

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: P934927

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

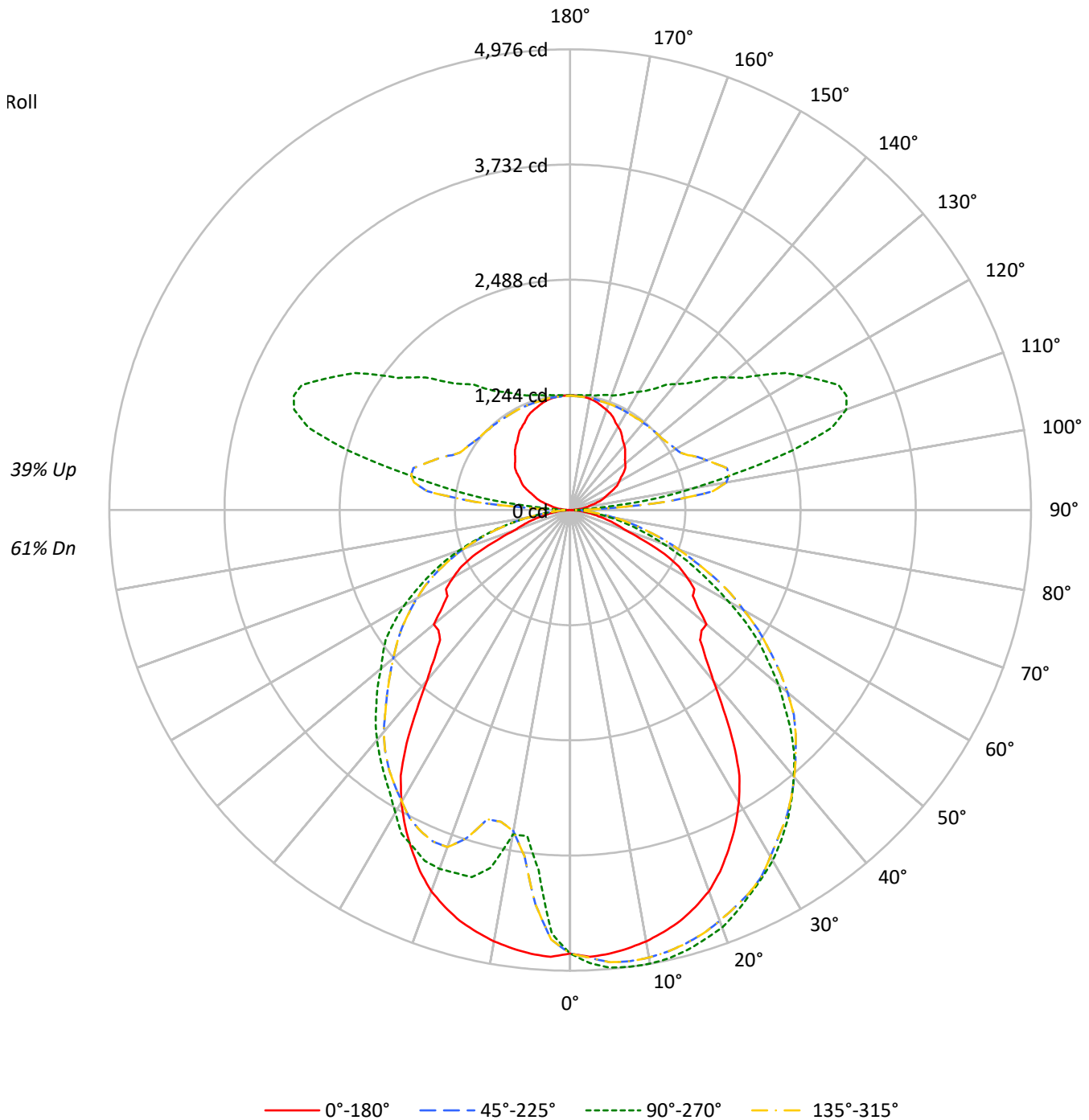
Test Method: LM-79-2019  
Report Number: P934927  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20441.9 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 186  
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-075U-125D-92765-1D-UNV-STD-W-12-3500K

### Luminous Intensity Polar Plot





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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

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

	0°	90°	180°	270°
0°	14815	14815	14815	14815
5°	14931	14955	14931	11759
10°	14837	14732	14837	10532
15°	14681	14412	14681	12035
20°	14380	14034	14380	12060
25°	13757	13483	13757	11804
30°	12950	13025	12950	11243
35°	11551	12446	11551	10627
40°	9630	11764	9630	10161
45°	8610	10966	8610	9625
50°	9155	10014	9155	9087
55°	8621	8989	8621	8776
60°	8898	7634	8898	8038
65°	8081	6311	8081	7054
70°	5609	5029	5609	5913
75°	4937	3718	4937	4452
80°	4009	2458	4009	2676
85°	2349	1302	2349	1107

