

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: P934977

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

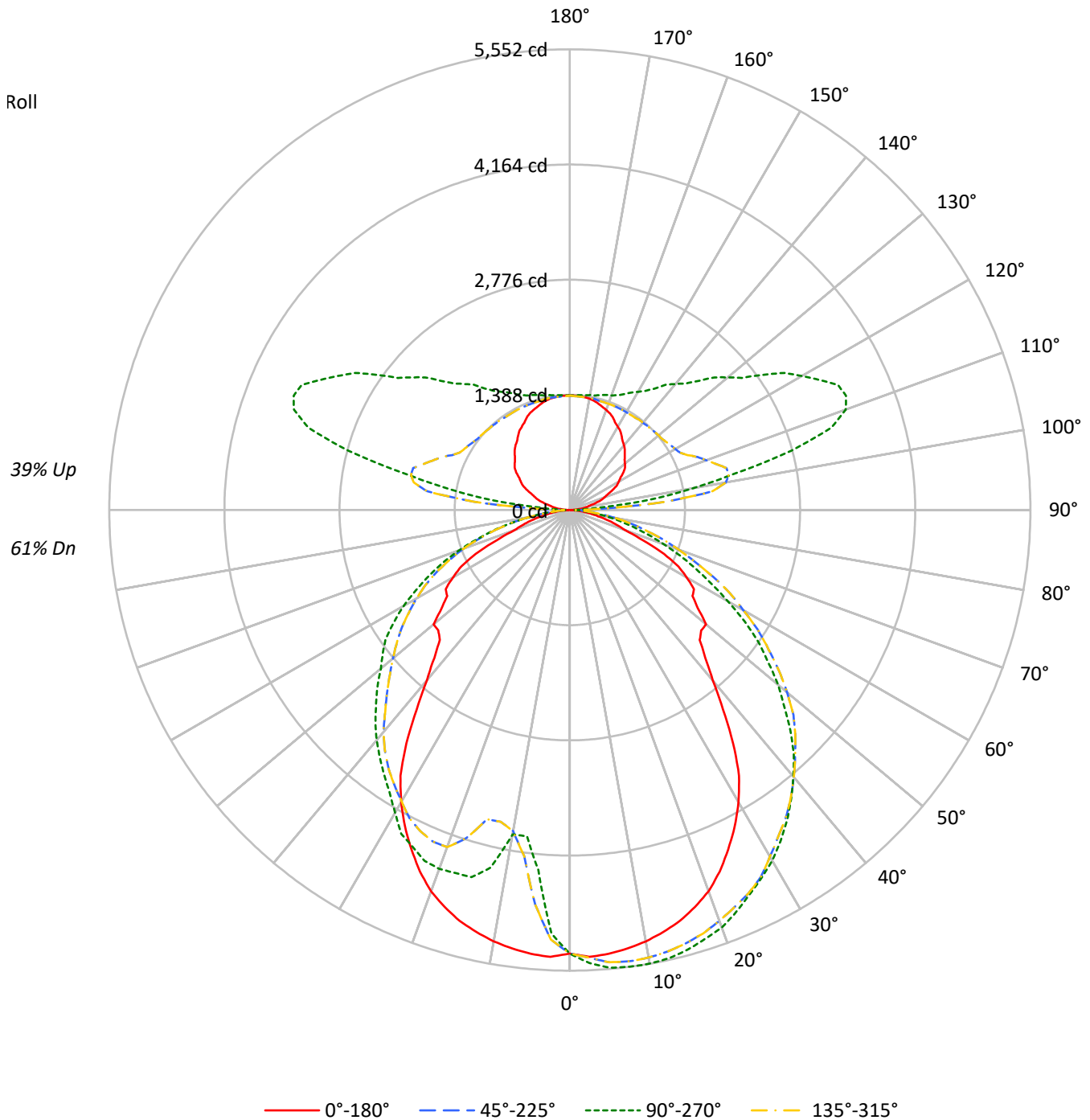
Test Method: LM-79-2019  
Report Number: P934977  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22809.4 lumens  
Efficiency: N/A  
Efficacy: 122.6 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-B2750-1D-UNV-STD-W-12-2700K

### 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°	16531	16531	16531	16531
5°	16660	16687	16660	13121
10°	16555	16438	16555	11752
15°	16381	16082	16381	13428
20°	16046	15660	16046	13456
25°	15350	15044	15350	13171
30°	14450	14533	14450	12546
35°	12888	13887	12888	11857
40°	10745	13127	10745	11337
45°	9607	12236	9607	10739
50°	10215	11174	10215	10140
55°	9620	10030	9620	9793
60°	9929	8519	9929	8969
65°	9017	7042	9017	7871
70°	6259	5612	6259	6598
75°	5509	4148	5509	4968
80°	4472	2743	4472	2986
85°	2621	1453	2621	1235

