

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: P934929

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

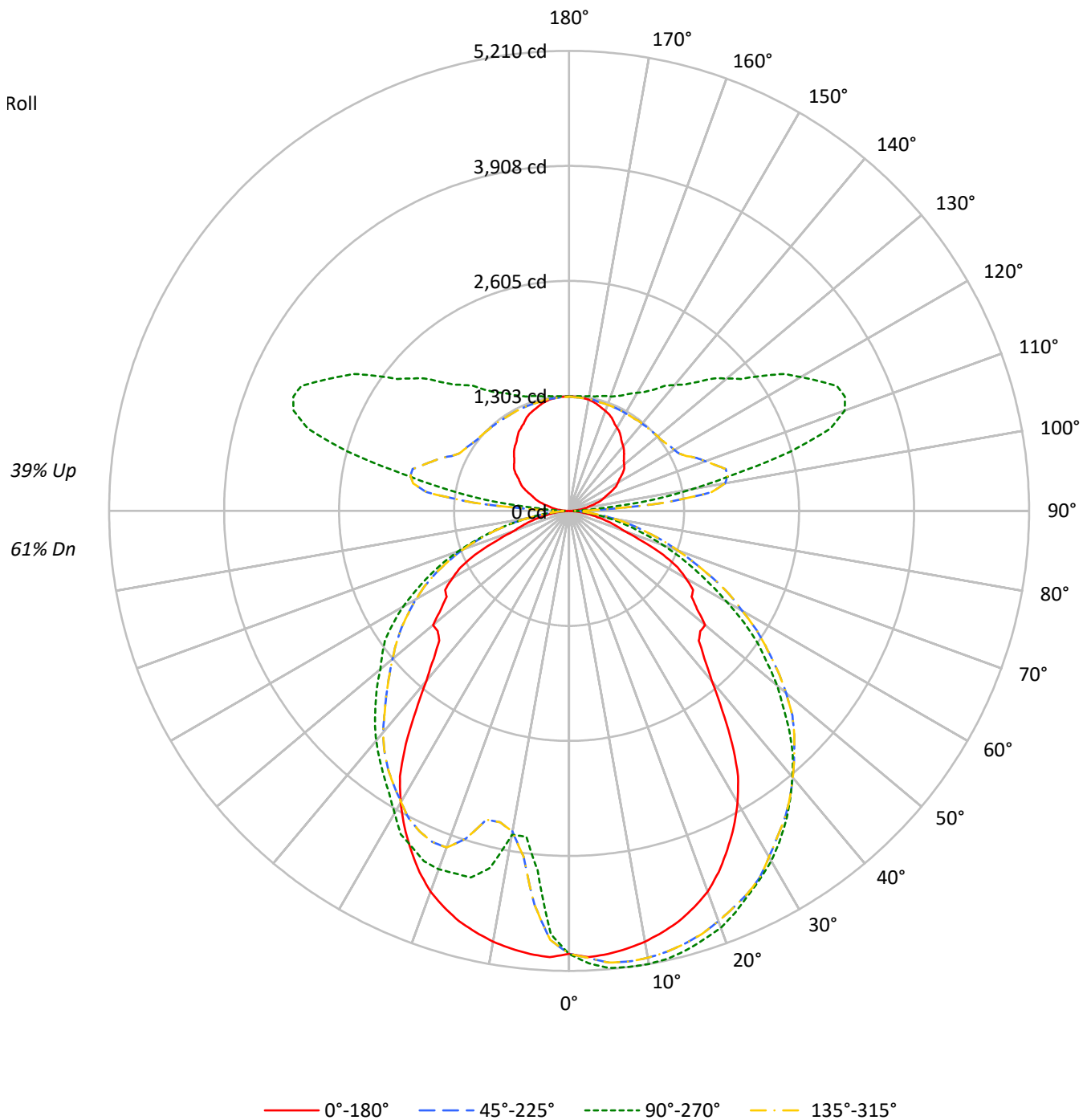
Test Method: LM-79-2019  
Report Number: P934929  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21405.7 lumens  
Efficiency: N/A  
Efficacy: 115.1 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-12-5000K

### 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°	15514	15514	15514	15514
5°	15635	15660	15635	12314
10°	15536	15426	15536	11029
15°	15373	15092	15373	12602
20°	15058	14696	15058	12628
25°	14406	14119	14406	12361
30°	13561	13639	13561	11773
35°	12095	13033	12095	11128
40°	10084	12319	10084	10640
45°	9016	11483	9016	10079
50°	9586	10486	9586	9516
55°	9028	9413	9028	9190
60°	9318	7994	9318	8417
65°	8462	6609	8462	7387
70°	5873	5267	5873	6192
75°	5169	3893	5169	4662
80°	4198	2574	4198	2802
85°	2459	1363	2459	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13810 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.7	2.1
10°-20°	1285.5	6.0
20°-30°	1987.1	9.3
30°-40°	2372.2	11.1
40°-50°	2386.1	11.1
50°-60°	2076.2	9.7
60°-70°	1472.0	6.9
70°-80°	778.8	3.6
80°-90°	198.9	0.9
90°-100°	631.3	2.9
100°-110°	1659.8	7.8
110°-120°	1721.1	8.0
120°-130°	1380.5	6.4
130°-140°	1083.2	5.1
140°-150°	831.4	3.9
150°-160°	598.7	2.8
160°-170°	366.3	1.7
170°-180°	123.8	0.6
0°-30°	3725.3	17.4
0°-40°	6097.5	28.5
0°-60°	10559.8	49.3
0°-90°	13009.5	60.8
90°-120°	4012.2	18.7
90°-150°	7307.3	34.1
90°-180°	8396.0	39.2
0°-180°	21405.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5016	5016	5016	5016	5016	
5°	5039	5196	5039	4086	5039	478
15°	4812	5148	4812	4299	4812	1354
25°	4237	4802	4237	4204	4237	1946
35°	3222	4285	3222	3658	3222	1993
45°	2078	3530	2078	3099	2078	1665
55°	1694	2605	1694	2543	1694	1557
65°	1177	1571	1177	1756	1177	1125
75°	446	745	446	892	446	469
85°	76	190	76	161	76	103
90°	9	33	9	33	9	10
95°	84	382	84	382	84	93
105°	299	2599	299	2599	299	317
115°	531	3347	531	3347	531	525
125°	739	2665	739	2665	739	656
135°	881	2068	881	2068	881	681
145°	1021	1678	1021	1678	1021	640
155°	1154	1445	1154	1445	1154	530
165°	1246	1346	1246	1346	1246	352
175°	1295	1304	1295	1304	1295	123
180°	1295	1295	1295	1295	1295	



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CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5058.3	5058.3	5086.8	5096.3	5096.3	5082.0	5067.8	5082.0	5124.7	5139.0	5134.2
5°	5039.3	5077.3	5129.5	5139.0	5148.5	5143.7	5134.2	5143.7	5191.2	5200.7	5205.4
7.5°	5001.3	5072.6	5139.0	5153.2	5167.4	5153.2	5148.5	5158.0	5205.4	5214.9	5214.9
10°	4953.9	5053.6	5129.5	5139.0	5153.2	5139.0	5139.0	5158.0	5205.4	5214.9	5219.7
12.5°	4887.5	5025.1	5096.3	5105.7	5124.7	5119.9	5115.3	5134.2	5181.6	5191.2	5191.2
15°	4811.6	4972.9	5039.3	5048.8	5082.0	5072.6	5072.6	5091.5	5143.7	5158.0	5153.2
17.5°	4707.2	4906.5	4982.4	4996.7	5020.3	5015.6	5020.3	5039.3	5086.8	5096.3	5101.0
20°	4588.6	4816.3	4906.5	4920.7	4944.4	4944.4	4944.4	4968.1	5015.6	5034.6	5034.6
22.5°	4427.2	4721.4	4816.3	4825.8	4854.3	4854.3	4863.7	4896.9	4939.6	4944.4	4944.4
25°	4237.4	4617.0	4697.6	4726.2	4754.7	4768.9	4783.1	4802.1	4816.3	4811.6	4816.3
27.5°	4038.1	4484.2	4588.6	4607.5	4645.5	4659.7	4678.7	4683.4	4688.2	4702.4	4693.0
30°	3815.1	4299.1	4455.7	4474.6	4536.3	4545.8	4526.9	4536.3	4560.1	4569.6	4579.0
32.5°	3563.6	4023.9	4318.1	4360.8	4417.7	4389.3	4384.5	4398.7	4436.7	4436.7	4446.2
35°	3221.9	3810.3	4189.9	4227.9	4270.6	4237.4	4256.4	4261.1	4284.9	4299.1	4294.3
37.5°	2847.1	3625.3	4057.1	4085.6	4118.8	4076.1	4104.6	4118.8	4137.8	4128.2	4128.2
40°	2514.9	3335.8	3900.5	3919.5	3947.9	3914.7	3943.2	3952.7	3962.2	3952.7	3947.9
42.5°	2268.2	3017.9	3734.4	3758.2	3739.2	3762.8	3772.4	3791.4	3777.1	3758.2	3758.2
