

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: P935841

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

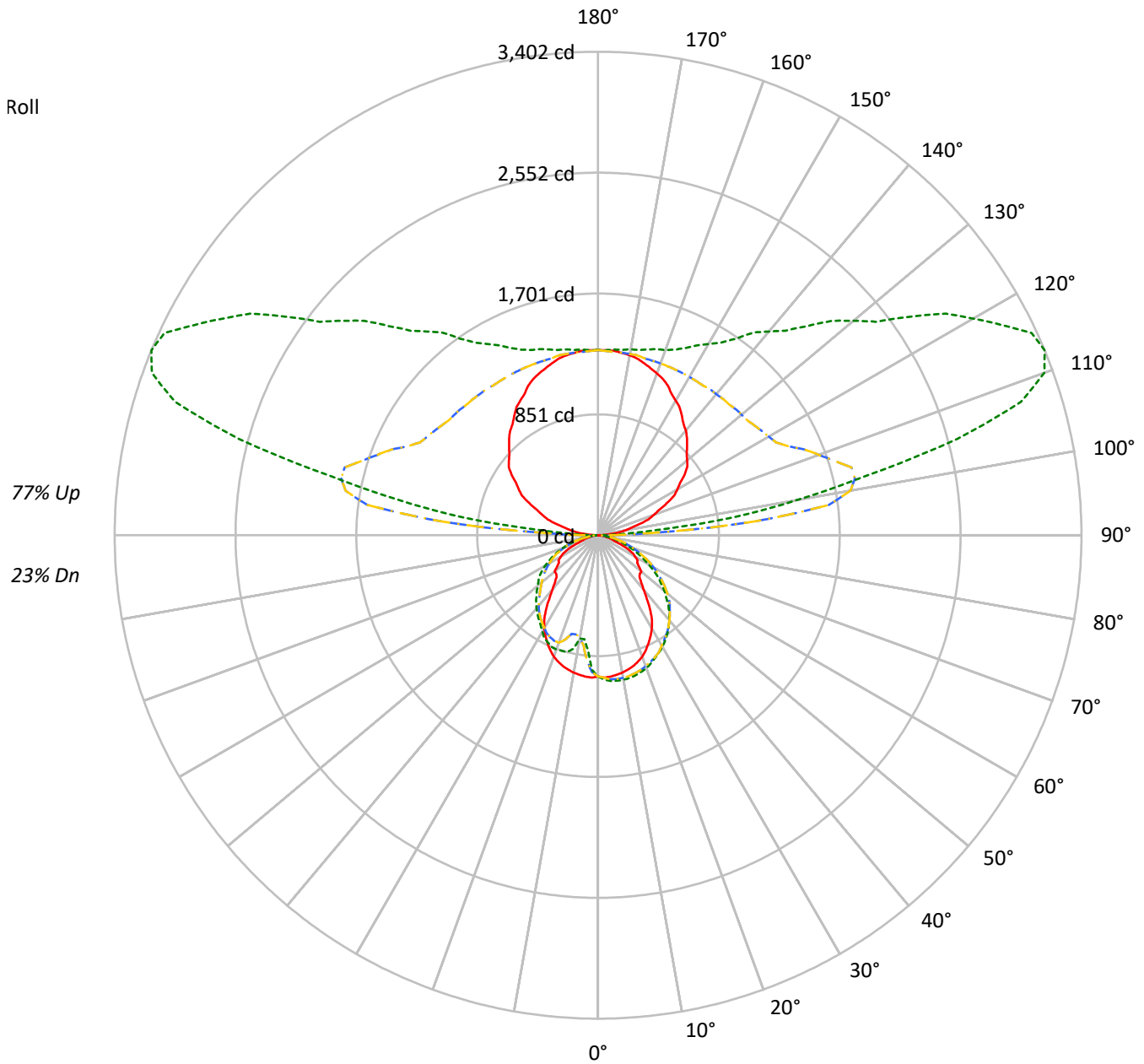
Test Method: LM-79-2019  
Report Number: P935841  
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11028.6 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 83.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935841  
CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K

### 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°	6148	6148	6148	6148
5°	6191	6206	6191	4880
10°	6148	6114	6148	4371
15°	6079	5981	6079	4994
20°	5950	5824	5950	5004
25°	5687	5596	5687	4899
30°	5349	5406	5349	4666
35°	4766	5165	4766	4410
40°	3969	4882	3969	4217
45°	3544	4550	3544	3994
50°	3762	4156	3762	3771
55°	3536	3730	3536	3642
60°	3641	3168	3641	3335
65°	3296	2620	3296	2928
70°	2276	2087	2276	2454
75°	1989	1543	1989	1848
80°	1592	1020	1592	1111
85°	894	540	894	460

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5435 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.7	0.8
10°-20°	254.7	2.3
20°-30°	393.8	3.6
30°-40°	470.1	4.3
40°-50°	472.8	4.3
50°-60°	411.4	3.7
60°-70°	291.7	2.6
70°-80°	154.3	1.4
80°-90°	43.4	0.4
90°-100°	635.1	5.8
100°-110°	1669.8	15.1
110°-120°	1731.4	15.7
120°-130°	1388.8	12.6
130°-140°	1089.7	9.9
140°-150°	836.4	7.6
150°-160°	602.3	5.5
160°-170°	368.5	3.3
170°-180°	124.5	1.1
0°-30°	738.2	6.7
0°-40°	1208.3	11.0
0°-60°	2092.5	19.0
0°-90°	2582.0	23.4
90°-120°	4036.3	36.6
90°-150°	7351.2	66.7
90°-180°	8447.0	76.6
0°-180°	11028.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	994	994	994	994	994	
5°	998	1030	998	810	998	95
15°	954	1020	954	852	954	268
25°	840	952	840	833	840	386
35°	638	849	638	725	638	395
45°	412	700	412	614	412	330
55°	336	516	336	504	336	308
65°	233	311	233	348	233	223
75°	88	148	88	177	88	93
85°	15	38	15	32	15	20
90°	9	33	9	33	9	8
95°	84	384	84	384	84	93
105°	301	2615	301	2615	301	319
115°	534	3367	534	3367	534	528
125°	743	2681	743	2681	743	660
135°	886	2080	886	2080	886	685
145°	1028	1688	1028	1688	1028	644
155°	1161	1453	1161	1453	1161	534
165°	1253	1354	1253	1354	1253	354
175°	1303	1312	1303	1312	1303	124
180°	1303	1303	1303	1303	1303	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1002.4	1002.4	1008.0	1009.9	1009.9	1007.1	1004.2	1007.1	1015.6	1018.4	1017.4
5°	998.5	1006.1	1016.5	1018.4	1020.2	1019.3	1017.4	1019.3	1028.6	1030.6	1031.5
7.5°	991.1	1005.2	1018.4	1021.2	1024.0	1021.2	1020.2	1022.1	1031.5	1033.4	1033.4
10°	981.6	1001.4	1016.5	1018.4	1021.2	1018.4	1018.4	1022.1	1031.5	1033.4	1034.3
12.5°	968.5	995.7	1009.9	1011.7	1015.6	1014.6	1013.6	1017.4	1026.8	1028.6	1028.6
15°	953.5	985.5	998.5	1000.5	1007.1	1005.2	1005.2	1008.9	1019.3	1022.1	1021.2
17.5°	932.7	972.3	987.3	990.1	994.8	993.9	994.8	998.5	1008.0	1009.9	1010.8
20°	909.3	954.4	972.3	975.1	979.8	979.8	979.8	984.5	993.9	997.6	997.6
22.5°	877.3	935.5	954.4	956.3	961.9	961.9	963.8	970.4	978.8	979.8	979.8
25°	839.6	914.9	930.9	936.6	942.2	945.0	947.8	951.6	954.4	953.5	954.4
27.5°	800.2	888.5	909.3	913.0	920.6	923.4	927.1	928.1	929.0	931.8	929.9
30°	756.0	851.9	882.9	886.7	898.9	900.8	897.0	898.9	903.6	905.5	907.4
32.5°	706.2	797.4	855.6	864.1	875.4	869.7	868.8	871.6	879.2	879.2	881.1
35°	638.5	755.1	830.3	837.8	846.3	839.6	843.5	844.4	849.1	851.9	851.0
37.5°	564.2	718.4	803.9	809.5	816.2	807.7	813.4	816.2	819.9	818.1	818.1