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14716 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.4	2.1
10°-20°	1369.8	6.0
20°-30°	2117.4	9.3
30°-40°	2527.7	11.1
40°-50°	2542.6	11.1
50°-60°	2212.3	9.7
60°-70°	1568.6	6.9
70°-80°	829.9	3.6
80°-90°	211.9	0.9
90°-100°	672.7	2.9
100°-110°	1768.7	7.8
110°-120°	1833.9	8.0
120°-130°	1471.0	6.4
130°-140°	1154.2	5.1
140°-150°	885.9	3.9
150°-160°	638.0	2.8
160°-170°	390.4	1.7
170°-180°	131.9	0.6
0°-30°	3969.6	17.4
0°-40°	6497.3	28.5
0°-60°	11252.2	49.3
0°-90°	13862.6	60.8
90°-120°	4275.3	18.7
90°-150°	7786.5	34.1
90°-180°	8947.0	39.2
0°-180°	22809.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5344	5344	5344	5344	5344	
5°	5370	5537	5370	4354	5370	509
15°	5127	5486	5127	4581	5127	1443
25°	4515	5117	4515	4480	4515	2073
35°	3433	4566	3433	3898	3433	2124
45°	2215	3762	2215	3302	2215	1774
55°	1805	2776	1805	2710	1805	1659
65°	1254	1674	1254	1871	1254	1199
75°	475	794	475	951	475	500
85°	81	202	81	172	81	109
90°	9	35	9	35	9	11
95°	89	407	89	407	89	99
105°	319	2770	319	2770	319	338
115°	566	3566	566	3566	566	559
125°	787	2840	787	2840	787	699
135°	938	2204	938	2204	938	726
145°	1088	1788	1088	1788	1088	682
155°	1230	1539	1230	1539	1230	565
165°	1327	1434	1327	1434	1327	375
175°	1380	1389	1380	1389	1380	131
180°	1380	1380	1380	1380	1380	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5390.1	5390.1	5420.3	5430.5	5430.5	5415.3	5400.1	5415.3	5460.8	5476.0	5470.9
5°	5369.7	5410.3	5465.8	5476.0	5486.1	5481.0	5470.9	5481.0	5531.6	5541.7	5546.7
7.5°	5329.3	5405.2	5476.0	5491.1	5506.3	5491.1	5486.1	5496.2	5546.7	5556.9	5556.9
10°	5278.8	5385.0	5465.8	5476.0	5491.1	5476.0	5476.0	5496.2	5546.7	5556.9	5562.0
12.5°	5208.0	5354.6	5430.5	5440.6	5460.8	5455.7	5450.7	5470.9	5521.4	5531.6	5531.6
15°	5127.1	5299.0	5369.7	5379.9	5415.3	5405.2	5405.2	5425.4	5481.0	5496.2	5491.1
17.5°	5015.9	5228.2	5309.1	5324.3	5349.5	5344.5	5349.5	5369.7	5420.3	5430.5	5435.5
20°	4889.5	5132.1	5228.2	5243.3	5268.6	5268.6	5268.6	5293.9	5344.5	5364.8	5364.8
22.5°	4717.6	5031.0	5132.1	5142.2	5172.6	5172.6	5182.7	5218.0	5263.6	5268.6	5268.6
25°	4515.3	4919.7	5005.7	5036.1	5066.5	5081.6	5096.7	5117.0	5132.1	5127.1	5132.1
27.5°	4302.9	4778.2	4889.5	4909.7	4950.1	4965.3	4985.5	4990.6	4995.6	5010.8	5000.7
30°	4065.3	4581.0	4747.8	4768.1	4833.8	4843.9	4823.7	4833.8	4859.1	4869.2	4879.3
32.5°	3797.2	4287.8	4601.2	4646.7	4707.4	4677.1	4672.0	4687.2	4727.6	4727.6	4737.8
35°	3433.2	4060.2	4464.7	4505.1	4550.6	4515.3	4535.5	4540.6	4565.9	4581.0	4575.9
37.5°	3033.8	3863.0	4323.1	4353.5	4388.9	4343.4	4373.7	4388.9	4409.1	4398.9	4398.9
40°	2679.8	3554.5	4156.3	4176.5	4206.8	4171.4	4201.8	4211.9	4222.0	4211.9	4206.8
42.5°	2416.9	3215.8	3979.3	4004.6	3984.4	4009.6	4019.8	4040.0	4024.8	4004.6	4004.6
45°	2214.6	3124.8	3787.2	3817.5	3787.2	3827.6	3842.8	3842.8	3797.2	3787.2	3782.1
47.5°	2149.0	2942.8	3595.1	3595.1	3579.8	3630.4	3655.7	3620.3	3574.8	3559.6	3559.6
50°	2143.9	2740.5	3332.1	3311.9	3382.6	3443.4	3418.1	3382.6	3347.3	3291.7	3291.7
52.5°	1946.7	2492.8	2993.3	3069.2	3180.4	3215.8	3175.3	3140.0	3079.2	3054.0	3033.8
55°	1805.1	2234.9	2684.9	2836.6	2952.8	2998.4	2922.6	2887.1	2796.2	2780.9	2770.9
57.5°	1774.8	1860.7	2401.8	2593.9	2735.4	2730.4	2684.9	2619.2	2543.3	2528.1	2523.1
60°	1628.2	1345.0	2098.4	2325.9	2472.6	2457.3	2416.9	2356.2	2285.4	2275.4	2265.2
62.5°	1476.5	975.9	1754.6	2012.4	2219.7	2214.6	2179.2	2088.2	2037.7	2012.4	1992.2