45°	2078.3	2932.5	3554.1	3582.5	3554.1	3592.1	3606.3	3606.3	3563.6	3554.1	3549.4
47.5°	2016.7	2761.7	3373.8	3373.8	3359.5	3407.0	3430.7	3397.5	3354.8	3340.5	3340.5
50°	2012.0	2571.8	3127.1	3108.1	3174.4	3231.5	3207.7	3174.4	3141.3	3089.1	3089.1
52.5°	1826.9	2339.4	2809.1	2880.3	2984.7	3017.9	2979.9	2946.8	2889.7	2866.1	2847.1
55°	1694.0	2097.4	2519.7	2662.0	2771.1	2813.8	2742.7	2709.4	2624.1	2609.8	2600.4
57.5°	1665.6	1746.2	2254.0	2434.3	2567.1	2562.4	2519.7	2458.0	2386.8	2372.6	2367.8
60°	1528.0	1262.2	1969.2	2182.7	2320.4	2306.1	2268.2	2211.2	2144.8	2135.3	2125.8
62.5°	1385.6	915.8	1646.6	1888.6	2083.1	2078.3	2045.1	1959.7	1912.3	1888.6	1869.6
65°	1176.8	768.7	1172.0	1570.7	1850.6	1860.1	1788.9	1727.2	1675.0	1646.6	1641.8
67.5°	896.9	626.3	792.4	1309.6	1627.6	1618.1	1528.0	1499.5	1433.0	1418.8	1390.3
70°	664.3	417.5	550.4	1062.9	1409.3	1385.6	1314.4	1281.2	1219.5	1186.2	1167.3
72.5°	550.4	336.9	403.3	825.6	1186.2	1157.8	1096.1	1058.2	1005.9	977.5	958.5
75°	446.0	355.8	308.5	612.1	963.2	944.2	887.3	849.4	806.7	768.7	773.5
77.5°	327.4	332.2	246.8	450.8	763.9	735.5	702.2	654.9	635.9	597.9	597.9
80°	246.8	261.0	185.1	308.5	550.4	550.4	521.9	488.8	455.6	436.5	436.5
82.5°	166.1	166.1	137.6	194.5	374.9	360.6	341.6	332.2	313.2	303.7	303.7
85°	75.9	94.9	85.4	118.6	204.0	213.5	213.5	204.0	199.3	189.8	194.5
87.5°	23.7	42.7	52.2	66.5	104.4	109.2	113.8	113.8	113.8	118.6	118.6
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.1	58.7	44.0	33.0	33.0
92.5°	34.8	93.8	153.0	167.8	235.8	326.6	372.0	326.0	234.1	165.2	158.6
95°	83.5	191.6	299.9	326.9	580.4	918.4	1087.4	970.4	736.3	560.6	540.7
97.5°	144.3	239.8	335.2	359.0	781.8	1345.4	1627.2	1553.2	1405.2	1294.3	1256.4
100°	191.2	277.8	364.3	385.9	855.1	1480.5	1793.2	1798.7	1809.5	1817.6	1772.5
102.5°	231.2	312.0	392.7	412.9	888.6	1523.0	1840.2	1934.5	2123.0	2264.4	2225.8
105°	299.0	367.4	435.8	452.9	913.6	1527.9	1835.0	2046.4	2469.0	2786.0	2765.2
107.5°	368.6	432.3	496.0	512.0	918.3	1459.9	1730.7	2025.5	2615.0	3057.1	3062.2
110°	415.5	473.1	530.6	545.0	911.2	1399.6	1643.8	1973.4	2632.4	3126.7	3148.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.6	516.4	571.3	585.0	911.6	1347.0	1564.7	1901.9	2576.5	3082.4	3115.6
115°	531.1	581.7	632.3	644.9	919.9	1286.6	1469.9	1794.8	2444.6	2932.0	2978.1
117.5°	599.8	645.8	691.7	703.2	937.0	1248.8	1404.7	1697.9	2284.3	2724.2	2775.3
120°	639.8	683.1	726.3	737.1	951.0	1236.1	1378.6	1646.5	2182.4	2584.3	2633.9
122.5°	678.9	722.5	766.2	777.1	971.0	1229.4	1358.6	1599.8	2082.4	2444.3	2493.3
125°	738.9	778.7	818.5	828.4	997.9	1223.9	1336.9	1541.9	1951.8	2259.2	2304.3
127.5°	787.6	827.8	868.0	878.0	1024.9	1220.7	1318.7	1494.7	1846.6	2110.6	2148.6
130°	813.7	856.9	900.1	911.0	1044.5	1222.6	1311.7	1468.3	1781.6	2016.6	2051.8
132.5°	840.6	883.9	927.0	937.9	1060.4	1223.9	1305.6	1445.8	1726.3	1936.7	1968.2
135°	880.6	919.9	959.4	969.2	1077.9	1222.8	1295.2	1412.6	1647.5	1823.7	1850.8
137.5°	921.4	960.4	999.5	1009.2	1104.0	1230.3	1293.4	1392.7	1591.3	1740.2	1762.5
140°	955.3	991.2	1027.1	1036.1	1119.9	1231.6	1287.4	1373.2	1544.7	1673.3	1694.1
142.5°	981.3	1014.6	1047.8	1056.1	1133.2	1236.0	1287.4	1362.7	1513.4	1626.4	1644.2
145°	1021.4	1050.3	1079.3	1086.6	1150.6	1236.0	1278.7	1340.3	1463.6	1556.0	1569.6
147.5°	1061.4	1089.6	1117.8	1124.8	1176.1	1244.5	1278.7	1327.2	1424.1	1496.8	1508.1
150°	1087.4	1113.0	1138.5	1144.8	1189.4	1249.0	1278.7	1319.6	1401.5	1462.9	1472.0
152.5°	1114.4	1133.7	1153.0	1157.8	1198.1	1251.9	1278.7	1313.6	1383.6	1436.0	1442.8
155°	1154.4	1168.7	1183.0	1186.5	1217.3	1258.2	1278.7	1306.5	1362.1	1403.8	1408.4
157.5°	1183.9	1197.8	1211.8	1215.2	1236.3	1264.6	1278.7	1300.3	1343.5	1376.0	1379.2
160°	1203.9	1214.7	1225.6	1228.3	1245.1	1267.5	1278.7	1297.2	1334.3	1362.1	1364.0