40°	498.4	661.0	772.9	776.6	782.3	775.7	781.4	783.3	785.2	783.3	782.3
42.5°	449.5	598.0	740.0	744.7	740.9	745.6	747.6	751.3	748.5	744.7	744.7
45°	411.8	581.1	704.3	709.9	704.3	711.8	714.6	714.6	706.2	704.3	703.4
47.5°	399.6	547.3	668.6	668.6	665.7	675.1	679.8	673.3	664.8	662.0	662.0
50°	398.7	509.6	619.6	615.9	629.1	640.4	635.6	629.1	622.5	612.1	612.1
52.5°	362.0	463.5	556.6	570.7	591.5	598.0	590.5	583.9	572.6	567.9	564.2
55°	335.7	415.6	499.3	527.5	549.1	557.6	543.5	536.9	520.0	517.2	515.3
57.5°	330.0	346.0	446.6	482.4	508.7	507.7	499.3	487.1	473.0	470.2	469.2
60°	302.8	250.1	390.2	432.6	459.8	457.0	449.5	438.2	425.0	423.1	421.3
62.5°	274.5	181.5	326.3	374.3	412.8	411.8	405.3	388.4	378.9	374.3	370.5
65°	233.2	152.4	232.3	311.3	366.7	368.6	354.5	342.3	331.9	326.3	325.4
67.5°	177.7	124.1	157.0	259.6	322.6	320.6	302.8	297.1	284.0	281.2	275.6
70°	131.6	82.7	109.1	210.6	279.3	274.5	260.5	253.9	241.6	235.1	231.3
72.5°	109.1	66.7	79.9	163.6	235.1	229.5	217.2	209.7	199.4	193.7	189.9
75°	88.4	70.5	61.1	121.3	190.9	187.1	175.8	168.3	159.8	152.4	153.3
77.5°	64.9	65.8	48.9	89.4	151.4	145.7	139.2	129.7	126.0	118.5	118.5
80°	48.9	51.7	36.6	61.1	109.1	109.1	103.5	96.8	90.3	86.6	86.6
82.5°	32.9	32.9	27.3	38.5	74.3	71.5	67.7	65.8	62.1	60.2	60.2
85°	15.0	18.8	16.9	23.5	40.5	42.3	42.3	40.5	39.5	37.6	38.5
87.5°	4.7	8.5	10.4	13.2	20.7	21.6	22.5	22.5	22.5	23.5	23.5
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3	33.3	33.3
92.5°	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5	166.2	159.6
95°	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7	564.0	544.0
97.5°	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7	1302.1	1264.0
100°	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4	1828.6	1783.2
102.5°	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7	2278.0	2239.1
105°	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8	2802.7	2781.8
107.5°	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7	3075.6	3080.6
110°	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2	3145.5	3167.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9	3100.9	3134.3
115°	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3	2949.6	2995.9
117.5°	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1	2740.6	2792.0
120°	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5	2599.8	2649.7
122.5°	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0	2459.0	2508.3
125°	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4	2272.7	2318.1
127.5°	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6	2123.2	2161.5
130°	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4	2028.8	2064.1
132.5°	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7	1948.3	1980.0
135°	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4	1834.6	1861.9
137.5°	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9	1750.7	1773.0
140°	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9	1683.4	1704.2
142.5°	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4	1636.1	1654.1
145°	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3	1565.4	1578.9
147.5°	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6	1505.8	1517.1
150°	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9	1471.7	1480.9
152.5°	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9	1444.6	1451.5
155°	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3	1412.2	1416.8