65°	1254.0	819.1	1248.9	1673.7	1972.0	1982.0	1906.2	1840.5	1784.8	1754.6	1749.5
67.5°	955.7	667.4	844.4	1395.5	1734.3	1724.2	1628.2	1597.8	1527.0	1511.8	1481.5
70°	707.9	444.9	586.5	1132.7	1501.7	1476.5	1400.6	1365.2	1299.5	1264.0	1243.8
72.5°	586.5	359.0	429.8	879.8	1264.0	1233.7	1168.0	1127.6	1071.9	1041.6	1021.4
75°	475.3	379.2	328.7	652.3	1026.4	1006.2	945.5	905.1	859.5	819.1	824.2
77.5°	348.9	354.0	262.9	480.4	814.0	783.8	748.3	697.8	677.6	637.1	637.1
80°	262.9	278.1	197.2	328.7	586.5	586.5	556.2	520.8	485.5	465.1	465.1
82.5°	177.0	177.0	146.6	207.3	399.5	384.3	364.0	354.0	333.8	323.6	323.6
85°	80.9	101.1	91.0	126.4	217.4	227.5	227.5	217.4	212.3	202.3	207.3
87.5°	25.3	45.5	55.6	70.8	111.3	116.3	121.3	121.3	121.3	126.4	126.4
90°	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9	35.2	35.2
92.5°	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5	176.0	169.0
95°	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5	597.4	576.2
97.5°	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4	1379.2	1338.8
100°	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2	1936.8	1888.7
102.5°	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2	2412.9	2371.8
105°	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9	2968.7	2946.6
107.5°	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5	3257.6	3263.0
110°	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0	3331.7	3354.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5	3284.5	3319.9
115°	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9	3124.3	3173.4
117.5°	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1	2902.8	2957.3
120°	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5	2753.7	2806.6
122.5°	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0	2604.6	2656.8
125°	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7	2407.3	2455.4
127.5°	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7	2249.0	2289.5
130°	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5	2148.9	2186.3
132.5°	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5	2063.7	2097.3
135°	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5	1943.3	1972.2
137.5°	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7	1854.4	1878.1
140°	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0	1783.0	1805.2
142.5°	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6	1733.0	1752.1
145°	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5	1658.0	1672.5
147.5°	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5	1595.0	1606.9
150°	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4	1558.8	1568.5
152.5°	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3	1530.2	1537.4
155°	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5	1495.9	1500.8
157.5°	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7	1466.2	1469.6
160°	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8	1451.5	1453.5
162.5°	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5	1437.5	1439.4
165°	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3	1416.2	1418.2
167.5°	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2	1406.9	1407.7
170°	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2	1406.9	1406.9
172.5°	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3	1399.6	1398.9
175°	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5	1389.4	1389.4
177.5°	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9	1387.5	1386.7