162.5°	1223.9	1232.0	1240.1	1242.1	1254.3	1270.5	1278.7	1294.3	1325.6	1349.1	1350.8
165°	1245.7	1253.0	1260.3	1262.1	1267.6	1275.0	1278.7	1289.9	1312.2	1329.1	1330.9
167.5°	1265.6	1269.1	1272.6	1273.4	1278.1	1284.3	1287.4	1294.7	1309.3	1320.4	1321.1
170°	1278.7	1282.1	1285.7	1286.5	1286.8	1287.2	1287.4	1294.7	1309.3	1320.4	1320.4
172.5°	1285.6	1286.3	1287.2	1287.4	1287.4	1287.4	1287.4	1293.2	1304.8	1313.4	1312.8
175°	1295.2	1295.2	1295.2	1295.2	1292.6	1289.1	1287.4	1291.0	1298.4	1303.9	1303.9
177.5°	1295.2	1295.2	1295.2	1295.2	1293.2	1290.5	1289.1	1292.0	1297.8	1302.1	1301.4
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5143.7	5129.5	5143.7	5134.2	5139.0	5124.7	5082.0	5067.8	5082.0	5096.3	5096.3
5°	5205.4	5195.9	5205.4	5205.4	5200.7	5191.2	5143.7	5134.2	5143.7	5148.5	5139.0
7.5°	5224.4	5210.1	5224.4	5214.9	5214.9	5205.4	5158.0	5148.5	5153.2	5167.4	5153.2
10°	5224.4	5210.1	5224.4	5219.7	5214.9	5205.4	5158.0	5139.0	5139.0	5153.2	5139.0
12.5°	5200.7	5191.2	5200.7	5191.2	5191.2	5181.6	5134.2	5115.3	5119.9	5124.7	5105.7
15°	5162.7	5148.5	5162.7	5153.2	5158.0	5143.7	5091.5	5072.6	5072.6	5082.0	5048.8
17.5°	5105.7	5086.8	5105.7	5101.0	5096.3	5086.8	5039.3	5020.3	5015.6	5020.3	4996.7
20°	5039.3	5025.1	5039.3	5034.6	5034.6	5015.6	4968.1	4944.4	4944.4	4944.4	4920.7
22.5°	4935.0	4920.7	4935.0	4944.4	4944.4	4939.6	4896.9	4863.7	4854.3	4854.3	4825.8
25°	4816.3	4802.1	4816.3	4816.3	4811.6	4816.3	4802.1	4783.1	4768.9	4754.7	4726.2
27.5°	4702.4	4693.0	4702.4	4693.0	4702.4	4688.2	4683.4	4678.7	4659.7	4645.5	4607.5
30°	4588.6	4579.0	4588.6	4579.0	4569.6	4560.1	4536.3	4526.9	4545.8	4536.3	4474.6
32.5°	4446.2	4436.7	4446.2	4446.2	4436.7	4436.7	4398.7	4384.5	4389.3	4417.7	4360.8
35°	4299.1	4284.9	4299.1	4294.3	4299.1	4284.9	4261.1	4256.4	4237.4	4270.6	4227.9
37.5°	4128.2	4114.0	4128.2	4128.2	4128.2	4137.8	4118.8	4104.6	4076.1	4118.8	4085.6
40°	3952.7	3933.7	3952.7	3947.9	3952.7	3962.2	3952.7	3943.2	3914.7	3947.9	3919.5
42.5°	3753.4	3748.6	3753.4	3758.2	3758.2	3777.1	3791.4	3772.4	3762.8	3739.2	3758.2
45°	3539.8	3530.4	3539.8	3549.4	3554.1	3563.6	3606.3	3606.3	3592.1	3554.1	3582.5
47.5°	3312.1	3288.4	3312.1	3340.5	3340.5	3354.8	3397.5	3430.7	3407.0	3359.5	3373.8
50°	3070.1	3074.8	3070.1	3089.1	3089.1	3141.3	3174.4	3207.7	3231.5	3174.4	3108.1
52.5°	2832.8	2828.1	2832.8	2847.1	2866.1	2889.7	2946.8	2979.9	3017.9	2984.7	2880.3
55°	2595.6	2605.1	2595.6	2600.4	2609.8	2624.1	2709.4	2742.7	2813.8	2771.1	2662.0
57.5°	2358.4	2344.1	2358.4	2367.8	2372.6	2386.8	2458.0	2519.7	2562.4	2567.1	2434.3
60°	2083.1	2064.1	2083.1	2125.8	2135.3	2144.8	2211.2	2268.2	2306.1	2320.4	2182.7
62.5°	1841.1	1807.9	1841.1	1869.6	1888.6	1912.3	1959.7	2045.1	2078.3	2083.1	1888.6
65°	1584.9	1570.7	1584.9	1641.8	1646.6	1675.0	1727.2	1788.9	1860.1	1850.6	1570.7
67.5°	1352.3	1352.3	1352.3	1390.3	1418.8	1433.0	1499.5	1528.0	1618.1	1627.6	1309.6
70°	1138.8	1134.1	1138.8	1167.3	1186.2	1219.5	1281.2	1314.4	1385.6	1409.3	1062.9
72.5°	934.8	930.0	934.8	958.5	977.5	1005.9	1058.2	1096.1	1157.8	1186.2	825.6
75°	754.5	745.0	754.5	773.5	768.7	806.7	849.4	887.3	944.2	963.2	612.1
77.5°	578.9	578.9	578.9	597.9	597.9	635.9	654.9	702.2	735.5	763.9	450.8
80°	431.8	427.1	431.8	436.5	436.5	455.6	488.8	521.9	550.4	550.4	308.5
82.5°	303.7	294.2	303.7	303.7	303.7	313.2	332.2	341.6	360.6	374.9	194.5
85°	189.8	189.8	189.8	194.5	189.8	199.3	204.0	213.5	213.5	204.0	118.6
87.5°	123.4	118.6	123.4	118.6	118.6	113.8	113.8	113.8	109.2	104.4	66.5
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.1	56.8	38.2	24.3
92.5°	132.4	106.1	132.4	158.6	165.2	234.1	326.0	372.0	326.6	235.8	167.8
95°	461.2	381.6	461.2	540.7	560.6	736.3	970.4	1087.4	918.4	580.4	326.9
97.5°	1105.0	953.6	1105.0	1256.4	1294.3	1405.2	1553.2	1627.2	1345.4	781.8	359.0