157.5°	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7	1384.3	1387.5
160°	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3	1370.3	1372.1
162.5°	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5	1357.2	1359.0
165°	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2	1337.1	1339.0
167.5°	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3	1328.3	1329.1
170°	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3	1328.3	1328.3
172.5°	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6	1321.3	1320.6
175°	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2	1311.7	1311.7
177.5°	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6	1310.0	1309.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1019.3	1016.5	1019.3	1017.4	1018.4	1015.6	1007.1	1004.2	1007.1	1009.9	1009.9
5°	1031.5	1029.6	1031.5	1031.5	1030.6	1028.6	1019.3	1017.4	1019.3	1020.2	1018.4
7.5°	1035.3	1032.5	1035.3	1033.4	1033.4	1031.5	1022.1	1020.2	1021.2	1024.0	1021.2
10°	1035.3	1032.5	1035.3	1034.3	1033.4	1031.5	1022.1	1018.4	1018.4	1021.2	1018.4
12.5°	1030.6	1028.6	1030.6	1028.6	1028.6	1026.8	1017.4	1013.6	1014.6	1015.6	1011.7
15°	1023.0	1020.2	1023.0	1021.2	1022.1	1019.3	1008.9	1005.2	1005.2	1007.1	1000.5
17.5°	1011.7	1008.0	1011.7	1010.8	1009.9	1008.0	998.5	994.8	993.9	994.8	990.1
20°	998.5	995.7	998.5	997.6	997.6	993.9	984.5	979.8	979.8	979.8	975.1
22.5°	977.9	975.1	977.9	979.8	979.8	978.8	970.4	963.8	961.9	961.9	956.3
25°	954.4	951.6	954.4	954.4	953.5	954.4	951.6	947.8	945.0	942.2	936.6
27.5°	931.8	929.9	931.8	929.9	931.8	929.0	928.1	927.1	923.4	920.6	913.0
30°	909.3	907.4	909.3	907.4	905.5	903.6	898.9	897.0	900.8	898.9	886.7
32.5°	881.1	879.2	881.1	881.1	879.2	879.2	871.6	868.8	869.7	875.4	864.1
35°	851.9	849.1	851.9	851.0	851.9	849.1	844.4	843.5	839.6	846.3	837.8
37.5°	818.1	815.3	818.1	818.1	818.1	819.9	816.2	813.4	807.7	816.2	809.5
40°	783.3	779.5	783.3	782.3	783.3	785.2	783.3	781.4	775.7	782.3	776.6
42.5°	743.7	742.8	743.7	744.7	744.7	748.5	751.3	747.6	745.6	740.9	744.7
45°	701.5	699.5	701.5	703.4	704.3	706.2	714.6	714.6	711.8	704.3	709.9
47.5°	656.4	651.6	656.4	662.0	662.0	664.8	673.3	679.8	675.1	665.7	668.6
50°	608.4	609.3	608.4	612.1	612.1	622.5	629.1	635.6	640.4	629.1	615.9
52.5°	561.4	560.4	561.4	564.2	567.9	572.6	583.9	590.5	598.0	591.5	570.7
55°	514.4	516.2	514.4	515.3	517.2	520.0	536.9	543.5	557.6	549.1	527.5
57.5°	467.4	464.5	467.4	469.2	470.2	473.0	487.1	499.3	507.7	508.7	482.4
60°	412.8	409.0	412.8	421.3	423.1	425.0	438.2	449.5	457.0	459.8	432.6
62.5°	364.8	358.3	364.8	370.5	374.3	378.9	388.4	405.3	411.8	412.8	374.3
65°	314.1	311.3	314.1	325.4	326.3	331.9	342.3	354.5	368.6	366.7	311.3
67.5°	268.0	268.0	268.0	275.6	281.2	284.0	297.1	302.8	320.6	322.6	259.6
70°	225.6	224.7	225.6	231.3	235.1	241.6	253.9	260.5	274.5	279.3	210.6
72.5°	185.3	184.3	185.3	189.9	193.7	199.4	209.7	217.2	229.5	235.1	163.6
75°	149.6	147.6	149.6	153.3	152.4	159.8	168.3	175.8	187.1	190.9	121.3
77.5°	114.7	114.7	114.7	118.5	118.5	126.0	129.7	139.2	145.7	151.4	89.4
80°	85.5	84.6	85.5	86.6	86.6	90.3	96.8	103.5	109.1	109.1	61.1
82.5°	60.2	58.3	60.2	60.2	60.2	62.1	65.8	67.7	71.5	74.3	38.5
85°	37.6	37.6	37.6	38.5	37.6	39.5	40.5	42.3	42.3	40.5	23.5
87.5°	24.5	23.5	24.5	23.5	23.5	22.5	22.5	22.5	21.6	20.7	13.2
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1	38.5	24.5