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13188 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.4	2.1
10°-20°	1227.6	6.0
20°-30°	1897.6	9.3
30°-40°	2265.4	11.1
40°-50°	2278.7	11.1
50°-60°	1982.7	9.7
60°-70°	1405.8	6.9
70°-80°	743.7	3.6
80°-90°	190.0	0.9
90°-100°	602.9	2.9
100°-110°	1585.1	7.8
110°-120°	1643.6	8.0
120°-130°	1318.4	6.4
130°-140°	1034.4	5.1
140°-150°	794.0	3.9
150°-160°	571.8	2.8
160°-170°	349.9	1.7
170°-180°	118.2	0.6
0°-30°	3557.6	17.4
0°-40°	5822.9	28.5
0°-60°	10084.3	49.3
0°-90°	12423.7	60.8
90°-120°	3831.6	18.7
90°-150°	6978.3	34.1
90°-180°	8018.0	39.2
0°-180°	20441.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4790	4790	4790	4790	4790	
5°	4812	4962	4812	3902	4812	457
15°	4595	4917	4595	4106	4595	1293
25°	4047	4586	4047	4015	4047	1858
35°	3077	4092	3077	3494	3077	1904
45°	1985	3371	1985	2959	1985	1590
55°	1618	2488	1618	2429	1618	1487
65°	1124	1500	1124	1677	1124	1074
75°	426	711	426	852	426	448
85°	72	181	72	154	72	98
90°	8	32	8	32	8	10
95°	80	364	80	364	80	88
105°	286	2482	286	2482	286	303
115°	507	3196	507	3196	507	501
125°	706	2545	706	2545	706	626
135°	841	1975	841	1975	841	651
145°	975	1602	975	1602	975	611
155°	1102	1380	1102	1380	1102	507
165°	1190	1285	1190	1285	1190	336
175°	1237	1245	1237	1245	1237	117
180°	1237	1237	1237	1237	1237	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4830.6	4830.6	4857.7	4866.8	4866.8	4853.2	4839.6	4853.2	4894.0	4907.6	4903.1
5°	4812.4	4848.7	4898.5	4907.6	4916.6	4912.1	4903.1	4912.1	4957.4	4966.5	4971.0
7.5°	4776.1	4844.2	4907.6	4921.2	4934.8	4921.2	4916.6	4925.7	4971.0	4980.1	4980.1
10°	4730.9	4826.0	4898.5	4907.6	4921.2	4907.6	4907.6	4925.7	4971.0	4980.1	4984.7
12.5°	4667.4	4798.8	4866.8	4875.8	4894.0	4889.4	4885.0	4903.1	4948.3	4957.4	4957.4
15°	4594.9	4749.0	4812.4	4821.5	4853.2	4844.2	4844.2	4862.3	4912.1	4925.7	4921.2
17.5°	4495.2	4685.5	4758.0	4771.7	4794.3	4789.8	4794.3	4812.4	4857.7	4866.8	4871.3
20°	4382.0	4599.4	4685.5	4699.1	4721.8	4721.8	4721.8	4744.5	4789.8	4807.9	4807.9
22.5°	4227.9	4508.8	4599.4	4608.5	4635.7	4635.7	4644.7	4676.4	4717.2	4721.8	4721.8
25°	4046.6	4409.1	4486.1	4513.4	4540.6	4554.1	4567.7	4585.8	4599.4	4594.9	4599.4
27.5°	3856.3	4282.3	4382.0	4400.1	4436.3	4449.9	4468.0	4472.6	4477.1	4490.7	4481.7
30°	3643.3	4105.5	4255.0	4273.2	4332.1	4341.2	4323.0	4332.1	4354.7	4363.8	4372.9
32.5°	3403.1	3842.7	4123.6	4164.4	4218.8	4191.7	4187.1	4200.7	4236.9	4236.9	4246.0
35°	3076.9	3638.8	4001.3	4037.5	4078.3	4046.6	4064.7	4069.3	4091.9	4105.5	4101.0
37.5°	2718.9	3462.0	3874.4	3901.6	3933.3	3892.5	3919.8	3933.3	3951.5	3942.3	3942.3
40°	2401.7	3185.6	3724.9	3743.0	3770.2	3738.5	3765.7	3774.7	3783.8	3774.7	3770.2
42.5°	2166.0	2882.0	3566.3	3589.0	3570.8	3593.4	3602.5	3620.6	3607.1	3589.0	3589.0
45°	1984.7	2800.4	3394.1	3421.2	3394.1	3430.3	3443.9	3443.9	3403.1	3394.1	3389.5
47.5°	1925.9	2637.3	3221.9	3221.9	3208.3	3253.6	3276.3	3244.5	3203.8	3190.1	3190.1
50°	1921.4	2456.0	2986.3	2968.1	3031.5	3086.0	3063.3	3031.5	2999.8	2950.0	2950.0
52.5°	1744.6	2234.0	2682.6	2750.6	2850.3	2882.0	2845.8	2814.1	2759.6	2737.0	2718.9
55°	1617.7	2003.0	2406.2	2542.2	2646.4	2687.1	2619.2	2587.4	2505.9	2492.3	2483.3
57.5°	1590.6	1667.6	2152.5	2324.7	2451.5	2447.0	2406.2	2347.3	2279.3	2265.7	2261.2
60°	1459.2	1205.4	1880.6	2084.4	2215.9	2202.3	2166.0	2111.7	2048.2	2039.2	2030.1
62.5°	1323.2	874.6	1572.4	1803.5	1989.3	1984.7	1953.1	1871.5	1826.2	1803.5	1785.4
65°	1123.8	734.1	1119.3	1500.0	1767.3	1776.3	1708.4	1649.5	1599.6	1572.4	1567.9