100°	1592.1	1411.7	1592.1	1772.5	1817.6	1809.5	1798.7	1793.2	1480.5	855.1	385.9
102.5°	2071.2	1916.7	2071.2	2225.8	2264.4	2123.0	1934.5	1840.2	1523.0	888.6	412.9
105°	2682.1	2599.0	2682.1	2765.2	2786.0	2469.0	2046.4	1835.0	1527.9	913.6	452.9
107.5°	3082.3	3102.4	3082.3	3062.2	3057.1	2615.0	2025.5	1730.7	1459.9	918.3	512.0
110°	3234.8	3321.4	3234.8	3148.3	3126.7	2632.4	1973.4	1643.8	1399.6	911.2	545.0





TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3248.5	3381.4	3248.5	3115.6	3082.4	2576.5	1901.9	1564.7	1347.0	911.6	585.0
115°	3162.3	3346.6	3162.3	2978.1	2932.0	2444.6	1794.8	1469.9	1286.6	919.9	644.9
117.5°	2979.7	3184.1	2979.7	2775.3	2724.2	2284.3	1697.9	1404.7	1248.8	937.0	703.2
120°	2832.5	3031.1	2832.5	2633.9	2584.3	2182.4	1646.5	1378.6	1236.1	951.0	737.1
122.5°	2689.1	2885.1	2689.1	2493.3	2444.3	2082.4	1599.8	1358.6	1229.4	971.0	777.1
125°	2484.7	2665.1	2484.7	2304.3	2259.2	1951.8	1541.9	1336.9	1223.9	997.9	828.4
127.5°	2300.9	2453.0	2300.9	2148.6	2110.6	1846.6	1494.7	1318.7	1220.7	1024.9	878.0
130°	2192.4	2333.1	2192.4	2051.8	2016.6	1781.6	1468.3	1311.7	1222.6	1044.5	911.0
132.5°	2094.1	2220.1	2094.1	1968.2	1936.7	1726.3	1445.8	1305.6	1223.9	1060.4	937.9
135°	1959.4	2067.9	1959.4	1850.8	1823.7	1647.5	1412.6	1295.2	1222.8	1077.9	969.2
137.5°	1851.3	1940.2	1851.3	1762.5	1740.2	1591.3	1392.7	1293.4	1230.3	1104.0	1009.2
140°	1777.2	1860.2	1777.2	1694.1	1673.3	1544.7	1373.2	1287.4	1231.6	1119.9	1036.1
142.5°	1715.7	1787.2	1715.7	1644.2	1626.4	1513.4	1362.7	1287.4	1236.0	1133.2	1056.1
145°	1623.6	1677.6	1623.6	1569.6	1556.0	1463.6	1340.3	1278.7	1236.0	1150.6	1086.6
147.5°	1552.8	1597.7	1552.8	1508.1	1496.8	1424.1	1327.2	1278.7	1244.5	1176.1	1124.8
150°	1508.3	1544.7	1508.3	1472.0	1462.9	1401.5	1319.6	1278.7	1249.0	1189.4	1144.8
152.5°	1470.3	1497.7	1470.3	1442.8	1436.0	1383.6	1313.6	1278.7	1251.9	1198.1	1157.8
155°	1426.5	1444.7	1426.5	1408.4	1403.8	1362.1	1306.5	1278.7	1258.2	1217.3	1186.5
157.5°	1392.0	1404.7	1392.0	1379.2	1376.0	1343.5	1300.3	1278.7	1264.6	1236.3	1215.2
160°	1371.3	1378.6	1371.3	1364.0	1362.1	1334.3	1297.2	1278.7	1267.5	1245.1	1228.3
162.5°	1357.8	1364.8	1357.8	1350.8	1349.1	1325.6	1294.3	1278.7	1270.5	1254.3	1242.1
165°	1338.2	1345.6	1338.2	1330.9	1329.1	1312.2	1289.9	1278.7	1275.0	1267.6	1262.1
167.5°	1324.3	1327.4	1324.3	1321.1	1320.4	1309.3	1294.7	1287.4	1284.3	1278.1	1273.4
170°	1320.4	1320.4	1320.4	1320.4	1320.4	1309.3	1294.7	1287.4	1287.2	1286.8	1286.5
172.5°	1310.1	1307.4	1310.1	1312.8	1313.4	1304.8	1293.2	1287.4	1287.4	1287.4	1287.4
175°	1303.9	1303.9	1303.9	1303.9	1303.9	1298.4	1291.0	1287.4	1289.1	1292.6	1295.2
177.5°	1298.3	1295.2	1298.3	1301.4	1302.1	1297.8	1292.0	1289.1	1290.5	1293.2	1295.2
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5086.8	5058.3	5058.3	5010.9	4991.9	4977.7	4953.9	4882.7	4863.7	4844.8	4873.3
5°	5129.5	5077.3	5039.3	4953.9	4882.7	4854.3	4764.1	4593.2	4479.4	4394.0	4346.6
7.5°	5139.0	5072.6	5001.3	4868.5	4697.6	4621.7	4346.6	4033.3	3947.9	3872.0	3824.5
10°	5129.5	5053.6	4953.9	4754.7	4351.2	4218.4	3943.2	3739.2	3686.9	3672.7	3686.9
12.5°	5096.3	5025.1	4887.5	4555.3	3990.6	3900.5	3739.2	3620.5	3611.0	3634.8	3762.8
15°	5039.3	4972.9	4811.6	4289.6	3791.4	3724.9	3611.0	3568.3	3620.5	3786.6	4170.9
17.5°	4982.4	4906.5	4707.2	4028.6	3639.6	3592.1	3511.4	3596.8	3891.0	4114.0	4242.2
20°	4906.5	4816.3	4588.6	3838.8	3530.4	3487.7	3449.7	3834.1	4057.1	4137.8	4208.9
22.5°	4816.3	4721.4	4427.2	3705.9	3416.5	3383.3	3407.0	3966.9	4057.1	4114.0	4175.7
25°	4697.6	4617.0	4237.4	3601.5	3326.3	3288.4	3378.5	3952.7	4004.8	4019.1	4142.5
27.5°	4588.6	4484.2	4038.1	3506.6	3217.2	3203.0	3402.2	3891.0	3928.9	3943.2	4076.1