92.5°	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6	237.3	168.8
95°	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0	583.9	328.8
97.5°	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5	786.5	361.2
100°	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5	860.2	388.3
102.5°	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2	894.0	415.4
105°	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0	919.1	455.6
107.5°	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6	923.7	515.0
110°	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9	916.8	548.3





TEST NUMBER: P935841

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0	917.0	588.5
115°	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3	925.5	648.9
117.5°	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3	942.7	707.5
120°	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5	956.7	741.6
122.5°	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8	976.8	781.8
125°	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3	1003.9	833.4
127.5°	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0	1031.0	883.2
130°	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1	1050.9	916.5
132.5°	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3	1066.9	943.6
135°	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1	1084.4	975.1
137.5°	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6	1110.6	1015.3
140°	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0	1126.6	1042.4
142.5°	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4	1140.1	1062.5
145°	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4	1157.5	1093.1
147.5°	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9	1183.2	1131.6
150°	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4	1196.5	1151.7
152.5°	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3	1205.3	1164.8
155°	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8	1224.6	1193.6
157.5°	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1	1243.8	1222.5
160°	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0	1252.5	1235.6
162.5°	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2	1261.9	1249.6
165°	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6	1275.2	1269.7
167.5°	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0	1285.8	1281.1
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9	1294.5	1294.2
172.5°	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9	1300.4	1303.0
177.5°	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2	1300.9	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935841

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1008.0	1002.4	1002.4	992.9	989.2	986.4	981.6	967.6	963.8	960.0	965.6
5°	1016.5	1006.1	998.5	981.6	967.6	961.9	944.1	910.2	887.6	870.7	861.3
7.5°	1018.4	1005.2	991.1	964.7	930.9	915.8	861.3	799.3	782.3	767.3	757.9
10°	1016.5	1001.4	981.6	942.2	862.3	835.9	781.4	740.9	730.6	727.8	730.6
12.5°	1009.9	995.7	968.5	902.6	790.8	772.9	740.9	717.5	715.5	720.3	745.6
15°	998.5	985.5	953.5	850.0	751.3	738.1	715.5	707.1	717.5	750.4	826.6
17.5°	987.3	972.3	932.7	798.3	721.2	711.8	695.8	712.7	771.0	815.3	840.6
20°	972.3	954.4	909.3	760.7	699.5	691.1	683.6	759.7	803.9	819.9	834.0
22.5°	954.4	935.5	877.3	734.4	677.0	670.5	675.1	786.1	803.9	815.3	827.5
25°	930.9	914.9	839.6	713.6	659.2	651.6	669.5	783.3	793.6	796.5	820.9