67.5°	856.5	598.1	756.8	1250.6	1554.3	1545.2	1459.2	1431.9	1368.5	1354.9	1327.7
70°	634.4	398.7	525.7	1015.1	1345.8	1323.2	1255.2	1223.5	1164.6	1132.8	1114.7
72.5°	525.7	321.7	385.2	788.5	1132.8	1105.7	1046.8	1010.5	960.6	933.5	915.4
75°	426.0	339.8	294.6	584.6	919.8	901.7	847.4	811.1	770.3	734.1	738.6
77.5°	312.7	317.2	235.7	430.5	729.5	702.4	670.6	625.4	607.2	571.0	571.0
80°	235.7	249.2	176.7	294.6	525.7	525.7	498.4	466.8	435.1	416.9	416.9
82.5°	158.6	158.6	131.4	185.8	358.0	344.4	326.3	317.2	299.1	290.0	290.0
85°	72.5	90.6	81.6	113.3	194.9	203.9	203.9	194.9	190.3	181.3	185.8
87.5°	22.7	40.8	49.8	63.5	99.7	104.3	108.7	108.7	108.7	113.3	113.3
90°	8.3	14.9	21.5	23.2	36.5	54.3	63.1	56.1	42.0	31.5	31.5
92.5°	33.2	89.6	146.1	160.2	225.2	311.9	355.3	311.3	223.6	157.7	151.5
95°	79.7	183.0	286.4	312.1	554.2	877.1	1038.5	926.7	703.1	535.4	516.4
97.5°	137.8	229.0	320.1	342.9	746.6	1284.8	1554.0	1483.3	1342.0	1236.0	1199.9
100°	182.6	265.3	347.9	368.6	816.6	1413.8	1712.5	1717.7	1728.0	1735.8	1692.7
102.5°	220.8	298.0	375.0	394.3	848.6	1454.4	1757.4	1847.4	2027.4	2162.5	2125.6
105°	285.5	350.9	416.1	432.5	872.4	1459.1	1752.4	1954.2	2357.9	2660.5	2640.7
107.5°	352.0	412.8	473.7	489.0	876.9	1394.2	1652.8	1934.3	2497.3	2919.5	2924.3
110°	396.8	451.8	506.7	520.5	870.2	1336.6	1569.8	1884.5	2513.9	2985.9	3006.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	440.8	493.2	545.6	558.7	870.6	1286.4	1494.2	1816.3	2460.5	2943.6	2975.3
115°	507.2	555.5	603.9	615.9	878.5	1228.7	1403.7	1714.0	2334.6	2800.0	2844.0
117.5°	572.8	616.7	660.5	671.5	894.9	1192.5	1341.4	1621.4	2181.5	2601.5	2650.4
120°	611.0	652.3	693.6	703.9	908.2	1180.4	1316.5	1572.4	2084.1	2467.9	2515.3
122.5°	648.3	690.0	731.7	742.1	927.3	1174.1	1297.4	1527.8	1988.7	2334.3	2381.1
125°	705.6	743.6	781.7	791.1	953.0	1168.8	1276.7	1472.5	1863.9	2157.5	2200.6
127.5°	752.1	790.5	828.9	838.4	978.8	1165.8	1259.3	1427.4	1763.5	2015.5	2051.9
130°	777.0	818.4	859.6	869.9	997.5	1167.5	1252.6	1402.2	1701.4	1925.8	1959.4
132.5°	802.7	844.1	885.3	895.7	1012.7	1168.8	1246.8	1380.7	1648.6	1849.5	1879.6
135°	840.9	878.5	916.2	925.6	1029.4	1167.7	1236.9	1349.0	1573.3	1741.6	1767.5
137.5°	879.9	917.2	954.5	963.8	1054.3	1174.9	1235.2	1330.0	1519.7	1661.9	1683.1
140°	912.3	946.5	980.9	989.5	1069.4	1176.1	1229.4	1311.3	1475.1	1598.0	1617.8
142.5°	937.2	968.9	1000.6	1008.6	1082.2	1180.3	1229.4	1301.4	1445.2	1553.2	1570.2
145°	975.4	1003.0	1030.7	1037.7	1098.8	1180.3	1221.1	1279.9	1397.7	1485.9	1498.9
147.5°	1013.6	1040.5	1067.5	1074.2	1123.2	1188.4	1221.1	1267.4	1360.0	1429.4	1440.2
150°	1038.5	1062.8	1087.2	1093.3	1135.9	1192.7	1221.1	1260.2	1338.4	1397.0	1405.7
152.5°	1064.2	1082.7	1101.0	1105.7	1144.2	1195.5	1221.1	1254.5	1321.3	1371.3	1377.8
155°	1102.4	1116.0	1129.7	1133.1	1162.5	1201.6	1221.1	1247.7	1300.8	1340.6	1345.0
157.5°	1130.6	1143.9	1157.2	1160.5	1180.7	1207.6	1221.1	1241.7	1283.1	1314.0	1317.1
160°	1149.7	1160.0	1170.4	1173.0	1189.1	1210.4	1221.1	1238.8	1274.2	1300.8	1302.6
162.5°	1168.8	1176.6	1184.2	1186.2	1197.8	1213.3	1221.1	1236.0	1265.9	1288.3	1290.0
165°	1189.6	1196.6	1203.5	1205.3	1210.6	1217.6	1221.1	1231.8	1253.1	1269.2	1271.0
167.5°	1208.6	1211.9	1215.3	1216.1	1220.6	1226.5	1229.4	1236.4	1250.4	1260.9	1261.6
170°	1221.1	1224.4	1227.8	1228.6	1228.9	1229.2	1229.4	1236.4	1250.4	1260.9	1260.9
172.5°	1227.7	1228.4	1229.2	1229.4	1229.4	1229.4	1229.4	1234.9	1246.0	1254.3	1253.7
175°	1236.9	1236.9	1236.9	1236.9	1234.4	1231.1	1229.4	1232.9	1239.9	1245.2	1245.2
177.5°	1236.9	1236.9	1236.9	1236.9	1234.9	1232.4	1231.1	1233.9	1239.4	1243.5	1242.8