30°	4455.7	4299.1	3815.1	3407.0	3103.3	3098.6	3407.0	3815.1	3805.6	3843.5	3976.4
32.5°	4318.1	4023.9	3563.6	3283.6	2994.1	2989.5	3373.8	3701.2	3691.7	3743.9	3843.5
35°	4189.9	3810.3	3221.9	3141.3	2856.6	2861.3	3293.2	3568.3	3573.1	3620.5	3682.2
37.5°	4057.1	3625.3	2847.1	2984.7	2723.7	2723.7	3184.0	3445.0	3435.5	3449.7	3535.2
40°	3900.5	3335.8	2514.9	2780.7	2600.4	2586.1	3051.2	3312.1	3278.9	3274.2	3392.8
42.5°	3734.4	3017.9	2268.2	2510.2	2458.0	2439.0	2889.7	3150.8	3089.1	3103.3	3255.1
45°	3554.1	2932.5	2078.3	2121.0	2310.9	2296.7	2714.2	2965.7	2923.0	2961.0	3117.5
47.5°	3373.8	2761.7	2016.7	1760.4	2154.3	2149.5	2519.7	2785.4	2761.7	2799.6	2965.7
50°	3127.1	2571.8	2012.0	1509.0	1978.7	1997.7	2287.1	2609.8	2609.8	2643.1	2818.6
52.5°	2809.1	2339.4	1826.9	1366.6	1774.6	1831.6	2083.1	2458.0	2467.4	2500.7	2657.3
55°	2519.7	2097.4	1694.0	1257.5	1532.6	1656.0	1883.8	2301.3	2320.4	2353.6	2495.9
57.5°	2254.0	1746.2	1665.6	1129.3	1309.6	1428.3	1708.3	2149.5	2159.1	2187.5	2325.1
60°	1969.2	1262.2	1528.0	991.7	1115.1	1205.3	1546.9	1969.2	2002.4	2021.4	2140.0
62.5°	1646.6	915.8	1385.6	896.9	1020.2	1039.2	1414.0	1798.4	1841.1	1855.3	1926.5
65°	1172.0	768.7	1176.8	816.2	920.6	925.3	1271.7	1622.8	1660.8	1684.5	1736.7
67.5°	792.4	626.3	896.9	740.2	844.6	849.4	1134.1	1418.8	1470.9	1490.0	1523.2
70°	550.4	417.5	664.3	659.5	759.3	768.7	987.0	1233.7	1281.2	1295.4	1314.4
72.5°	403.3	336.9	550.4	593.2	669.1	678.6	835.2	1024.9	1072.4	1086.6	1096.1
75°	308.5	355.8	446.0	517.2	569.4	574.2	683.3	835.2	868.3	877.9	882.5
77.5°	246.8	332.2	327.4	417.5	465.0	455.6	536.2	645.3	673.8	673.8	673.8
80°	185.1	261.0	246.8	298.9	341.6	332.2	384.4	460.2	469.8	479.2	474.6
82.5°	137.6	166.1	166.1	189.8	227.8	218.3	256.2	298.9	298.9	298.9	308.5
85°	85.4	94.9	75.9	99.6	128.1	123.4	142.4	161.3	166.1	166.1	156.6
87.5°	52.2	42.7	23.7	37.9	56.9	56.9	66.5	71.1	66.5	66.5	66.5
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.1	58.7	44.0
92.5°	153.0	93.8	34.8	93.8	153.0	167.8	235.8	326.6	372.0	326.0	234.1
95°	299.9	191.6	83.5	191.6	299.9	326.9	580.4	918.4	1087.4	970.4	736.3
97.5°	335.2	239.8	144.3	239.8	335.2	359.0	781.8	1345.4	1627.2	1553.2	1405.2
100°	364.3	277.8	191.2	277.8	364.3	385.9	855.1	1480.5	1793.2	1798.7	1809.5
102.5°	392.7	312.0	231.2	312.0	392.7	412.9	888.6	1523.0	1840.2	1934.5	2123.0
105°	435.8	367.4	299.0	367.4	435.8	452.9	913.6	1527.9	1835.0	2046.4	2469.0
107.5°	496.0	432.3	368.6	432.3	496.0	512.0	918.3	1459.9	1730.7	2025.5	2615.0
110°	530.6	473.1	415.5	473.1	530.6	545.0	911.2	1399.6	1643.8	1973.4	2632.4



TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	571.3	516.4	461.6	516.4	571.3	585.0	911.6	1347.0	1564.7	1901.9	2576.5
115°	632.3	581.7	531.1	581.7	632.3	644.9	919.9	1286.6	1469.9	1794.8	2444.6
117.5°	691.7	645.8	599.8	645.8	691.7	703.2	937.0	1248.8	1404.7	1697.9	2284.3
120°	726.3	683.1	639.8	683.1	726.3	737.1	951.0	1236.1	1378.6	1646.5	2182.4
122.5°	766.2	722.5	678.9	722.5	766.2	777.1	971.0	1229.4	1358.6	1599.8	2082.4
125°	818.5	778.7	738.9	778.7	818.5	828.4	997.9	1223.9	1336.9	1541.9	1951.8
127.5°	868.0	827.8	787.6	827.8	868.0	878.0	1024.9	1220.7	1318.7	1494.7	1846.6
130°	900.1	856.9	813.7	856.9	900.1	911.0	1044.5	1222.6	1311.7	1468.3	1781.6
132.5°	927.0	883.9	840.6	883.9	927.0	937.9	1060.4	1223.9	1305.6	1445.8	1726.3
135°	959.4	919.9	880.6	919.9	959.4	969.2	1077.9	1222.8	1295.2	1412.6	1647.5
137.5°	999.5	960.4	921.4	960.4	999.5	1009.2	1104.0	1230.3	1293.4	1392.7	1591.3
140°	1027.1	991.2	955.3	991.2	1027.1	1036.1	1119.9	1231.6	1287.4	1373.2	1544.7
142.5°	1047.8	1014.6	981.3	1014.6	1047.8	1056.1	1133.2	1236.0	1287.4	1362.7	1513.4
145°	1079.3	1050.3	1021.4	1050.3	1079.3	1086.6	1150.6	1236.0	1278.7	1340.3	1463.6
147.5°	1117.8	1089.6	1061.4	1089.6	1117.8	1124.8	1176.1	1244.5	1278.7	1327.2	1424.1