27.5°	909.3	888.5	800.2	694.9	637.6	634.7	674.2	771.0	778.6	781.4	807.7
30°	882.9	851.9	756.0	675.1	614.9	614.0	675.1	756.0	754.1	761.6	788.0
32.5°	855.6	797.4	706.2	650.6	593.4	592.4	668.6	733.5	731.6	741.9	761.6
35°	830.3	755.1	638.5	622.5	566.1	567.0	652.5	707.1	708.0	717.5	729.6
37.5°	803.9	718.4	564.2	591.5	539.7	539.7	630.9	682.6	680.7	683.6	700.6
40°	772.9	661.0	498.4	551.0	515.3	512.5	604.6	656.4	649.7	648.8	672.3
42.5°	740.0	598.0	449.5	497.5	487.1	483.3	572.6	624.4	612.1	614.9	645.0
45°	704.3	581.1	411.8	420.3	457.9	455.1	537.8	587.6	579.2	586.7	617.7
47.5°	668.6	547.3	399.6	348.8	426.9	425.9	499.3	551.9	547.3	554.7	587.6
50°	619.6	509.6	398.7	299.0	392.1	395.8	453.2	517.2	517.2	523.7	558.6
52.5°	556.6	463.5	362.0	270.8	351.6	362.9	412.8	487.1	488.9	495.6	526.5
55°	499.3	415.6	335.7	249.2	303.7	328.2	373.3	456.0	459.8	466.4	494.6
57.5°	446.6	346.0	330.0	223.8	259.6	283.0	338.6	425.9	427.8	433.5	460.7
60°	390.2	250.1	302.8	196.5	221.0	238.8	306.5	390.2	396.8	400.5	424.1
62.5°	326.3	181.5	274.5	177.7	202.2	205.9	280.2	356.4	364.8	367.6	381.7
65°	232.3	152.4	233.2	161.7	182.5	183.4	252.0	321.5	329.1	333.8	344.2
67.5°	157.0	124.1	177.7	146.7	167.4	168.3	224.7	281.2	291.5	295.3	301.8
70°	109.1	82.7	131.6	130.7	150.5	152.4	195.5	244.5	253.9	256.7	260.5
72.5°	79.9	66.7	109.1	117.5	132.5	134.5	165.5	203.1	212.6	215.4	217.2
75°	61.1	70.5	88.4	102.5	112.8	113.8	135.4	165.5	172.1	173.9	174.9
77.5°	48.9	65.8	64.9	82.7	92.2	90.3	106.3	127.9	133.5	133.5	133.5
80°	36.6	51.7	48.9	59.3	67.7	65.8	76.2	91.2	93.1	95.0	94.0
82.5°	27.3	32.9	32.9	37.6	45.1	43.3	50.8	59.3	59.3	59.3	61.1
85°	16.9	18.8	15.0	19.7	25.4	24.5	28.2	32.0	32.9	32.9	31.0
87.5°	10.4	8.5	4.7	7.5	11.3	11.3	13.2	14.1	13.2	13.2	13.2
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3
92.5°	153.9	94.4	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5
95°	301.6	192.7	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7
97.5°	337.1	241.2	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7
100°	366.5	279.5	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4
102.5°	395.1	313.9	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7
105°	438.4	369.6	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8
107.5°	499.0	434.9	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7
110°	533.8	476.0	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2



TEST NUMBER: P935841

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.7	519.5	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9
115°	636.2	585.2	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3
117.5°	695.9	649.6	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1
120°	730.8	687.2	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5
122.5°	770.9	726.9	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0
125°	823.4	783.3	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4
127.5°	873.1	832.6	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6
130°	905.6	862.1	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4
132.5°	932.7	889.2	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7
135°	965.2	925.5	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4
137.5°	1005.5	966.2	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9
140°	1033.3	997.2	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9
142.5°	1054.2	1020.7	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4
