

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: P934553

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

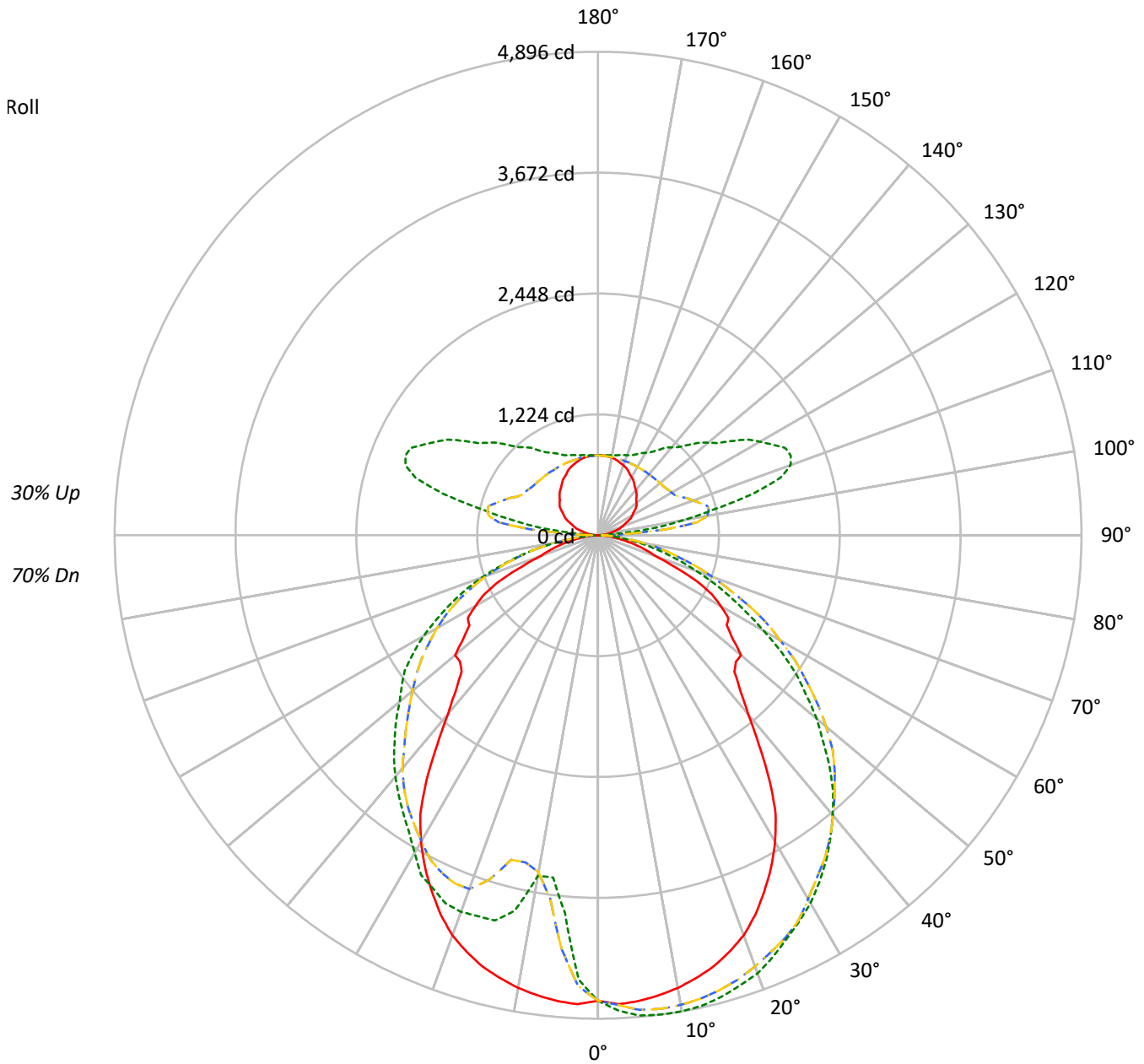
Test Method: LM-79-2019  
Report Number: P934553  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17468.5 lumens  
Efficiency: N/A  
Efficacy: 104.0 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): 168  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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-050U-125D-93050-1D-UNV-STD-W-12-3000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	70													
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	63	63	63	59													
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	53	50													
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	45	42													
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	39	36													
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	34	31													
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	30	27													
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	27	24													
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	24	24	24	22													
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	21	19													
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	19	18													

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

	0°	90°	180°	270°
0°	14578	14578	14578	14578
5°	14692	14715	14692	11571
10°	14599	14495	14599	10363
15°	14445	14181	14445	11842
20°	14149	13809	14149	11866
25°	13536	13267	13536	11615
30°	12742	12816	12742	11063
35°	11365	12246	11365	10456
40°	9476	11575	9476	9997
45°	8472	10790	8472	9470
50°	9008	9854	9008	8941
55°	8482	8845	8482	8635
60°	8756	7512	8756	7909
65°	7951	6210	7951	6941
70°	5519	4949	5519	5818
75°	4857	3658	4857	4381
80°	3944	2418	3944	2634
85°	2310	1281	2310	1089

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12977 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.4	2.4
10°-20°	1207.9	6.9
20°-30°	1867.2	10.7
30°-40°	2229.0	12.8
40°-50°	2242.1	12.8
50°-60°	1950.9	11.2
60°-70°	1383.2	7.9
70°-80°	731.8	4.2
80°-90°	185.3	1.1
90°-100°	394.4	2.3
100°-110°	1037.0	5.9
110°-120°	1075.3	6.2
120°-130°	862.5	4.9
130°-140°	676.7	3.9
140°-150°	519.4	3.0
150°-160°	374.1	2.1
160°-170°	228.9	1.3
170°-180°	77.3	0.4
0°-30°	3500.5	20.0
0°-40°	5729.5	32.8
0°-60°	9922.5	56.8
0°-90°	12222.9	70.0
90°-120°	2506.7	14.3
90°-150°	4565.3	26.1
90°-180°	5246.0	30.0
0°-180°	17468.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4713	4713	4713	4713	4713	