150°	1138.5	1113.0	1087.4	1113.0	1138.5	1144.8	1189.4	1249.0	1278.7	1319.6	1401.5
152.5°	1153.0	1133.7	1114.4	1133.7	1153.0	1157.8	1198.1	1251.9	1278.7	1313.6	1383.6
155°	1183.0	1168.7	1154.4	1168.7	1183.0	1186.5	1217.3	1258.2	1278.7	1306.5	1362.1
157.5°	1211.8	1197.8	1183.9	1197.8	1211.8	1215.2	1236.3	1264.6	1278.7	1300.3	1343.5
160°	1225.6	1214.7	1203.9	1214.7	1225.6	1228.3	1245.1	1267.5	1278.7	1297.2	1334.3
162.5°	1240.1	1232.0	1223.9	1232.0	1240.1	1242.1	1254.3	1270.5	1278.7	1294.3	1325.6
165°	1260.3	1253.0	1245.7	1253.0	1260.3	1262.1	1267.6	1275.0	1278.7	1289.9	1312.2
167.5°	1272.6	1269.1	1265.6	1269.1	1272.6	1273.4	1278.1	1284.3	1287.4	1294.7	1309.3
170°	1285.7	1282.1	1278.7	1282.1	1285.7	1286.5	1286.8	1287.2	1287.4	1294.7	1309.3
172.5°	1287.2	1286.3	1285.6	1286.3	1287.2	1287.4	1287.4	1287.4	1287.4	1293.2	1304.8
175°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1292.6	1289.1	1287.4	1291.0	1298.4
177.5°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1293.2	1290.5	1289.1	1292.0	1297.8
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	4840.0	4825.8	4844.8	4792.6	4844.8	4825.8	4840.0	4873.3	4844.8	4863.7	4882.7
5°	4246.9	4223.2	4147.2	4085.6	4147.2	4223.2	4246.9	4346.6	4394.0	4479.4	4593.2
7.5°	3796.1	3777.1	3758.2	3720.2	3758.2	3777.1	3796.1	3824.5	3872.0	3947.9	4033.3
10°	3696.5	3701.2	3729.7	3724.9	3729.7	3701.2	3696.5	3686.9	3672.7	3686.9	3739.2
12.5°	3952.7	3995.4	4152.0	4142.5	4152.0	3995.4	3952.7	3762.8	3634.8	3611.0	3620.5
15°	4246.9	4261.1	4294.3	4299.1	4294.3	4261.1	4246.9	4170.9	3786.6	3620.5	3568.3
17.5°	4275.3	4280.1	4303.9	4303.9	4303.9	4280.1	4275.3	4242.2	4114.0	3891.0	3596.8
20°	4251.6	4261.1	4308.6	4318.1	4308.6	4261.1	4251.6	4208.9	4137.8	4057.1	3834.1
22.5°	4242.2	4261.1	4299.1	4294.3	4299.1	4261.1	4242.2	4175.7	4114.0	4057.1	3966.9
25°	4194.7	4194.7	4199.4	4204.2	4199.4	4194.7	4194.7	4142.5	4019.1	4004.8	3952.7
27.5°	4095.0	4104.6	4133.0	4128.2	4133.0	4104.6	4095.0	4076.1	3943.2	3928.9	3891.0
30°	4004.8	3995.4	3971.7	3952.7	3971.7	3995.4	4004.8	3976.4	3843.5	3805.6	3815.1
32.5°	3853.0	3829.3	3805.6	3791.4	3805.6	3829.3	3853.0	3843.5	3743.9	3691.7	3701.2
35°	3672.7	3677.5	3672.7	3658.5	3672.7	3677.5	3672.7	3682.2	3620.5	3573.1	3568.3
37.5°	3544.6	3554.1	3549.4	3530.4	3549.4	3554.1	3544.6	3535.2	3449.7	3435.5	3445.0
40°	3411.8	3416.5	3411.8	3397.5	3411.8	3416.5	3411.8	3392.8	3274.2	3278.9	3312.1
42.5°	3283.6	3278.9	3264.6	3255.1	3264.6	3278.9	3283.6	3255.1	3103.3	3089.1	3150.8
45°	3136.5	3141.3	3112.8	3098.6	3112.8	3141.3	3136.5	3117.5	2961.0	2923.0	2965.7
47.5°	2989.5	2989.5	2965.7	2951.4	2965.7	2989.5	2989.5	2965.7	2799.6	2761.7	2785.4
50°	2832.8	2828.1	2794.9	2790.1	2794.9	2828.1	2832.8	2818.6	2643.1	2609.8	2609.8
52.5°	2652.5	2652.5	2657.3	2666.7	2657.3	2652.5	2652.5	2657.3	2500.7	2467.4	2458.0
55°	2495.9	2500.7	2533.9	2543.4	2533.9	2500.7	2495.9	2495.9	2353.6	2320.4	2301.3
57.5°	2334.6	2334.6	2358.4	2358.4	2358.4	2334.6	2334.6	2325.1	2187.5	2159.1	2149.5
60°	2149.5	2159.1	2178.1	2173.3	2178.1	2159.1	2149.5	2140.0	2021.4	2002.4	1969.2
62.5°	1955.0	1964.5	1969.2	1959.7	1969.2	1964.5	1955.0	1926.5	1855.3	1841.1	1798.4
65°	1751.0	1760.4	1765.2	1755.7	1765.2	1760.4	1751.0	1736.7	1684.5	1660.8	1622.8
67.5°	1542.2	1537.4	1532.6	1551.6	1532.6	1537.4	1542.2	1523.2	1490.0	1470.9	1418.8
70°	1328.6	1328.6	1323.9	1333.4	1323.9	1328.6	1328.6	1314.4	1295.4	1281.2	1233.7
72.5°	1100.9	1096.1	1115.1	1100.9	1115.1	1096.1	1100.9	1096.1	1086.6	1072.4	1024.9
75°	877.9	887.3	877.9	892.1	877.9	887.3	877.9	882.5	877.9	868.3	835.2
77.5°	669.1	678.6	669.1	669.1	669.1	678.6	669.1	673.8	673.8	673.8	645.3
80°	474.6	469.8	469.8	465.0	469.8	469.8	474.6	474.6	479.2	469.8	460.2
82.5°	303.7	298.9	298.9	308.5	298.9	298.9	303.7	308.5	298.9	298.9	298.9