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4912.1	4898.5	4912.1	4903.1	4907.6	4894.0	4853.2	4839.6	4853.2	4866.8	4866.8
5°	4971.0	4962.0	4971.0	4971.0	4966.5	4957.4	4912.1	4903.1	4912.1	4916.6	4907.6
7.5°	4989.1	4975.6	4989.1	4980.1	4980.1	4971.0	4925.7	4916.6	4921.2	4934.8	4921.2
10°	4989.1	4975.6	4989.1	4984.7	4980.1	4971.0	4925.7	4907.6	4907.6	4921.2	4907.6
12.5°	4966.5	4957.4	4966.5	4957.4	4957.4	4948.3	4903.1	4885.0	4889.4	4894.0	4875.8
15°	4930.2	4916.6	4930.2	4921.2	4925.7	4912.1	4862.3	4844.2	4844.2	4853.2	4821.5
17.5°	4875.8	4857.7	4875.8	4871.3	4866.8	4857.7	4812.4	4794.3	4789.8	4794.3	4771.7
20°	4812.4	4798.8	4812.4	4807.9	4807.9	4789.8	4744.5	4721.8	4721.8	4721.8	4699.1
22.5°	4712.8	4699.1	4712.8	4721.8	4721.8	4717.2	4676.4	4644.7	4635.7	4635.7	4608.5
25°	4599.4	4585.8	4599.4	4599.4	4594.9	4599.4	4585.8	4567.7	4554.1	4540.6	4513.4
27.5°	4490.7	4481.7	4490.7	4481.7	4490.7	4477.1	4472.6	4468.0	4449.9	4436.3	4400.1
30°	4382.0	4372.9	4382.0	4372.9	4363.8	4354.7	4332.1	4323.0	4341.2	4332.1	4273.2
32.5°	4246.0	4236.9	4246.0	4246.0	4236.9	4236.9	4200.7	4187.1	4191.7	4218.8	4164.4
35°	4105.5	4091.9	4105.5	4101.0	4105.5	4091.9	4069.3	4064.7	4046.6	4078.3	4037.5
37.5°	3942.3	3928.8	3942.3	3942.3	3942.3	3951.5	3933.3	3919.8	3892.5	3933.3	3901.6
40°	3774.7	3756.6	3774.7	3770.2	3774.7	3783.8	3774.7	3765.7	3738.5	3770.2	3743.0
42.5°	3584.4	3579.9	3584.4	3589.0	3589.0	3607.1	3620.6	3602.5	3593.4	3570.8	3589.0
45°	3380.4	3371.4	3380.4	3389.5	3394.1	3403.1	3443.9	3443.9	3430.3	3394.1	3421.2
47.5°	3163.0	3140.3	3163.0	3190.1	3190.1	3203.8	3244.5	3276.3	3253.6	3208.3	3221.9
50°	2931.9	2936.4	2931.9	2950.0	2950.0	2999.8	3031.5	3063.3	3086.0	3031.5	2968.1
52.5°	2705.3	2700.8	2705.3	2718.9	2737.0	2759.6	2814.1	2845.8	2882.0	2850.3	2750.6
55°	2478.7	2487.8	2478.7	2483.3	2492.3	2505.9	2587.4	2619.2	2687.1	2646.4	2542.2
57.5°	2252.2	2238.5	2252.2	2261.2	2265.7	2279.3	2347.3	2406.2	2447.0	2451.5	2324.7
60°	1989.3	1971.2	1989.3	2030.1	2039.2	2048.2	2111.7	2166.0	2202.3	2215.9	2084.4
62.5°	1758.2	1726.5	1758.2	1785.4	1803.5	1826.2	1871.5	1953.1	1984.7	1989.3	1803.5
65°	1513.5	1500.0	1513.5	1567.9	1572.4	1599.6	1649.5	1708.4	1776.3	1767.3	1500.0
67.5°	1291.4	1291.4	1291.4	1327.7	1354.9	1368.5	1431.9	1459.2	1545.2	1554.3	1250.6
70°	1087.6	1083.0	1087.6	1114.7	1132.8	1164.6	1223.5	1255.2	1323.2	1345.8	1015.1
72.5°	892.7	888.2	892.7	915.4	933.5	960.6	1010.5	1046.8	1105.7	1132.8	788.5
75°	720.5	711.4	720.5	738.6	734.1	770.3	811.1	847.4	901.7	919.8	584.6
77.5°	552.8	552.8	552.8	571.0	571.0	607.2	625.4	670.6	702.4	729.5	430.5
80°	412.4	407.8	412.4	416.9	416.9	435.1	466.8	498.4	525.7	525.7	294.6
82.5°	290.0	280.9	290.0	290.0	290.0	299.1	317.2	326.3	344.4	358.0	185.8
85°	181.3	181.3	181.3	185.8	181.3	190.3	194.9	203.9	203.9	194.9	113.3
87.5°	117.8	113.3	117.8	113.3	113.3	108.7	108.7	108.7	104.3	99.7	63.5
90°	31.5	31.5	31.5	31.5	31.5	42.0	56.1	63.1	54.3	36.5	23.2
92.5°	126.4	101.3	126.4	151.5	157.7	223.6	311.3	355.3	311.9	225.2	160.2
95°	440.4	364.5	440.4	516.4	535.4	703.1	926.7	1038.5	877.1	554.2	312.1
97.5°	1055.3	910.7	1055.3	1199.9	1236.0	1342.0	1483.3	1554.0	1284.8	746.6	342.9
100°	1520.4	1348.1	1520.4	1692.7	1735.8	1728.0	1717.7	1712.5	1413.8	816.6	368.6
102.5°	1978.0	1830.4	1978.0	2125.6	2162.5	2027.4	1847.4	1757.4	1454.4	848.6	394.3
105°	2561.4	2482.0	2561.4	2640.7	2660.5	2357.9	1954.2	1752.4	1459.1	872.4	432.5
107.5°	2943.5	2962.7	2943.5	2924.3	2919.5	2497.3	1934.3	1652.8	1394.2	876.9	489.0
110°	3089.2	3171.8	3089.2	3006.5	2985.9	2513.9	1884.5	1569.8	1336.6	870.2	520.5