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5481.0	5465.8	5481.0	5470.9	5476.0	5460.8	5415.3	5400.1	5415.3	5430.5	5430.5
5°	5546.7	5536.7	5546.7	5546.7	5541.7	5531.6	5481.0	5470.9	5481.0	5486.1	5476.0
7.5°	5566.9	5551.8	5566.9	5556.9	5556.9	5546.7	5496.2	5486.1	5491.1	5506.3	5491.1
10°	5566.9	5551.8	5566.9	5562.0	5556.9	5546.7	5496.2	5476.0	5476.0	5491.1	5476.0
12.5°	5541.7	5531.6	5541.7	5531.6	5531.6	5521.4	5470.9	5450.7	5455.7	5460.8	5440.6
15°	5501.2	5486.1	5501.2	5491.1	5496.2	5481.0	5425.4	5405.2	5405.2	5415.3	5379.9
17.5°	5440.6	5420.3	5440.6	5435.5	5430.5	5420.3	5369.7	5349.5	5344.5	5349.5	5324.3
20°	5369.7	5354.6	5369.7	5364.8	5364.8	5344.5	5293.9	5268.6	5268.6	5268.6	5243.3
22.5°	5258.6	5243.3	5258.6	5268.6	5268.6	5263.6	5218.0	5182.7	5172.6	5172.6	5142.2
25°	5132.1	5117.0	5132.1	5132.1	5127.1	5132.1	5117.0	5096.7	5081.6	5066.5	5036.1
27.5°	5010.8	5000.7	5010.8	5000.7	5010.8	4995.6	4990.6	4985.5	4965.3	4950.1	4909.7
30°	4889.5	4879.3	4889.5	4879.3	4869.2	4859.1	4833.8	4823.7	4843.9	4833.8	4768.1
32.5°	4737.8	4727.6	4737.8	4737.8	4727.6	4727.6	4687.2	4672.0	4677.1	4707.4	4646.7
35°	4581.0	4565.9	4581.0	4575.9	4581.0	4565.9	4540.6	4535.5	4515.3	4550.6	4505.1
37.5°	4398.9	4383.8	4398.9	4398.9	4398.9	4409.1	4388.9	4373.7	4343.4	4388.9	4353.5
40°	4211.9	4191.7	4211.9	4206.8	4211.9	4222.0	4211.9	4201.8	4171.4	4206.8	4176.5
42.5°	3999.5	3994.5	3999.5	4004.6	4004.6	4024.8	4040.0	4019.8	4009.6	3984.4	4004.6
45°	3772.0	3761.9	3772.0	3782.1	3787.2	3797.2	3842.8	3842.8	3827.6	3787.2	3817.5
47.5°	3529.3	3504.0	3529.3	3559.6	3559.6	3574.8	3620.3	3655.7	3630.4	3579.8	3595.1
50°	3271.5	3276.4	3271.5	3291.7	3291.7	3347.3	3382.6	3418.1	3443.4	3382.6	3311.9
52.5°	3018.6	3013.6	3018.6	3033.8	3054.0	3079.2	3140.0	3175.3	3215.8	3180.4	3069.2
55°	2765.8	2776.0	2765.8	2770.9	2780.9	2796.2	2887.1	2922.6	2998.4	2952.8	2836.6
57.5°	2513.0	2497.8	2513.0	2523.1	2528.1	2543.3	2619.2	2684.9	2730.4	2735.4	2593.9
60°	2219.7	2199.5	2219.7	2265.2	2275.4	2285.4	2356.2	2416.9	2457.3	2472.6	2325.9
62.5°	1961.8	1926.5	1961.8	1992.2	2012.4	2037.7	2088.2	2179.2	2214.6	2219.7	2012.4
65°	1688.8	1673.7	1688.8	1749.5	1754.6	1784.8	1840.5	1906.2	1982.0	1972.0	1673.7
67.5°	1441.0	1441.0	1441.0	1481.5	1511.8	1527.0	1597.8	1628.2	1724.2	1734.3	1395.5
70°	1213.5	1208.4	1213.5	1243.8	1264.0	1299.5	1365.2	1400.6	1476.5	1501.7	1132.7
72.5°	996.1	991.0	996.1	1021.4	1041.6	1071.9	1127.6	1168.0	1233.7	1264.0	879.8
75°	804.0	793.8	804.0	824.2	819.1	859.5	905.1	945.5	1006.2	1026.4	652.3
77.5°	616.8	616.8	616.8	637.1	637.1	677.6	697.8	748.3	783.8	814.0	480.4
80°	460.2	455.1	460.2	465.1	465.1	485.5	520.8	556.2	586.5	586.5	328.7
82.5°	323.6	313.4	323.6	323.6	323.6	333.8	354.0	364.0	384.3	399.5	207.3
85°	202.3	202.3	202.3	207.3	202.3	212.3	217.4	227.5	227.5	217.4	126.4
87.5°	131.5	126.4	131.5	126.4	126.4	121.3	121.3	121.3	116.3	111.3	70.8
90°	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6	40.7	25.9
92.5°	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0	251.3	178.8
95°	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7	618.4	348.3
97.5°	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6	833.1	382.6
100°	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6	911.1	411.2
102.5°	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9	946.9	439.9
105°	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1	973.5	482.6
107.5°	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7	978.5	545.6
110°	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4	971.0	580.8