85°	166.1	170.9	161.3	161.3	161.3	170.9	166.1	156.6	166.1	166.1	161.3
87.5°	61.7	56.9	56.9	56.9	56.9	56.9	61.7	66.5	66.5	66.5	71.1
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.1	56.8
92.5°	165.2	158.6	132.4	106.1	132.4	158.6	165.2	234.1	326.0	372.0	326.6
95°	560.6	540.7	461.2	381.6	461.2	540.7	560.6	736.3	970.4	1087.4	918.4
97.5°	1294.3	1256.4	1105.0	953.6	1105.0	1256.4	1294.3	1405.2	1553.2	1627.2	1345.4
100°	1817.6	1772.5	1592.1	1411.7	1592.1	1772.5	1817.6	1809.5	1798.7	1793.2	1480.5
102.5°	2264.4	2225.8	2071.2	1916.7	2071.2	2225.8	2264.4	2123.0	1934.5	1840.2	1523.0
105°	2786.0	2765.2	2682.1	2599.0	2682.1	2765.2	2786.0	2469.0	2046.4	1835.0	1527.9
107.5°	3057.1	3062.2	3082.3	3102.4	3082.3	3062.2	3057.1	2615.0	2025.5	1730.7	1459.9
110°	3126.7	3148.3	3234.8	3321.4	3234.8	3148.3	3126.7	2632.4	1973.4	1643.8	1399.6



TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3082.4	3115.6	3248.5	3381.4	3248.5	3115.6	3082.4	2576.5	1901.9	1564.7	1347.0
115°	2932.0	2978.1	3162.3	3346.6	3162.3	2978.1	2932.0	2444.6	1794.8	1469.9	1286.6
117.5°	2724.2	2775.3	2979.7	3184.1	2979.7	2775.3	2724.2	2284.3	1697.9	1404.7	1248.8
120°	2584.3	2633.9	2832.5	3031.1	2832.5	2633.9	2584.3	2182.4	1646.5	1378.6	1236.1
122.5°	2444.3	2493.3	2689.1	2885.1	2689.1	2493.3	2444.3	2082.4	1599.8	1358.6	1229.4
125°	2259.2	2304.3	2484.7	2665.1	2484.7	2304.3	2259.2	1951.8	1541.9	1336.9	1223.9
127.5°	2110.6	2148.6	2300.9	2453.0	2300.9	2148.6	2110.6	1846.6	1494.7	1318.7	1220.7
130°	2016.6	2051.8	2192.4	2333.1	2192.4	2051.8	2016.6	1781.6	1468.3	1311.7	1222.6
132.5°	1936.7	1968.2	2094.1	2220.1	2094.1	1968.2	1936.7	1726.3	1445.8	1305.6	1223.9
135°	1823.7	1850.8	1959.4	2067.9	1959.4	1850.8	1823.7	1647.5	1412.6	1295.2	1222.8
137.5°	1740.2	1762.5	1851.3	1940.2	1851.3	1762.5	1740.2	1591.3	1392.7	1293.4	1230.3
140°	1673.3	1694.1	1777.2	1860.2	1777.2	1694.1	1673.3	1544.7	1373.2	1287.4	1231.6
142.5°	1626.4	1644.2	1715.7	1787.2	1715.7	1644.2	1626.4	1513.4	1362.7	1287.4	1236.0
145°	1556.0	1569.6	1623.6	1677.6	1623.6	1569.6	1556.0	1463.6	1340.3	1278.7	1236.0
147.5°	1496.8	1508.1	1552.8	1597.7	1552.8	1508.1	1496.8	1424.1	1327.2	1278.7	1244.5
150°	1462.9	1472.0	1508.3	1544.7	1508.3	1472.0	1462.9	1401.5	1319.6	1278.7	1249.0
152.5°	1436.0	1442.8	1470.3	1497.7	1470.3	1442.8	1436.0	1383.6	1313.6	1278.7	1251.9
155°	1403.8	1408.4	1426.5	1444.7	1426.5	1408.4	1403.8	1362.1	1306.5	1278.7	1258.2
157.5°	1376.0	1379.2	1392.0	1404.7	1392.0	1379.2	1376.0	1343.5	1300.3	1278.7	1264.6
160°	1362.1	1364.0	1371.3	1378.6	1371.3	1364.0	1362.1	1334.3	1297.2	1278.7	1267.5
162.5°	1349.1	1350.8	1357.8	1364.8	1357.8	1350.8	1349.1	1325.6	1294.3	1278.7	1270.5
165°	1329.1	1330.9	1338.2	1345.6	1338.2	1330.9	1329.1	1312.2	1289.9	1278.7	1275.0
167.5°	1320.4	1321.1	1324.3	1327.4	1324.3	1321.1	1320.4	1309.3	1294.7	1287.4	1284.3
170°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1309.3	1294.7	1287.4	1287.2
172.5°	1313.4	1312.8	1310.1	1307.4	1310.1	1312.8	1313.4	1304.8	1293.2	1287.4	1287.4
175°	1303.9	1303.9	1303.9	1303.9	1303.9	1303.9	1303.9	1298.4	1291.0	1287.4	1289.1
177.5°	1302.1	1301.4	1298.3	1295.2	1298.3	1301.4	1302.1	1297.8	1292.0	1289.1	1290.5
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	4953.9	4977.7	4991.9	5010.9	5058.3
5°	4764.1	4854.3	4882.7	4953.9	5039.3
7.5°	4346.6	4621.7	4697.6	4868.5	5001.3
10°	3943.2	4218.4	4351.2	4754.7	4953.9
12.5°	3739.2	3900.5	3990.6	4555.3	4887.5
15°	3611.0	3724.9	3791.4	4289.6	4811.6
17.5°	3511.4	3592.1	3639.6	4028.6	4707.2
20°	3449.7	3487.7	3530.4	3838.8	4588.6
22.5°	3407.0	3383.3	3416.5	3705.9	4427.2
25°	3378.5	3288.4	3326.3	3601.5	4237.4
27.5°	3402.2	3203.0	3217.2	3506.6	4038.1
30°	3407.0	3098.6	3103.3	3407.0	3815.1
32.5°	3373.8	2989.5	2994.1	3283.6	3563.6