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3102.2	3229.1	3102.2	2975.3	2943.6	2460.5	1816.3	1494.2	1286.4	870.6	558.7
115°	3019.9	3195.9	3019.9	2844.0	2800.0	2334.6	1714.0	1403.7	1228.7	878.5	615.9
117.5°	2845.5	3040.7	2845.5	2650.4	2601.5	2181.5	1621.4	1341.4	1192.5	894.9	671.5
120°	2705.0	2894.6	2705.0	2515.3	2467.9	2084.1	1572.4	1316.5	1180.4	908.2	703.9
122.5°	2568.1	2755.2	2568.1	2381.1	2334.3	1988.7	1527.8	1297.4	1174.1	927.3	742.1
125°	2372.9	2545.1	2372.9	2200.6	2157.5	1863.9	1472.5	1276.7	1168.8	953.0	791.1
127.5°	2197.3	2342.6	2197.3	2051.9	2015.5	1763.5	1427.4	1259.3	1165.8	978.8	838.4
130°	2093.7	2228.1	2093.7	1959.4	1925.8	1701.4	1402.2	1252.6	1167.5	997.5	869.9
132.5°	1999.8	2120.2	1999.8	1879.6	1849.5	1648.6	1380.7	1246.8	1168.8	1012.7	895.7
135°	1871.2	1974.8	1871.2	1767.5	1741.6	1573.3	1349.0	1236.9	1167.7	1029.4	925.6
137.5°	1767.9	1852.8	1767.9	1683.1	1661.9	1519.7	1330.0	1235.2	1174.9	1054.3	963.8
140°	1697.1	1776.4	1697.1	1617.8	1598.0	1475.1	1311.3	1229.4	1176.1	1069.4	989.5
142.5°	1638.5	1706.7	1638.5	1570.2	1553.2	1445.2	1301.4	1229.4	1180.3	1082.2	1008.6
145°	1550.5	1602.1	1550.5	1498.9	1485.9	1397.7	1279.9	1221.1	1180.3	1098.8	1037.7
147.5°	1482.9	1525.8	1482.9	1440.2	1429.4	1360.0	1267.4	1221.1	1188.4	1123.2	1074.2
150°	1440.4	1475.1	1440.4	1405.7	1397.0	1338.4	1260.2	1221.1	1192.7	1135.9	1093.3
152.5°	1404.1	1430.2	1404.1	1377.8	1371.3	1321.3	1254.5	1221.1	1195.5	1144.2	1105.7
155°	1362.3	1379.6	1362.3	1345.0	1340.6	1300.8	1247.7	1221.1	1201.6	1162.5	1133.1
157.5°	1329.3	1341.4	1329.3	1317.1	1314.0	1283.1	1241.7	1221.1	1207.6	1180.7	1160.5
160°	1309.6	1316.5	1309.6	1302.6	1300.8	1274.2	1238.8	1221.1	1210.4	1189.1	1173.0
162.5°	1296.6	1303.3	1296.6	1290.0	1288.3	1265.9	1236.0	1221.1	1213.3	1197.8	1186.2
165°	1278.0	1285.0	1278.0	1271.0	1269.2	1253.1	1231.8	1221.1	1217.6	1210.6	1205.3
167.5°	1264.7	1267.6	1264.7	1261.6	1260.9	1250.4	1236.4	1229.4	1226.5	1220.6	1216.1
170°	1260.9	1260.9	1260.9	1260.9	1260.9	1250.4	1236.4	1229.4	1229.2	1228.9	1228.6
172.5°	1251.1	1248.5	1251.1	1253.7	1254.3	1246.0	1234.9	1229.4	1229.4	1229.4	1229.4
175°	1245.2	1245.2	1245.2	1245.2	1245.2	1239.9	1232.9	1229.4	1231.1	1234.4	1236.9
177.5°	1239.8	1236.9	1239.8	1242.8	1243.5	1239.4	1233.9	1231.1	1232.4	1234.9	1236.9
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4857.7	4830.6	4830.6	4785.2	4767.1	4753.6	4730.9	4662.9	4644.7	4626.6	4653.9
5°	4898.5	4848.7	4812.4	4730.9	4662.9	4635.7	4549.6	4386.4	4277.7	4196.1	4150.9
7.5°	4907.6	4844.2	4776.1	4649.3	4486.1	4413.6	4150.9	3851.7	3770.2	3697.7	3652.3
10°	4898.5	4826.0	4730.9	4540.6	4155.3	4028.5	3765.7	3570.8	3520.9	3507.4	3520.9
12.5°	4866.8	4798.8	4667.4	4350.2	3811.0	3724.9	3570.8	3457.5	3448.5	3471.1	3593.4
15°	4812.4	4749.0	4594.9	4096.4	3620.6	3557.2	3448.5	3407.7	3457.5	3616.1	3983.1
17.5°	4758.0	4685.5	4495.2	3847.2	3475.7	3430.3	3353.3	3434.9	3715.8	3928.8	4051.2
20°	4685.5	4599.4	4382.0	3666.0	3371.4	3330.6	3294.4	3661.4	3874.4	3951.5	4019.4
22.5°	4599.4	4508.8	4227.9	3539.1	3262.7	3230.9	3253.6	3788.3	3874.4	3928.8	3987.7
25°	4486.1	4409.1	4046.6	3439.4	3176.6	3140.3	3226.4	3774.7	3824.5	3838.2	3956.0
27.5°	4382.0	4282.3	3856.3	3348.8	3072.3	3058.7	3249.0	3715.8	3752.0	3765.7	3892.5
30°	4255.0	4105.5	3643.3	3253.6	2963.6	2959.0	3253.6	3643.3	3634.2	3670.5	3797.4
32.5°	4123.6	3842.7	3403.1	3135.8	2859.3	2854.9	3221.9	3534.5	3525.5	3575.3	3670.5
35°	4001.3	3638.8	3076.9	2999.8	2727.9	2732.5	3144.9	3407.7	3412.2	3457.5	3516.4
37.5°	3874.4	3462.0	2718.9	2850.3	2601.1	2601.1	3040.6	3289.8	3280.8	3294.4	3376.0
40°	3724.9	3185.6	2401.7	2655.5	2483.3	2469.6	2913.8	3163.0	3131.2	3126.8	3240.0
42.5°	3566.3	2882.0	2166.0	2397.1	2347.3	2329.2	2759.6	3008.9	2950.0	2963.6	3108.5
45°	3394.1	2800.4	1984.7	2025.5	2206.8	2193.3	2592.0	2832.2	2791.4	2827.6	2977.2
47.5°	3221.9	2637.3	1925.9	1681.2	2057.3	2052.8	2406.2	2660.0	2637.3	2673.6	2832.2
50°	2986.3	2456.0	1921.4	1441.0	1889.6	1907.7	2184.2	2492.3	2492.3	2524.1	2691.7
52.5°	2682.6	2234.0	1744.6	1305.1	1694.7	1749.2	1989.3	2347.3	2356.3	2388.1	2537.6
55°	2406.2	2003.0	1617.7	1200.8	1463.6	1581.5	1799.0	2197.7	2215.9	2247.6	2383.6
57.5°	2152.5	1667.6	1590.6	1078.5	1250.6	1364.0	1631.4	2052.8	2061.9	2089.0	2220.4
60°	1880.6	1205.4	1459.2	947.1	1064.9	1151.0	1477.3	1880.6	1912.3	1930.4	2043.7
62.5°	1572.4	874.6	1323.2	856.5	974.3	992.4	1350.4	1717.4	1758.2	1771.8	1839.8
65°	1119.3	734.1	1123.8	779.4	879.1	883.6	1214.4	1549.8	1586.0	1608.7	1658.5
67.5°	756.8	598.1	856.5	706.9	806.6	811.1	1083.0	1354.9	1404.7	1422.9	1454.6
70°	525.7	398.7	634.4	629.8	725.1	734.1	942.5	1178.2	1223.5	1237.1	1255.2
72.5°	385.2	321.7	525.7	566.5	638.9	648.0	797.6	978.8	1024.1	1037.7	1046.8
75°	294.6	339.8	426.0	493.9	543.8	548.3	652.5	797.6	829.2	838.3	842.8
77.5°	235.7	317.2	312.7	398.7	444.1	435.1	512.1	616.3	643.5	643.5	643.5
80°	176.7	249.2	235.7	285.5	326.3	317.2	367.0	439.5	448.6	457.6	453.2
82.5°	131.4	158.6	158.6	181.3	217.5	208.4	244.7	285.5	285.5	285.5	294.6
85°	81.6	90.6	72.5	95.2	122.4	117.8	135.9	154.1	158.6	158.6	149.5
87.5°	49.8	40.8	22.7	36.2	54.4	54.4	63.5	67.9	63.5	63.5	63.5
90°	21.5	14.9	8.3	14.9	21.5	23.2	36.5	54.3	63.1	56.1	42.0
92.5°	146.1	89.6	33.2	89.6	146.1	160.2	225.2	311.9	355.3	311.3	223.6
95°	286.4	183.0	79.7	183.0	286.4	312.1	554.2	877.1	1038.5	926.7	703.1
97.5°	320.1	229.0	137.8	229.0	320.1	342.9	746.6	1284.8	1554.0	1483.3	1342.0
100°	347.9	265.3	182.6	265.3	347.9	368.6	816.6	1413.8	1712.5	1717.7	1728.0
102.5°	375.0	298.0	220.8	298.0	375.0	394.3	848.6	1454.4	1757.4	1847.4	2027.4
105°	416.1	350.9	285.5	350.9	416.1	432.5	872.4	1459.1	1752.4	1954.2	2357.9
107.5°	473.7	412.8	352.0	412.8	473.7	489.0	876.9	1394.2	1652.8	1934.3	2497.3
110°	506.7	451.8	396.8	451.8	506.7	520.5	870.2	1336.6	1569.8	1884.5	2513.9