TEST NUMBER: P934977

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3	971.4	623.4
115°	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0	980.3	687.2
117.5°	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7	998.5	749.3
120°	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1	1013.3	785.4
122.5°	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0	1034.6	828.1
125°	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2	1063.3	882.8
127.5°	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8	1092.1	935.5
130°	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8	1113.0	970.7
132.5°	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2	1130.0	999.4
135°	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0	1148.6	1032.8
137.5°	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9	1176.4	1075.4
140°	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3	1193.3	1104.1
142.5°	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0	1207.6	1125.4
145°	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0	1226.1	1157.8
147.5°	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1	1253.3	1198.6
150°	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9	1267.4	1219.9
152.5°	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9	1276.7	1233.7
155°	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7	1297.1	1264.3
157.5°	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5	1317.4	1294.9
160°	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6	1326.8	1308.8
162.5°	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9	1336.5	1323.6
165°	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6	1350.8	1344.9
167.5°	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5	1361.9	1357.0
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6	1371.2	1370.9
172.5°	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7	1377.4	1380.2
177.5°	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1	1378.0	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934977

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5420.3	5390.1	5390.1	5339.5	5319.2	5304.1	5278.8	5202.9	5182.7	5162.5	5192.8
5°	5465.8	5410.3	5369.7	5278.8	5202.9	5172.6	5076.5	4894.4	4773.1	4682.1	4631.6
7.5°	5476.0	5405.2	5329.3	5187.8	5005.7	4924.8	4631.6	4297.8	4206.8	4125.9	4075.3
10°	5465.8	5385.0	5278.8	5066.5	4636.6	4495.0	4201.8	3984.4	3928.7	3913.6	3928.7
12.5°	5430.5	5354.6	5208.0	4854.0	4252.3	4156.3	3984.4	3857.9	3847.8	3873.1	4009.6
15°	5369.7	5299.0	5127.1	4570.8	4040.0	3969.2	3847.8	3802.3	3857.9	4034.9	4444.5
17.5°	5309.1	5228.2	5015.9	4292.8	3878.2	3827.6	3741.7	3832.7	4146.1	4383.8	4520.3
20°	5228.2	5132.1	4889.5	4090.6	3761.9	3716.4	3675.9	4085.5	4323.1	4409.1	4484.9
22.5°	5132.1	5031.0	4717.6	3948.9	3640.6	3605.1	3630.4	4227.0	4323.1	4383.8	4449.5
25°	5005.7	4919.7	4515.3	3837.7	3544.5	3504.0	3600.0	4211.9	4267.5	4282.7	4414.2
27.5°	4889.5	4778.2	4302.9	3736.6	3428.1	3413.0	3625.3	4146.1	4186.6	4201.8	4343.4
30°	4747.8	4581.0	4065.3	3630.4	3306.8	3301.7	3630.4	4065.3	4055.1	4095.6	4237.2
32.5°	4601.2	4287.8	3797.2	3498.9	3190.5	3185.5	3595.1	3943.9	3933.8	3989.4	4095.6
35°	4464.7	4060.2	3433.2	3347.3	3043.9	3049.0	3509.1	3802.3	3807.4	3857.9	3923.6
37.5°	4323.1	3863.0	3033.8	3180.4	2902.3	2902.3	3392.8	3670.9	3660.8	3675.9	3767.0
40°	4156.3	3554.5	2679.8	2963.0	2770.9	2755.6	3251.2	3529.3	3493.9	3488.9	3615.3
42.5°	3979.3	3215.8	2416.9	2674.8	2619.2	2599.0	3079.2	3357.4	3291.7	3306.8	3468.6
45°	3787.2	3124.8	2214.6	2260.1	2462.4	2447.3	2892.2	3160.2	3114.7	3155.1	3322.0
47.5°	3595.1	2942.8	2149.0	1875.9	2295.6	2290.5	2684.9	2968.1	2942.8	2983.2	3160.2
50°	3332.1	2740.5	2143.9	1607.9	2108.4	2128.7	2437.1	2780.9	2780.9	2816.4	3003.4
52.5°	2993.3	2492.8	1946.7	1456.3	1891.0	1951.8	2219.7	2619.2	2629.2	2664.7	2831.5
55°	2684.9	2234.9	1805.1	1339.9	1633.1	1764.6	2007.3	2452.3	2472.6	2507.9	2659.6
57.5°	2401.8	1860.7	1774.8	1203.4	1395.5	1522.0	1820.3	2290.5	2300.7	2330.9	2477.6
60°	2098.4	1345.0	1628.2	1056.8	1188.2	1284.3	1648.4	2098.4	2133.7	2153.9	2280.3
62.5°	1754.6	975.9	1476.5	955.7	1087.1	1107.4	1506.7	1916.3	1961.8	1977.0	2052.9
65°	1248.9	819.1	1254.0	869.7	981.0	985.9	1355.1	1729.3	1769.7	1795.0	1850.6
67.5°	844.4	667.4	955.7	788.7	900.0	905.1	1208.4	1511.8	1567.4	1587.7	1623.1
70°	586.5	444.9	707.9	702.8	809.1	819.1	1051.7	1314.6	1365.2	1380.4	1400.6
72.5°	429.8	359.0	586.5	632.1	712.9	723.1	889.9	1092.1	1142.7	1157.8	1168.0
75°	328.7	379.2	475.3	551.1	606.8	611.8	728.1	889.9	925.3	935.4	940.4
77.5°	262.9	354.0	348.9	444.9	495.5	485.5	571.4	687.6	718.0	718.0	718.0
80°	197.2	278.1	262.9	318.5	364.0	354.0	409.6	490.4	500.6	510.6	505.7
82.5°	146.6	177.0	177.0	202.3	242.7	232.6	273.0	318.5	318.5	318.5	328.7
85°	91.0	101.1	80.9	106.2	136.6	131.5	151.7	171.9	177.0	177.0	166.8
87.5°	55.6	45.5	25.3	40.4	60.7	60.7	70.8	75.8	70.8	70.8	70.8
90°	24.0	16.6	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9
92.5°	163.0	100.0	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5
95°	319.5	204.2	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5
97.5°	357.2	255.5	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4
100°	388.2	296.0	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2
102.5°	418.4	332.5	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2
105°	464.3	391.5	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9
107.5°	528.6	460.6	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5
110°	565.4	504.1	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0