5°	4735	4882	4735	3839	4735	449
15°	4521	4838	4521	4040	4521	1272
25°	3982	4512	3982	3950	3982	1828
35°	3028	4026	3028	3438	3028	1873
45°	1953	3317	1953	2912	1953	1564
55°	1592	2448	1592	2390	1592	1463
65°	1106	1476	1106	1650	1106	1057
75°	419	700	419	838	419	441
85°	71	178	71	152	71	96
90°	5	21	5	21	5	8
95°	52	238	52	238	52	58
105°	187	1624	187	1624	187	198
115°	332	2091	332	2091	332	328
125°	462	1665	462	1665	462	410
135°	550	1292	550	1292	550	426
145°	638	1048	638	1048	638	400
155°	721	903	721	903	721	331
165°	778	841	778	841	778	220
175°	809	815	809	815	809	77
180°	809	809	809	809	809	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4753.1	4753.1	4779.8	4788.8	4788.8	4775.3	4762.0	4775.3	4815.5	4828.9	4824.4
5°	4735.2	4770.9	4819.9	4828.9	4837.8	4833.3	4824.4	4833.3	4877.9	4886.9	4891.3
7.5°	4699.5	4766.5	4828.9	4842.2	4855.6	4842.2	4837.8	4846.7	4891.3	4900.2	4900.2
10°	4655.0	4748.6	4819.9	4828.9	4842.2	4828.9	4828.9	4846.7	4891.3	4900.2	4904.7
12.5°	4592.5	4721.8	4788.8	4797.6	4815.5	4811.0	4806.6	4824.4	4868.9	4877.9	4877.9
15°	4521.2	4672.8	4735.2	4744.1	4775.3	4766.5	4766.5	4784.3	4833.3	4846.7	4842.2
17.5°	4423.1	4610.4	4681.7	4695.1	4717.4	4713.0	4717.4	4735.2	4779.8	4788.8	4793.2
20°	4311.7	4525.6	4610.4	4623.7	4646.0	4646.0	4646.0	4668.3	4713.0	4730.8	4730.8
22.5°	4160.1	4436.5	4525.6	4534.6	4561.4	4561.4	4570.2	4601.4	4641.6	4646.0	4646.0
25°	3981.7	4338.4	4414.2	4441.0	4467.7	4481.1	4494.4	4512.3	4525.6	4521.2	4525.6
27.5°	3794.4	4213.6	4311.7	4329.5	4365.2	4378.5	4396.3	4400.8	4405.3	4418.6	4409.8
30°	3584.9	4039.7	4186.8	4204.6	4262.6	4271.5	4253.7	4262.6	4284.9	4293.8	4302.7
32.5°	3348.5	3781.1	4057.5	4097.6	4151.1	4124.4	4119.9	4133.3	4168.9	4168.9	4177.9
35°	3027.5	3580.4	3937.1	3972.7	4012.9	3981.7	3999.5	4004.0	4026.3	4039.7	4035.2
37.5°	2675.3	3406.5	3812.3	3839.1	3870.2	3830.1	3856.9	3870.2	3888.1	3879.1	3879.1
40°	2363.2	3134.5	3665.2	3683.0	3709.7	3678.5	3705.3	3714.2	3723.1	3714.2	3709.7
42.5°	2131.3	2835.8	3509.1	3531.4	3513.6	3535.8	3544.7	3562.6	3549.2	3531.4	3531.4
45°	1952.9	2755.5	3339.7	3366.4	3339.7	3375.3	3388.7	3388.7	3348.5	3339.7	3335.2
47.5°	1895.0	2595.0	3170.2	3170.2	3156.8	3201.4	3223.7	3192.4	3152.4	3139.0	3139.0
50°	1890.5	2416.6	2938.4	2920.5	2982.9	3036.5	3014.2	2982.9	2951.7	2902.7	2902.7
52.5°	1716.6	2198.2	2639.6	2706.5	2804.6	2835.8	2800.1	2768.9	2715.4	2693.1	2675.3
55°	1591.7	1970.8	2367.6	2501.4	2603.9	2644.0	2577.2	2545.9	2465.7	2452.3	2443.4
57.5°	1565.0	1640.8	2117.9	2287.4	2412.2	2407.8	2367.6	2309.7	2242.7	2229.4	2224.9