TEST NUMBER: P934927

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	545.6	493.2	440.8	493.2	545.6	558.7	870.6	1286.4	1494.2	1816.3	2460.5
115°	603.9	555.5	507.2	555.5	603.9	615.9	878.5	1228.7	1403.7	1714.0	2334.6
117.5°	660.5	616.7	572.8	616.7	660.5	671.5	894.9	1192.5	1341.4	1621.4	2181.5
120°	693.6	652.3	611.0	652.3	693.6	703.9	908.2	1180.4	1316.5	1572.4	2084.1
122.5°	731.7	690.0	648.3	690.0	731.7	742.1	927.3	1174.1	1297.4	1527.8	1988.7
125°	781.7	743.6	705.6	743.6	781.7	791.1	953.0	1168.8	1276.7	1472.5	1863.9
127.5°	828.9	790.5	752.1	790.5	828.9	838.4	978.8	1165.8	1259.3	1427.4	1763.5
130°	859.6	818.4	777.0	818.4	859.6	869.9	997.5	1167.5	1252.6	1402.2	1701.4
132.5°	885.3	844.1	802.7	844.1	885.3	895.7	1012.7	1168.8	1246.8	1380.7	1648.6
135°	916.2	878.5	840.9	878.5	916.2	925.6	1029.4	1167.7	1236.9	1349.0	1573.3
137.5°	954.5	917.2	879.9	917.2	954.5	963.8	1054.3	1174.9	1235.2	1330.0	1519.7
140°	980.9	946.5	912.3	946.5	980.9	989.5	1069.4	1176.1	1229.4	1311.3	1475.1
142.5°	1000.6	968.9	937.2	968.9	1000.6	1008.6	1082.2	1180.3	1229.4	1301.4	1445.2
145°	1030.7	1003.0	975.4	1003.0	1030.7	1037.7	1098.8	1180.3	1221.1	1279.9	1397.7
147.5°	1067.5	1040.5	1013.6	1040.5	1067.5	1074.2	1123.2	1188.4	1221.1	1267.4	1360.0
150°	1087.2	1062.8	1038.5	1062.8	1087.2	1093.3	1135.9	1192.7	1221.1	1260.2	1338.4
152.5°	1101.0	1082.7	1064.2	1082.7	1101.0	1105.7	1144.2	1195.5	1221.1	1254.5	1321.3
155°	1129.7	1116.0	1102.4	1116.0	1129.7	1133.1	1162.5	1201.6	1221.1	1247.7	1300.8
157.5°	1157.2	1143.9	1130.6	1143.9	1157.2	1160.5	1180.7	1207.6	1221.1	1241.7	1283.1
160°	1170.4	1160.0	1149.7	1160.0	1170.4	1173.0	1189.1	1210.4	1221.1	1238.8	1274.2
162.5°	1184.2	1176.6	1168.8	1176.6	1184.2	1186.2	1197.8	1213.3	1221.1	1236.0	1265.9
165°	1203.5	1196.6	1189.6	1196.6	1203.5	1205.3	1210.6	1217.6	1221.1	1231.8	1253.1
167.5°	1215.3	1211.9	1208.6	1211.9	1215.3	1216.1	1220.6	1226.5	1229.4	1236.4	1250.4
170°	1227.8	1224.4	1221.1	1224.4	1227.8	1228.6	1228.9	1229.2	1229.4	1236.4	1250.4
172.5°	1229.2	1228.4	1227.7	1228.4	1229.2	1229.4	1229.4	1229.4	1229.4	1234.9	1246.0
175°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1234.4	1231.1	1229.4	1232.9	1239.9
177.5°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1234.9	1232.4	1231.1	1233.9	1239.4
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934927

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4622.1	4608.5	4626.6	4576.8	4626.6	4608.5	4622.1	4653.9	4626.6	4644.7	4662.9
5°	4055.7	4033.0	3960.5	3901.6	3960.5	4033.0	4055.7	4150.9	4196.1	4277.7	4386.4
7.5°	3625.2	3607.1	3589.0	3552.7	3589.0	3607.1	3625.2	3652.3	3697.7	3770.2	3851.7
10°	3530.0	3534.5	3561.7	3557.2	3561.7	3534.5	3530.0	3520.9	3507.4	3520.9	3570.8
12.5°	3774.7	3815.5	3965.0	3956.0	3965.0	3815.5	3774.7	3593.4	3471.1	3448.5	3457.5
15°	4055.7	4069.3	4101.0	4105.5	4101.0	4069.3	4055.7	3983.1	3616.1	3457.5	3407.7
17.5°	4082.8	4087.4	4110.1	4110.1	4110.1	4087.4	4082.8	4051.2	3928.8	3715.8	3434.9
20°	4060.2	4069.3	4114.6	4123.6	4114.6	4069.3	4060.2	4019.4	3951.5	3874.4	3661.4
22.5°	4051.2	4069.3	4105.5	4101.0	4105.5	4069.3	4051.2	3987.7	3928.8	3874.4	3788.3
25°	4005.8	4005.8	4010.4	4014.9	4010.4	4005.8	4005.8	3956.0	3838.2	3824.5	3774.7
27.5°	3910.7	3919.8	3946.9	3942.3	3946.9	3919.8	3910.7	3892.5	3765.7	3752.0	3715.8
30°	3824.5	3815.5	3792.8	3774.7	3792.8	3815.5	3824.5	3797.4	3670.5	3634.2	3643.3
32.5°	3679.6	3656.9	3634.2	3620.6	3634.2	3656.9	3679.6	3670.5	3575.3	3525.5	3534.5
35°	3507.4	3511.9	3507.4	3493.8	3507.4	3511.9	3507.4	3516.4	3457.5	3412.2	3407.7
37.5°	3385.0	3394.1	3389.5	3371.4	3389.5	3394.1	3385.0	3376.0	3294.4	3280.8	3289.8
40°	3258.2	3262.7	3258.2	3244.5	3258.2	3262.7	3258.2	3240.0	3126.8	3131.2	3163.0
42.5°	3135.8	3131.2	3117.7	3108.5	3117.7	3131.2	3135.8	3108.5	2963.6	2950.0	3008.9
45°	2995.3	2999.8	2972.6	2959.0	2972.6	2999.8	2995.3	2977.2	2827.6	2791.4	2832.2
47.5°	2854.9	2854.9	2832.2	2818.5	2832.2	2854.9	2854.9	2832.2	2673.6	2637.3	2660.0
50°	2705.3	2700.8	2669.0	2664.5	2669.0	2700.8	2705.3	2691.7	2524.1	2492.3	2492.3
52.5°	2533.1	2533.1	2537.6	2546.6	2537.6	2533.1	2533.1	2537.6	2388.1	2356.3	2347.3
55°	2383.6	2388.1	2419.8	2428.9	2419.8	2388.1	2383.6	2383.6	2247.6	2215.9	2197.7
57.5°	2229.5	2229.5	2252.2	2252.2	2252.2	2229.5	2229.5	2220.4	2089.0	2061.9	2052.8
60°	2052.8	2061.9	2080.0	2075.4	2080.0	2061.9	2052.8	2043.7	1930.4	1912.3	1880.6
62.5°	1867.0	1876.0	1880.6	1871.5	1880.6	1876.0	1867.0	1839.8	1771.8	1758.2	1717.4
65°	1672.1	1681.2	1685.7	1676.6	1685.7	1681.2	1672.1	1658.5	1608.7	1586.0	1549.8
67.5°	1472.7	1468.2	1463.6	1481.7	1463.6	1468.2	1472.7	1454.6	1422.9	1404.7	1354.9
70°	1268.8	1268.8	1264.3	1273.3	1264.3	1268.8	1268.8	1255.2	1237.1	1223.5	1178.2
72.5°	1051.3	1046.8	1064.9	1051.3	1064.9	1046.8	1051.3	1046.8	1037.7	1024.1	978.8
75°	838.3	847.4	838.3	851.9	838.3	847.4	838.3	842.8	838.3	829.2	797.6
77.5°	638.9	648.0	638.9	638.9	638.9	648.0	638.9	643.5	643.5	643.5	616.3
80°	453.2	448.6	448.6	444.1	448.6	448.6	453.2	453.2	457.6	448.6	439.5
82.5°	290.0	285.5	285.5	294.6	285.5	285.5	290.0	294.6	285.5	285.5	285.5
85°	158.6	163.2	154.1	154.1	154.1	163.2	158.6	149.5	158.6	158.6	154.1
87.5°	58.9	54.4	54.4	54.4	54.4	54.4	58.9	63.5	63.5	63.5	67.9
90°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	42.0	56.1	63.1	54.3
92.5°	157.7	151.5	126.4	101.3	126.4	151.5	157.7	223.6	311.3	355.3	311.9
95°	535.4	516.4	440.4	364.5	440.4	516.4	535.4	703.1	926.7	1038.5	877.1
97.5°	1236.0	1199.9	1055.3	910.7	1055.3	1199.9	1236.0	1342.0	1483.3	1554.0	1284.8
100°	1735.8	1692.7	1520.4	1348.1	1520.4	1692.7	1735.8	1728.0	1717.7	1712.5	1413.8
102.5°	2162.5	2125.6	1978.0	1830.4	1978.0	2125.6	2162.5	2027.4	1847.4	1757.4	1454.4
105°	2660.5	2640.7	2561.4	2482.0	2561.4	2640.7	2660.5	2357.9	1954.2	1752.4	1459.1
107.5°	2919.5	2924.3	2943.5	2962.7	2943.5	2924.3	2919.5	2497.3	1934.3	1652.8	1394.2
110°	2985.9	3006.5	3089.2	3171.8	3089.2	3006.5	2985.9	2513.9	1884.5	1569.8	1336.6