145°	1085.8	1056.7	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3
147.5°	1124.5	1096.1	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6
150°	1145.2	1119.6	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9
152.5°	1160.0	1140.5	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9
155°	1190.1	1175.7	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3
157.5°	1219.0	1205.0	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7
160°	1232.9	1222.0	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3
162.5°	1247.6	1239.4	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5
165°	1267.8	1260.5	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2
167.5°	1280.3	1276.7	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3
170°	1293.4	1289.8	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3
172.5°	1294.9	1294.1	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6
175°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2
177.5°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935841

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	959.1	956.3	960.0	949.7	960.0	956.3	959.1	965.6	960.0	963.8	967.6
5°	841.6	836.8	821.8	809.5	821.8	836.8	841.6	861.3	870.7	887.6	910.2
7.5°	752.3	748.5	744.7	737.2	744.7	748.5	752.3	757.9	767.3	782.3	799.3
10°	732.5	733.5	739.1	738.1	739.1	733.5	732.5	730.6	727.8	730.6	740.9
12.5°	783.3	791.7	822.7	820.9	822.7	791.7	783.3	745.6	720.3	715.5	717.5
15°	841.6	844.4	851.0	851.9	851.0	844.4	841.6	826.6	750.4	717.5	707.1
17.5°	847.2	848.2	852.8	852.8	852.8	848.2	847.2	840.6	815.3	771.0	712.7
20°	842.5	844.4	853.8	855.6	853.8	844.4	842.5	834.0	819.9	803.9	759.7
22.5°	840.6	844.4	851.9	851.0	851.9	844.4	840.6	827.5	815.3	803.9	786.1
25°	831.2	831.2	832.2	833.1	832.2	831.2	831.2	820.9	796.5	793.6	783.3
27.5°	811.5	813.4	819.0	818.1	819.0	813.4	811.5	807.7	781.4	778.6	771.0
30°	793.6	791.7	787.0	783.3	787.0	791.7	793.6	788.0	761.6	754.1	756.0
32.5°	763.6	758.8	754.1	751.3	754.1	758.8	763.6	761.6	741.9	731.6	733.5
35°	727.8	728.7	727.8	725.0	727.8	728.7	727.8	729.6	717.5	708.0	707.1
37.5°	702.4	704.3	703.4	699.5	703.4	704.3	702.4	700.6	683.6	680.7	682.6
40°	676.1	677.0	676.1	673.3	676.1	677.0	676.1	672.3	648.8	649.7	656.4
42.5°	650.6	649.7	646.9	645.0	646.9	649.7	650.6	645.0	614.9	612.1	624.4
45°	621.6	622.5	616.8	614.0	616.8	622.5	621.6	617.7	586.7	579.2	587.6
47.5°	592.4	592.4	587.6	584.8	587.6	592.4	592.4	587.6	554.7	547.3	551.9
50°	561.4	560.4	553.8	552.9	553.8	560.4	561.4	558.6	523.7	517.2	517.2
52.5°	525.6	525.6	526.5	528.5	526.5	525.6	525.6	526.5	495.6	488.9	487.1
55°	494.6	495.6	502.1	504.0	502.1	495.6	494.6	494.6	466.4	459.8	456.0
57.5°	462.6	462.6	467.4	467.4	467.4	462.6	462.6	460.7	433.5	427.8	425.9
60°	425.9	427.8	431.6	430.6	431.6	427.8	425.9	424.1	400.5	396.8	390.2
62.5°	387.4	389.3	390.2	388.4	390.2	389.3	387.4	381.7	367.6	364.8	356.4
65°	347.0	348.8	349.8	347.9	349.8	348.8	347.0	344.2	333.8	329.1	321.5
67.5°	305.6	304.6	303.7	307.5	303.7	304.6	305.6	301.8	295.3	291.5	281.2
70°	263.3	263.3	262.4	264.2	262.4	263.3	263.3	260.5	256.7	253.9	244.5
72.5°	218.2	217.2	221.0	218.2	221.0	217.2	218.2	217.2	215.4	212.6	203.1
75°	173.9	175.8	173.9	176.8	173.9	175.8	173.9	174.9	173.9	172.1	165.5
77.5°	132.5	134.5	132.5	132.5	132.5	134.5	132.5	133.5	133.5	133.5	127.9
80°	94.0	93.1	93.1	92.2	93.1	93.1	94.0	94.0	95.0	93.1	91.2