60°	1435.8	1186.1	1850.4	2051.0	2180.4	2166.9	2131.3	2077.8	2015.3	2006.5	1997.5
62.5°	1302.0	860.6	1547.2	1774.6	1957.4	1952.9	1921.7	1841.4	1796.9	1774.6	1756.8
65°	1105.8	722.3	1101.3	1475.9	1738.9	1747.8	1681.0	1623.0	1573.9	1547.2	1542.7
67.5°	842.7	588.5	744.6	1230.6	1529.4	1520.4	1435.8	1409.0	1346.5	1333.2	1306.4
70°	624.2	392.3	517.2	998.8	1324.2	1302.0	1235.1	1203.9	1145.9	1114.7	1096.8
72.5°	517.2	316.5	379.0	775.8	1114.7	1088.0	1030.0	994.3	945.2	918.5	900.7
75°	419.1	334.4	289.8	575.2	905.1	887.3	833.8	798.1	758.0	722.3	726.8
77.5°	307.7	312.1	231.9	423.6	717.8	691.1	659.9	615.3	597.5	561.8	561.8
80°	231.9	245.2	173.9	289.8	517.2	517.2	490.4	459.3	428.1	410.2	410.2
82.5°	156.1	156.1	129.3	182.8	352.3	338.8	321.0	312.1	294.3	285.4	285.4
85°	71.3	89.1	80.3	111.5	191.7	200.6	200.6	191.7	187.3	178.4	182.8
87.5°	22.3	40.1	49.0	62.4	98.1	102.6	107.0	107.0	107.0	111.5	111.5
90°	5.4	9.7	14.1	15.2	23.9	35.5	41.3	36.7	27.5	20.6	20.6
92.5°	21.7	58.6	95.6	104.8	147.3	204.0	232.4	203.7	146.2	103.2	99.1
95°	52.2	119.7	187.3	204.2	362.6	573.8	679.4	606.2	460.0	350.3	337.8
97.5°	90.1	149.8	209.4	224.3	488.4	840.5	1016.6	970.4	877.9	808.7	785.0
100°	119.4	173.6	227.6	241.1	534.2	924.9	1120.4	1123.7	1130.5	1135.6	1107.4
102.5°	144.5	194.9	245.3	258.0	555.2	951.6	1149.7	1208.5	1326.3	1414.7	1390.5
105°	186.8	229.5	272.2	282.9	570.7	954.5	1146.4	1278.5	1542.5	1740.5	1727.5
107.5°	230.3	270.1	310.0	319.9	573.7	912.1	1081.3	1265.5	1633.8	1910.0	1913.2
110°	259.6	295.5	331.6	340.5	569.3	874.4	1027.0	1232.9	1644.6	1953.4	1967.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	288.3	322.6	356.9	365.5	569.5	841.5	977.5	1188.3	1609.7	1925.8	1946.5
115°	331.8	363.4	395.1	403.0	574.8	803.8	918.4	1121.3	1527.3	1831.8	1860.6
117.5°	374.7	403.4	432.1	439.3	585.4	780.2	877.6	1060.8	1427.2	1702.0	1733.9
120°	399.7	426.8	453.7	460.5	594.1	772.3	861.3	1028.8	1363.5	1614.6	1645.6
122.5°	424.1	451.4	478.7	485.5	606.6	768.1	848.8	999.5	1301.0	1527.1	1557.7
125°	461.6	486.5	511.3	517.6	623.5	764.6	835.3	963.3	1219.3	1411.4	1439.6
127.5°	492.0	517.1	542.3	548.5	640.3	762.6	823.8	933.8	1153.6	1318.6	1342.4
130°	508.4	535.4	562.4	569.1	652.6	763.9	819.5	917.4	1113.2	1259.9	1281.9
132.5°	525.1	552.2	579.2	586.0	662.6	764.6	815.7	903.3	1078.6	1209.9	1229.6
135°	550.2	574.8	599.4	605.5	673.4	763.9	809.2	882.6	1029.4	1139.4	1156.4
137.5°	575.6	600.1	624.5	630.5	689.7	768.7	808.1	870.1	994.2	1087.2	1101.1
140°	596.8	619.3	641.7	647.3	699.7	769.4	804.3	857.8	965.1	1045.4	1058.4
142.5°	613.1	633.9	654.7	659.9	708.0	772.2	804.3	851.3	945.5	1016.1	1027.3
145°	638.1	656.2	674.3	678.8	718.9	772.2	798.9	837.4	914.4	972.1	980.5