TEST NUMBER: P934927

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2943.6	2975.3	3102.2	3229.1	3102.2	2975.3	2943.6	2460.5	1816.3	1494.2	1286.4
115°	2800.0	2844.0	3019.9	3195.9	3019.9	2844.0	2800.0	2334.6	1714.0	1403.7	1228.7
117.5°	2601.5	2650.4	2845.5	3040.7	2845.5	2650.4	2601.5	2181.5	1621.4	1341.4	1192.5
120°	2467.9	2515.3	2705.0	2894.6	2705.0	2515.3	2467.9	2084.1	1572.4	1316.5	1180.4
122.5°	2334.3	2381.1	2568.1	2755.2	2568.1	2381.1	2334.3	1988.7	1527.8	1297.4	1174.1
125°	2157.5	2200.6	2372.9	2545.1	2372.9	2200.6	2157.5	1863.9	1472.5	1276.7	1168.8
127.5°	2015.5	2051.9	2197.3	2342.6	2197.3	2051.9	2015.5	1763.5	1427.4	1259.3	1165.8
130°	1925.8	1959.4	2093.7	2228.1	2093.7	1959.4	1925.8	1701.4	1402.2	1252.6	1167.5
132.5°	1849.5	1879.6	1999.8	2120.2	1999.8	1879.6	1849.5	1648.6	1380.7	1246.8	1168.8
135°	1741.6	1767.5	1871.2	1974.8	1871.2	1767.5	1741.6	1573.3	1349.0	1236.9	1167.7
137.5°	1661.9	1683.1	1767.9	1852.8	1767.9	1683.1	1661.9	1519.7	1330.0	1235.2	1174.9
140°	1598.0	1617.8	1697.1	1776.4	1697.1	1617.8	1598.0	1475.1	1311.3	1229.4	1176.1
142.5°	1553.2	1570.2	1638.5	1706.7	1638.5	1570.2	1553.2	1445.2	1301.4	1229.4	1180.3
145°	1485.9	1498.9	1550.5	1602.1	1550.5	1498.9	1485.9	1397.7	1279.9	1221.1	1180.3
147.5°	1429.4	1440.2	1482.9	1525.8	1482.9	1440.2	1429.4	1360.0	1267.4	1221.1	1188.4
150°	1397.0	1405.7	1440.4	1475.1	1440.4	1405.7	1397.0	1338.4	1260.2	1221.1	1192.7
152.5°	1371.3	1377.8	1404.1	1430.2	1404.1	1377.8	1371.3	1321.3	1254.5	1221.1	1195.5
155°	1340.6	1345.0	1362.3	1379.6	1362.3	1345.0	1340.6	1300.8	1247.7	1221.1	1201.6
157.5°	1314.0	1317.1	1329.3	1341.4	1329.3	1317.1	1314.0	1283.1	1241.7	1221.1	1207.6
160°	1300.8	1302.6	1309.6	1316.5	1309.6	1302.6	1300.8	1274.2	1238.8	1221.1	1210.4
162.5°	1288.3	1290.0	1296.6	1303.3	1296.6	1290.0	1288.3	1265.9	1236.0	1221.1	1213.3
165°	1269.2	1271.0	1278.0	1285.0	1278.0	1271.0	1269.2	1253.1	1231.8	1221.1	1217.6
167.5°	1260.9	1261.6	1264.7	1267.6	1264.7	1261.6	1260.9	1250.4	1236.4	1229.4	1226.5
170°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1250.4	1236.4	1229.4	1229.2
172.5°	1254.3	1253.7	1251.1	1248.5	1251.1	1253.7	1254.3	1246.0	1234.9	1229.4	1229.4
175°	1245.2	1245.2	1245.2	1245.2	1245.2	1245.2	1245.2	1239.9	1232.9	1229.4	1231.1
177.5°	1243.5	1242.8	1239.8	1236.9	1239.8	1242.8	1243.5	1239.4	1233.9	1231.1	1232.4
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934927