82.5°	60.2	59.3	59.3	61.1	59.3	59.3	60.2	61.1	59.3	59.3	59.3
85°	32.9	33.8	32.0	32.0	32.0	33.8	32.9	31.0	32.9	32.9	32.0
87.5°	12.2	11.3	11.3	11.3	11.3	11.3	12.2	13.2	13.2	13.2	14.1
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1
92.5°	166.2	159.6	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6
95°	564.0	544.0	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0
97.5°	1302.1	1264.0	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5
100°	1828.6	1783.2	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5
102.5°	2278.0	2239.1	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2
105°	2802.7	2781.8	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0
107.5°	3075.6	3080.6	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6
110°	3145.5	3167.3	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3100.9	3134.3	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0
115°	2949.6	2995.9	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3
117.5°	2740.6	2792.0	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3
120°	2599.8	2649.7	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5
122.5°	2459.0	2508.3	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8
125°	2272.7	2318.1	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3
127.5°	2123.2	2161.5	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0
130°	2028.8	2064.1	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1
132.5°	1948.3	1980.0	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3
135°	1834.6	1861.9	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1
137.5°	1750.7	1773.0	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6
140°	1683.4	1704.2	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0
142.5°	1636.1	1654.1	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4
145°	1565.4	1578.9	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4
147.5°	1505.8	1517.1	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9
150°	1471.7	1480.9	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4
152.5°	1444.6	1451.5	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3
155°	1412.2	1416.8	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8
157.5°	1384.3	1387.5	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1
160°	1370.3	1372.1	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0
162.5°	1357.2	1359.0	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2
165°	1337.1	1339.0	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6
167.5°	1328.3	1329.1	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9
172.5°	1321.3	1320.6	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9
177.5°	1310.0	1309.2	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	993.9	993.9	993.9	993.9	993.9
2.5°	981.6	986.4	989.2	992.9	1002.4
5°	944.1	961.9	967.6	981.6	998.5
7.5°	861.3	915.8	930.9	964.7	991.1
10°	781.4	835.9	862.3	942.2	981.6
12.5°	740.9	772.9	790.8	902.6	968.5
15°	715.5	738.1	751.3	850.0	953.5
17.5°	695.8	711.8	721.2	798.3	932.7
20°	683.6	691.1	699.5	760.7	909.3
22.5°	675.1	670.5	677.0	734.4	877.3
25°	669.5	651.6	659.2	713.6	839.6
27.5°	674.2	634.7	637.6	694.9	800.2
30°	675.1	614.0	614.9	675.1	756.0
32.5°	668.6	592.4	593.4	650.6	706.2
35°	652.5	567.0	566.1	622.5	638.5
37.5°	630.9	539.7	539.7	591.5	564.2
40°	604.6	512.5	515.3	551.0	498.4
42.5°	572.6	483.3	487.1	497.5	449.5
45°	537.8	455.1	457.9	420.3	411.8