TEST NUMBER: P934977

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	608.8	550.3	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5
115°	673.8	619.8	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9
117.5°	737.0	688.1	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1
120°	773.9	727.9	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5
122.5°	816.4	769.9	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0
125°	872.2	829.8	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7
127.5°	924.9	882.1	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7
130°	959.1	913.1	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5
132.5°	987.8	941.8	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5
135°	1022.3	980.3	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5
137.5°	1065.0	1023.4	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7
140°	1094.5	1056.2	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0
142.5°	1116.5	1081.2	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6
145°	1150.1	1119.2	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5
147.5°	1191.1	1161.0	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5
150°	1213.1	1185.9	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4
152.5°	1228.6	1208.0	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3
155°	1260.5	1245.3	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5
157.5°	1291.2	1276.4	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7
160°	1306.0	1294.4	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8
162.5°	1321.4	1312.8	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5
165°	1342.9	1335.1	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3
167.5°	1356.1	1352.3	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2
170°	1370.0	1366.2	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2
172.5°	1371.6	1370.7	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3
175°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5
177.5°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934977  
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5157.4	5142.2	5162.5	5106.9	5162.5	5142.2	5157.4	5192.8	5162.5	5182.7	5202.9
5°	4525.4	4500.1	4419.2	4353.5	4419.2	4500.1	4525.4	4631.6	4682.1	4773.1	4894.4
7.5°	4045.1	4024.8	4004.6	3964.2	4004.6	4024.8	4045.1	4075.3	4125.9	4206.8	4297.8
10°	3938.9	3943.9	3974.2	3969.2	3974.2	3943.9	3938.9	3928.7	3913.6	3928.7	3984.4
12.5°	4211.9	4257.4	4424.2	4414.2	4424.2	4257.4	4211.9	4009.6	3873.1	3847.8	3857.9
15°	4525.4	4540.6	4575.9	4581.0	4575.9	4540.6	4525.4	4444.5	4034.9	3857.9	3802.3
17.5°	4555.7	4560.8	4586.1	4586.1	4586.1	4560.8	4555.7	4520.3	4383.8	4146.1	3832.7
20°	4530.4	4540.6	4591.2	4601.2	4591.2	4540.6	4530.4	4484.9	4409.1	4323.1	4085.5
22.5°	4520.3	4540.6	4581.0	4575.9	4581.0	4540.6	4520.3	4449.5	4383.8	4323.1	4227.0
25°	4469.7	4469.7	4474.8	4479.9	4474.8	4469.7	4469.7	4414.2	4282.7	4267.5	4211.9
27.5°	4363.6	4373.7	4404.0	4398.9	4404.0	4373.7	4363.6	4343.4	4201.8	4186.6	4146.1
30°	4267.5	4257.4	4232.1	4211.9	4232.1	4257.4	4267.5	4237.2	4095.6	4055.1	4065.3
32.5°	4105.7	4080.4	4055.1	4040.0	4055.1	4080.4	4105.7	4095.6	3989.4	3933.8	3943.9
35°	3913.6	3918.7	3913.6	3898.4	3913.6	3918.7	3913.6	3923.6	3857.9	3807.4	3802.3
37.5°	3777.0	3787.2	3782.1	3761.9	3782.1	3787.2	3777.0	3767.0	3675.9	3660.8	3670.9
40°	3635.5	3640.6	3635.5	3620.3	3635.5	3640.6	3635.5	3615.3	3488.9	3493.9	3529.3
42.5°	3498.9	3493.9	3478.7	3468.6	3478.7	3493.9	3498.9	3468.6	3306.8	3291.7	3357.4
45°	3342.2	3347.3	3316.9	3301.7	3316.9	3347.3	3342.2	3322.0	3155.1	3114.7	3160.2
47.5°	3185.5	3185.5	3160.2	3145.0	3160.2	3185.5	3185.5	3160.2	2983.2	2942.8	2968.1
50°	3018.6	3013.6	2978.1	2973.1	2978.1	3013.6	3018.6	3003.4	2816.4	2780.9	2780.9
52.5°	2826.4	2826.4	2831.5	2841.6	2831.5	2826.4	2826.4	2831.5	2664.7	2629.2	2619.2
55°	2659.6	2664.7	2700.1	2710.2	2700.1	2664.7	2659.6	2659.6	2507.9	2472.6	2452.3
57.5°	2487.7	2487.7	2513.0	2513.0	2513.0	2487.7	2487.7	2477.6	2330.9	2300.7	2290.5
60°	2290.5	2300.7	2320.9	2315.8	2320.9	2300.7	2290.5	2280.3	2153.9	2133.7	2098.4
62.5°	2083.2	2093.3	2098.4	2088.2	2098.4	2093.3	2083.2	2052.9	1977.0	1961.8	1916.3
65°	1865.8	1875.9	1880.9	1870.8	1880.9	1875.9	1865.8	1850.6	1795.0	1769.7	1729.3
67.5°	1643.3	1638.2	1633.1	1653.4	1633.1	1638.2	1643.3	1623.1	1587.7	1567.4	1511.8
70°	1415.7	1415.7	1410.7	1420.8	1410.7	1415.7	1415.7	1400.6	1380.4	1365.2	1314.6
72.5°	1173.1	1168.0	1188.2	1173.1	1188.2	1168.0	1173.1	1168.0	1157.8	1142.7	1092.1
75°	935.4	945.5	935.4	950.6	935.4	945.5	935.4	940.4	935.4	925.3	889.9
77.5°	712.9	723.1	712.9	712.9	712.9	723.1	712.9	718.0	718.0	718.0	687.6
80°	505.7	500.6	500.6	495.5	500.6	500.6	505.7	505.7	510.6	500.6	490.4
82.5°	323.6	318.5	318.5	328.7	318.5	318.5	323.6	328.7	318.5	318.5	318.5
85°	177.0	182.1	171.9	171.9	171.9	182.1	177.0	166.8	177.0	177.0	171.9
87.5°	65.7	60.7	60.7	60.7	60.7	60.7	65.7	70.8	70.8	70.8	75.8
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6
92.5°	176.0	169.0	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0
95°	597.4	576.2	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7
97.5°	1379.2	1338.8	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6
100°	1936.8	1888.7	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6
102.5°	2412.9	2371.8	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9
105°	2968.7	2946.6	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1
107.5°	3257.6	3263.0	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7
110°	3331.7	3354.7	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4