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4730.9	4753.6	4767.1	4785.2	4830.6
5°	4549.6	4635.7	4662.9	4730.9	4812.4
7.5°	4150.9	4413.6	4486.1	4649.3	4776.1
10°	3765.7	4028.5	4155.3	4540.6	4730.9
12.5°	3570.8	3724.9	3811.0	4350.2	4667.4
15°	3448.5	3557.2	3620.6	4096.4	4594.9
17.5°	3353.3	3430.3	3475.7	3847.2	4495.2
20°	3294.4	3330.6	3371.4	3666.0	4382.0
22.5°	3253.6	3230.9	3262.7	3539.1	4227.9
25°	3226.4	3140.3	3176.6	3439.4	4046.6
27.5°	3249.0	3058.7	3072.3	3348.8	3856.3
30°	3253.6	2959.0	2963.6	3253.6	3643.3
32.5°	3221.9	2854.9	2859.3	3135.8	3403.1
35°	3144.9	2732.5	2727.9	2999.8	3076.9
37.5°	3040.6	2601.1	2601.1	2850.3	2718.9
40°	2913.8	2469.6	2483.3	2655.5	2401.7
42.5°	2759.6	2329.2	2347.3	2397.1	2166.0
45°	2592.0	2193.3	2206.8	2025.5	1984.7
47.5°	2406.2	2052.8	2057.3	1681.2	1925.9
50°	2184.2	1907.7	1889.6	1441.0	1921.4
52.5°	1989.3	1749.2	1694.7	1305.1	1744.6
55°	1799.0	1581.5	1463.6	1200.8	1617.7
57.5°	1631.4	1364.0	1250.6	1078.5	1590.6
60°	1477.3	1151.0	1064.9	947.1	1459.2
62.5°	1350.4	992.4	974.3	856.5	1323.2
65°	1214.4	883.6	879.1	779.4	1123.8
67.5°	1083.0	811.1	806.6	706.9	856.5
70°	942.5	734.1	725.1	629.8	634.4
72.5°	797.6	648.0	638.9	566.5	525.7
75°	652.5	548.3	543.8	493.9	426.0
77.5°	512.1	435.1	444.1	398.7	312.7
80°	367.0	317.2	326.3	285.5	235.7
82.5°	244.7	208.4	217.5	181.3	158.6
85°	135.9	117.8	122.4	95.2	72.5
87.5°	63.5	54.4	54.4	36.2	22.7
90°	36.5	23.2	21.5	14.9	8.3
92.5°	225.2	160.2	146.1	89.6	33.2
95°	554.2	312.1	286.4	183.0	79.7
97.5°	746.6	342.9	320.1	229.0	137.8
100°	816.6	368.6	347.9	265.3	182.6
102.5°	848.6	394.3	375.0	298.0	220.8
105°	872.4	432.5	416.1	350.9	285.5
107.5°	876.9	489.0	473.7	412.8	352.0
110°	870.2	520.5	506.7	451.8	396.8



TEST NUMBER: P934927

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	870.6	558.7	545.6	493.2	440.8
115°	878.5	615.9	603.9	555.5	507.2
117.5°	894.9	671.5	660.5	616.7	572.8
120°	908.2	703.9	693.6	652.3	611.0
122.5°	927.3	742.1	731.7	690.0	648.3
125°	953.0	791.1	781.7	743.6	705.6
127.5°	978.8	838.4	828.9	790.5	752.1
130°	997.5	869.9	859.6	818.4	777.0
132.5°	1012.7	895.7	885.3	844.1	802.7
135°	1029.4	925.6	916.2	878.5	840.9
137.5°	1054.3	963.8	954.5	917.2	879.9
140°	1069.4	989.5	980.9	946.5	912.3
142.5°	1082.2	1008.6	1000.6	968.9	937.2
145°	1098.8	1037.7	1030.7	1003.0	975.4
147.5°	1123.2	1074.2	1067.5	1040.5	1013.6
150°	1135.9	1093.3	1087.2	1062.8	1038.5
152.5°	1144.2	1105.7	1101.0	1082.7	1064.2
155°	1162.5	1133.1	1129.7	1116.0	1102.4
157.5°	1180.7	1160.5	1157.2	1143.9	1130.6
160°	1189.1	1173.0	1170.4	1160.0	1149.7
162.5°	1197.8	1186.2	1184.2	1176.6	1168.8
165°	1210.6	1205.3	1203.5	1196.6	1189.6
167.5°	1220.6	1216.1	1215.3	1211.9	1208.6
170°	1228.9	1228.6	1227.8	1224.4	1221.1
172.5°	1229.4	1229.4	1229.2	1228.4	1227.7
175°	1234.4	1236.9	1236.9	1236.9	1236.9
177.5°	1234.9	1236.9	1236.9	1236.9	1236.9
180°	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934927  
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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	15.12	16.08	15.98	16.96	18.07	17.97	18.93	18.83	19.82	20.92
	3H	15.60	16.47	16.47	17.36	18.49	19.33	20.20	20.20	21.09	22.22
	4H	15.80	16.62	16.68	17.51	18.66	19.78	20.60	20.67	21.50	22.64
	6H	15.92	16.68	16.82	17.58	18.74	20.08	20.83	20.98	21.74	22.89
	8H	15.93	16.65	16.83	17.57	18.72	20.16	20.88	21.07	21.80	22.96
	12H	15.90	16.59	16.81	17.50	18.68	20.20	20.89	21.12	21.80	22.99
4H	2H	16.17	16.99	17.06	17.88	19.03	18.39	19.21	19.28	20.10	21.25
	3H	17.20	17.89	18.11	18.81	19.98	19.91	20.59	20.81	21.52	22.68
	4H	17.48	18.11	18.40	19.03	20.22	20.45	21.07	21.36	21.99	23.18
	6H	17.62	18.15	18.54	19.10	20.29	20.82	21.36	21.75	22.31	23.50
	8H	17.62	18.13	18.56	19.07	20.27	20.94	21.44	21.87	22.38	23.58
	12H	17.60	18.05	18.55	19.01	20.21	21.00	21.46	21.95	22.41	23.62
8H	4H	17.95	18.45	18.88	19.39	20.59	20.58	21.08	21.51	22.02	23.22
	6H	18.22	18.63	19.17	19.61	20.81	21.03	21.44	21.98	22.43	23.62
	8H	18.26	18.63	19.23	19.60	20.82	21.18	21.55	22.15	22.52	23.74
	12H	18.25	18.57	19.22	19.54	20.80	21.29	21.61	22.26	22.58	23.85
12H	4H	17.96	18.41	18.91	19.37	20.58	20.55	21.00	21.50	21.96	23.17
	6H	18.28	18.65	19.25	19.62	20.84	21.02	21.39	21.99	22.37	23.58
	8H	18.35	18.67	19.32	19.64	20.91	21.19	21.52	22.17	22.48	23.75