47.5°	499.3	425.9	426.9	348.8	399.6
50°	453.2	395.8	392.1	299.0	398.7
52.5°	412.8	362.9	351.6	270.8	362.0
55°	373.3	328.2	303.7	249.2	335.7
57.5°	338.6	283.0	259.6	223.8	330.0
60°	306.5	238.8	221.0	196.5	302.8
62.5°	280.2	205.9	202.2	177.7	274.5
65°	252.0	183.4	182.5	161.7	233.2
67.5°	224.7	168.3	167.4	146.7	177.7
70°	195.5	152.4	150.5	130.7	131.6
72.5°	165.5	134.5	132.5	117.5	109.1
75°	135.4	113.8	112.8	102.5	88.4
77.5°	106.3	90.3	92.2	82.7	64.9
80°	76.2	65.8	67.7	59.3	48.9
82.5°	50.8	43.3	45.1	37.6	32.9
85°	28.2	24.5	25.4	19.7	15.0
87.5°	13.2	11.3	11.3	7.5	4.7
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.3	168.8	153.9	94.4	35.0
95°	583.9	328.8	301.6	192.7	83.9
97.5°	786.5	361.2	337.1	241.2	145.2
100°	860.2	388.3	366.5	279.5	192.4
102.5°	894.0	415.4	395.1	313.9	232.6
105°	919.1	455.6	438.4	369.6	300.8
107.5°	923.7	515.0	499.0	434.9	370.8
110°	916.8	548.3	533.8	476.0	418.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	917.0	588.5	574.7	519.5	464.4
115°	925.5	648.9	636.2	585.2	534.3
117.5°	942.7	707.5	695.9	649.6	603.4
120°	956.7	741.6	730.8	687.2	643.6
122.5°	976.8	781.8	770.9	726.9	683.0
125°	1003.9	833.4	823.4	783.3	743.3
127.5°	1031.0	883.2	873.1	832.6	792.3
130°	1050.9	916.5	905.6	862.1	818.5
132.5°	1066.9	943.6	932.7	889.2	845.6
135°	1084.4	975.1	965.2	925.5	885.8
137.5°	1110.6	1015.3	1005.5	966.2	926.9
140°	1126.6	1042.4	1033.3	997.2	961.1
142.5°	1140.1	1062.5	1054.2	1020.7	987.2
145°	1157.5	1093.1	1085.8	1056.7	1027.5
147.5°	1183.2	1131.6	1124.5	1096.1	1067.7
150°	1196.5	1151.7	1145.2	1119.6	1094.0
152.5°	1205.3	1164.8	1160.0	1140.5	1121.1
155°	1224.6	1193.6	1190.1	1175.7	1161.3
157.5°	1243.8	1222.5	1219.0	1205.0	1191.0
160°	1252.5	1235.6	1232.9	1222.0	1211.2
162.5°	1261.9	1249.6	1247.6	1239.4	1231.3
165°	1275.2	1269.7	1267.8	1260.5	1253.2
167.5°	1285.8	1281.1	1280.3	1276.7	1273.3
170°	1294.5	1294.2	1293.4	1289.8	1286.3
172.5°	1295.1	1295.1	1294.9	1294.1	1293.4
175°	1300.4	1303.0	1303.0	1303.0	1303.0
177.5°	1300.9	1303.0	1303.0	1303.0	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935841  
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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	7.90	8.57	9.06	9.71	11.32	10.73	11.39	11.88	12.53	14.14
	3H	8.36	8.96	9.53	10.11	11.73	12.06	12.65	13.22	13.80	15.42
	4H	8.55	9.11	9.72	10.26	11.89	12.49	13.05	13.66	14.21	15.83
	6H	8.65	9.17	9.83	10.33	11.96	12.76	13.28	13.94	14.44	16.07
	8H	8.65	9.14	9.83	10.31	11.94	12.83	13.32	14.01	14.49	16.12
	12H	8.61	9.08	9.80	10.25	11.90	12.86	13.33	14.05	14.49	16.14
4H	2H	8.91	9.47	10.09	10.63	12.25	11.11	11.68	12.29	12.83	14.45
	3H	9.92	10.39	11.10	11.57	13.20	12.60	13.07	13.78	14.24	15.88
	4H	10.19	10.62	11.37	11.78	13.44	13.12	13.55	14.30	14.71	16.37
	6H	10.30	10.67	11.49	11.86	13.50	13.47	13.84	14.66	15.03	16.67
	8H	10.30	10.65	11.49	11.83	13.49	13.57	13.92	14.76	15.09	16.76
	12H	10.26	10.57	11.46	11.76	13.43	13.62	13.93	14.82	15.12	16.79
8H	4H	10.62	10.97	11.81	12.15	13.81	13.22	13.57	14.41	14.75	16.41
	6H	10.88	11.16	12.08	12.38	14.04	13.65	13.94	14.86	15.16	16.82
	8H	10.92	11.16	12.13	12.36	14.04	13.80	14.05	15.01	15.25	16.93
	12H	10.89	11.11	12.11	12.30	14.02	13.89	14.11	15.11	15.30	17.01
12H	4H	10.62	10.93	11.82	12.12	13.79	13.18	13.49	14.38	14.68	16.35
	6H	10.93	11.18	12.15	12.38	14.06	13.65	13.90	14.86	15.09	16.77
	8H	10.99	11.21	12.21	12.41	14.12	13.80	14.02	15.02	15.21	16.92