35°	3293.2	2861.3	2856.6	3141.3	3221.9
37.5°	3184.0	2723.7	2723.7	2984.7	2847.1
40°	3051.2	2586.1	2600.4	2780.7	2514.9
42.5°	2889.7	2439.0	2458.0	2510.2	2268.2
45°	2714.2	2296.7	2310.9	2121.0	2078.3
47.5°	2519.7	2149.5	2154.3	1760.4	2016.7
50°	2287.1	1997.7	1978.7	1509.0	2012.0
52.5°	2083.1	1831.6	1774.6	1366.6	1826.9
55°	1883.8	1656.0	1532.6	1257.5	1694.0
57.5°	1708.3	1428.3	1309.6	1129.3	1665.6
60°	1546.9	1205.3	1115.1	991.7	1528.0
62.5°	1414.0	1039.2	1020.2	896.9	1385.6
65°	1271.7	925.3	920.6	816.2	1176.8
67.5°	1134.1	849.4	844.6	740.2	896.9
70°	987.0	768.7	759.3	659.5	664.3
72.5°	835.2	678.6	669.1	593.2	550.4
75°	683.3	574.2	569.4	517.2	446.0
77.5°	536.2	455.6	465.0	417.5	327.4
80°	384.4	332.2	341.6	298.9	246.8
82.5°	256.2	218.3	227.8	189.8	166.1
85°	142.4	123.4	128.1	99.6	75.9
87.5°	66.5	56.9	56.9	37.9	23.7
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.8	167.8	153.0	93.8	34.8
95°	580.4	326.9	299.9	191.6	83.5
97.5°	781.8	359.0	335.2	239.8	144.3
100°	855.1	385.9	364.3	277.8	191.2
102.5°	888.6	412.9	392.7	312.0	231.2
105°	913.6	452.9	435.8	367.4	299.0
107.5°	918.3	512.0	496.0	432.3	368.6
110°	911.2	545.0	530.6	473.1	415.5



TEST NUMBER: P934929

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	911.6	585.0	571.3	516.4	461.6
115°	919.9	644.9	632.3	581.7	531.1
117.5°	937.0	703.2	691.7	645.8	599.8
120°	951.0	737.1	726.3	683.1	639.8
122.5°	971.0	777.1	766.2	722.5	678.9
125°	997.9	828.4	818.5	778.7	738.9
127.5°	1024.9	878.0	868.0	827.8	787.6
130°	1044.5	911.0	900.1	856.9	813.7
132.5°	1060.4	937.9	927.0	883.9	840.6
135°	1077.9	969.2	959.4	919.9	880.6
137.5°	1104.0	1009.2	999.5	960.4	921.4
140°	1119.9	1036.1	1027.1	991.2	955.3
142.5°	1133.2	1056.1	1047.8	1014.6	981.3
145°	1150.6	1086.6	1079.3	1050.3	1021.4
147.5°	1176.1	1124.8	1117.8	1089.6	1061.4
150°	1189.4	1144.8	1138.5	1113.0	1087.4
152.5°	1198.1	1157.8	1153.0	1133.7	1114.4
155°	1217.3	1186.5	1183.0	1168.7	1154.4
157.5°	1236.3	1215.2	1211.8	1197.8	1183.9
160°	1245.1	1228.3	1225.6	1214.7	1203.9
162.5°	1254.3	1242.1	1240.1	1232.0	1223.9
165°	1267.6	1262.1	1260.3	1253.0	1245.7
167.5°	1278.1	1273.4	1272.6	1269.1	1265.6
170°	1286.8	1286.5	1285.7	1282.1	1278.7
172.5°	1287.4	1287.4	1287.2	1286.3	1285.6
175°	1292.6	1295.2	1295.2	1295.2	1295.2
177.5°	1293.2	1295.2	1295.2	1295.2	1295.2
180°	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934929  
 CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-5000K

**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	15.28	16.24	16.14	17.12	18.23	18.13	19.09	18.99	19.98	21.08
	3H	15.76	16.63	16.63	17.52	18.65	19.49	20.36	20.36	21.25	22.38
	4H	15.96	16.78	16.84	17.67	18.82	19.94	20.76	20.83	21.66	22.80
	6H	16.08	16.84	16.98	17.74	18.90	20.24	20.99	21.14	21.90	23.05
	8H	16.09	16.81	16.99	17.73	18.88	20.32	21.04	21.23	21.96	23.12
	12H	16.06	16.75	16.97	17.66	18.84	20.36	21.05	21.28	21.96	23.15
4H	2H	16.33	17.15	17.22	18.04	19.19	18.55	19.37	19.44	20.26	21.41
	3H	17.36	18.05	18.27	18.98	20.14	20.07	20.75	20.97	21.68	22.84
	4H	17.64	18.27	18.56	19.19	20.38	20.61	21.23	21.52	22.15	23.34
	6H	17.78	18.31	18.70	19.26	20.45	20.99	21.52	21.91	22.47	23.66
	8H	17.78	18.29	18.72	19.23	20.43	21.10	21.60	22.03	22.54	23.74
	12H	17.76	18.21	18.71	19.17	20.37	21.16	21.62	22.11	22.57	23.78
8H	4H	18.11	18.61	19.04	19.55	20.75	20.74	21.24	21.67	22.18	23.38
	6H	18.38	18.79	19.33	19.77	20.97	21.19	21.60	22.15	22.59	23.78
	8H	18.42	18.79	19.39	19.76	20.98	21.34	21.71	22.31	22.68	23.90
	12H	18.41	18.73	19.38	19.70	20.96	21.45	21.77	22.42	22.74	24.01
12H	4H	18.12	18.57	19.07	19.53	20.74	20.71	21.16	21.66	22.12	23.33
	6H	18.44	18.81	19.41	19.78	21.00	21.18	21.55	22.15	22.53	23.74
	8H	18.51	18.83	19.48	19.80	21.07	21.35	21.68	22.33	22.64	23.91