TEST NUMBER: P934977

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3284.5	3319.9	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3
115°	3124.3	3173.4	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0
117.5°	2902.8	2957.3	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7
120°	2753.7	2806.6	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1
122.5°	2604.6	2656.8	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0
125°	2407.3	2455.4	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2
127.5°	2249.0	2289.5	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8
130°	2148.9	2186.3	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8
132.5°	2063.7	2097.3	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2
135°	1943.3	1972.2	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0
137.5°	1854.4	1878.1	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9
140°	1783.0	1805.2	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3
142.5°	1733.0	1752.1	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0
145°	1658.0	1672.5	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0
147.5°	1595.0	1606.9	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1
150°	1558.8	1568.5	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9
152.5°	1530.2	1537.4	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9
155°	1495.9	1500.8	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7
157.5°	1466.2	1469.6	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5
160°	1451.5	1453.5	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6
162.5°	1437.5	1439.4	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9
165°	1416.2	1418.2	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6
167.5°	1406.9	1407.7	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6
172.5°	1399.6	1398.9	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7
177.5°	1387.5	1386.7	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934977

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5278.8	5304.1	5319.2	5339.5	5390.1
5°	5076.5	5172.6	5202.9	5278.8	5369.7
7.5°	4631.6	4924.8	5005.7	5187.8	5329.3
10°	4201.8	4495.0	4636.6	5066.5	5278.8
12.5°	3984.4	4156.3	4252.3	4854.0	5208.0
15°	3847.8	3969.2	4040.0	4570.8	5127.1
17.5°	3741.7	3827.6	3878.2	4292.8	5015.9
20°	3675.9	3716.4	3761.9	4090.6	4889.5
22.5°	3630.4	3605.1	3640.6	3948.9	4717.6
25°	3600.0	3504.0	3544.5	3837.7	4515.3
27.5°	3625.3	3413.0	3428.1	3736.6	4302.9
30°	3630.4	3301.7	3306.8	3630.4	4065.3
32.5°	3595.1	3185.5	3190.5	3498.9	3797.2
35°	3509.1	3049.0	3043.9	3347.3	3433.2
37.5°	3392.8	2902.3	2902.3	3180.4	3033.8
40°	3251.2	2755.6	2770.9	2963.0	2679.8
42.5°	3079.2	2599.0	2619.2	2674.8	2416.9
45°	2892.2	2447.3	2462.4	2260.1	2214.6
47.5°	2684.9	2290.5	2295.6	1875.9	2149.0
50°	2437.1	2128.7	2108.4	1607.9	2143.9
52.5°	2219.7	1951.8	1891.0	1456.3	1946.7
55°	2007.3	1764.6	1633.1	1339.9	1805.1
57.5°	1820.3	1522.0	1395.5	1203.4	1774.8
60°	1648.4	1284.3	1188.2	1056.8	1628.2
62.5°	1506.7	1107.4	1087.1	955.7	1476.5
65°	1355.1	985.9	981.0	869.7	1254.0
67.5°	1208.4	905.1	900.0	788.7	955.7
70°	1051.7	819.1	809.1	702.8	707.9
72.5°	889.9	723.1	712.9	632.1	586.5
75°	728.1	611.8	606.8	551.1	475.3
77.5°	571.4	485.5	495.5	444.9	348.9
80°	409.6	354.0	364.0	318.5	262.9
82.5°	273.0	232.6	242.7	202.3	177.0
85°	151.7	131.5	136.6	106.2	80.9
87.5°	70.8	60.7	60.7	40.4	25.3
90°	40.7	25.9	24.0	16.6	9.3
92.5°	251.3	178.8	163.0	100.0	37.1
95°	618.4	348.3	319.5	204.2	88.9
97.5°	833.1	382.6	357.2	255.5	153.8
100°	911.1	411.2	388.2	296.0	203.8
102.5°	946.9	439.9	418.4	332.5	246.4
105°	973.5	482.6	464.3	391.5	318.6
107.5°	978.5	545.6	528.6	460.6	392.7
110°	971.0	580.8	565.4	504.1	442.7



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CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	971.4	623.4	608.8	550.3	491.8
115°	980.3	687.2	673.8	619.8	565.9
117.5°	998.5	749.3	737.0	688.1	639.1
120°	1013.3	785.4	773.9	727.9	681.8
122.5°	1034.6	828.1	816.4	769.9	723.4
125°	1063.3	882.8	872.2	829.8	787.3
127.5°	1092.1	935.5	924.9	882.1	839.2
130°	1113.0	970.7	959.1	913.1	867.0
132.5°	1130.0	999.4	987.8	941.8	895.7
135°	1148.6	1032.8	1022.3	980.3	938.3
137.5°	1176.4	1075.4	1065.0	1023.4	981.9
140°	1193.3	1104.1	1094.5	1056.2	1017.9
142.5°	1207.6	1125.4	1116.5	1081.2	1045.7
145°	1226.1	1157.8	1150.1	1119.2	1088.3
147.5°	1253.3	1198.6	1191.1	1161.0	1131.0
150°	1267.4	1219.9	1213.1	1185.9	1158.7
152.5°	1276.7	1233.7	1228.6	1208.0	1187.4
155°	1297.1	1264.3	1260.5	1245.3	1230.1
157.5°	1317.4	1294.9	1291.2	1276.4	1261.5
160°	1326.8	1308.8	1306.0	1294.4	1282.8
162.5°	1336.5	1323.6	1321.4	1312.8	1304.2
165°	1350.8	1344.9	1342.9	1335.1	1327.4
167.5°	1361.9	1357.0	1356.1	1352.3	1348.6
170°	1371.2	1370.9	1370.0	1366.2	1362.5
172.5°	1371.8	1371.8	1371.6	1370.7	1369.9
175°	1377.4	1380.2	1380.2	1380.2	1380.2
177.5°	1378.0	1380.2	1380.2	1380.2	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934977  
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-2700K

**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	15.50	16.46	16.36	17.35	18.45	18.35	19.32	19.21	20.20	21.30
	3H	15.98	16.85	16.85	17.74	18.87	19.71	20.58	20.58	21.47	22.60
	4H	16.18	17.00	17.07	17.89	19.04	20.16	20.98	21.05	21.88	23.02
	6H	16.30	17.06	17.20	17.96	19.12	20.46	21.21	21.36	22.12	23.27
	8H	16.31	17.03	17.21	17.95	19.10	20.54	21.26	21.45	22.18	23.34
	12H	16.28	16.97	17.19	17.88	19.06	20.58	21.27	21.50	22.18	23.37
4H	2H	16.55	17.37	17.44	18.26	19.41	18.77	19.59	19.66	20.49	21.63
	3H	17.59	18.27	18.49	19.20	20.36	20.29	20.97	21.20	21.90	23.06
	4H	17.87	18.49	18.78	19.41	20.60	20.83	21.45	21.74	22.37	23.56
	6H	18.00	18.53	18.93	19.48	20.67	21.21	21.74	22.13	22.69	23.88
	8H	18.00	18.51	18.94	19.45	20.65	21.32	21.82	22.25	22.76	23.96
	12H	17.98	18.43	18.93	19.39	20.59	21.38	21.84	22.33	22.80	24.00
8H	4H	18.33	18.83	19.26	19.77	20.97	20.96	21.46	21.89	22.40	23.61
	6H	18.60	19.01	19.55	20.00	21.19	21.41	21.82	22.37	22.81	24.01
	8H	18.64	19.01	19.61	19.98	21.20	21.56	21.93	22.53	22.90	24.12
	12H	18.63	18.95	19.60	19.92	21.18	21.67	21.99	22.64	22.96	24.23
12H	4H	18.34	18.80	19.29	19.75	20.96	20.93	21.38	21.88	22.34	23.55
	6H	18.66	19.03	19.63	20.00	21.22	21.41	21.77	22.37	22.75	23.96
	8H	18.73	19.05	19.70	20.02	21.29	21.58	21.90	22.55	22.86	24.13