147.5°	663.1	680.7	698.3	702.7	734.8	777.6	798.9	829.2	889.8	935.2	942.2
150°	679.4	695.3	711.2	715.2	743.1	780.3	798.9	824.5	875.6	914.0	919.7
152.5°	696.2	708.3	720.4	723.4	748.6	782.1	798.9	820.8	864.4	897.2	901.5
155°	721.2	730.1	739.1	741.3	760.5	786.1	798.9	816.3	851.0	877.1	879.9
157.5°	739.7	748.4	757.0	759.2	772.5	790.1	798.9	812.4	839.4	859.7	861.7
160°	752.2	758.9	765.7	767.4	777.9	791.9	798.9	810.5	833.6	851.0	852.1
162.5°	764.6	769.7	774.8	776.1	783.7	793.8	798.9	808.7	828.2	842.8	843.9
165°	778.3	782.8	787.4	788.5	792.0	796.6	798.9	805.9	819.9	830.3	831.5
167.5°	790.7	792.8	795.0	795.6	798.5	802.3	804.3	808.8	818.0	824.9	825.4
170°	798.9	801.0	803.2	803.7	803.9	804.2	804.3	808.8	818.0	824.9	824.9
172.5°	803.2	803.6	804.2	804.3	804.3	804.3	804.3	807.9	815.2	820.6	820.2
175°	809.2	809.2	809.2	809.2	807.5	805.3	804.3	806.5	811.2	814.6	814.6
177.5°	809.2	809.2	809.2	809.2	807.9	806.3	805.4	807.2	810.8	813.6	813.0
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4833.3	4819.9	4833.3	4824.4	4828.9	4815.5	4775.3	4762.0	4775.3	4788.8	4788.8
5°	4891.3	4882.4	4891.3	4891.3	4886.9	4877.9	4833.3	4824.4	4833.3	4837.8	4828.9
7.5°	4909.1	4895.7	4909.1	4900.2	4900.2	4891.3	4846.7	4837.8	4842.2	4855.6	4842.2
10°	4909.1	4895.7	4909.1	4904.7	4900.2	4891.3	4846.7	4828.9	4828.9	4842.2	4828.9
12.5°	4886.9	4877.9	4886.9	4877.9	4877.9	4868.9	4824.4	4806.6	4811.0	4815.5	4797.6
15°	4851.1	4837.8	4851.1	4842.2	4846.7	4833.3	4784.3	4766.5	4766.5	4775.3	4744.1
17.5°	4797.6	4779.8	4797.6	4793.2	4788.8	4779.8	4735.2	4717.4	4713.0	4717.4	4695.1
20°	4735.2	4721.8	4735.2	4730.8	4730.8	4713.0	4668.3	4646.0	4646.0	4646.0	4623.7
22.5°	4637.2	4623.7	4637.2	4646.0	4646.0	4641.6	4601.4	4570.2	4561.4	4561.4	4534.6
25°	4525.6	4512.3	4525.6	4525.6	4521.2	4525.6	4512.3	4494.4	4481.1	4467.7	4441.0
27.5°	4418.6	4409.8	4418.6	4409.8	4418.6	4405.3	4400.8	4396.3	4378.5	4365.2	4329.5
30°	4311.7	4302.7	4311.7	4302.7	4293.8	4284.9	4262.6	4253.7	4271.5	4262.6	4204.6
32.5°	4177.9	4168.9	4177.9	4177.9	4168.9	4168.9	4133.3	4119.9	4124.4	4151.1	4097.6
35°	4039.7	4026.3	4039.7	4035.2	4039.7	4026.3	4004.0	3999.5	3981.7	4012.9	3972.7
37.5°	3879.1	3865.8	3879.1	3879.1	3879.1	3888.1	3870.2	3856.9	3830.1	3870.2	3839.1
40°	3714.2	3696.3	3714.2	3709.7	3714.2	3723.1	3714.2	3705.3	3678.5	3709.7	3683.0
42.5°	3526.9	3522.4	3526.9	3531.4	3531.4	3549.2	3562.6	3544.7	3535.8	3513.6	3531.4
45°	3326.2	3317.3	3326.2	3335.2	3339.7	3348.5	3388.7	3388.7	3375.3	3339.7	3366.4
47.5°	3112.3	3090.0	3112.3	3139.0	3139.0	3152.4	3192.4	3223.7	3201.4	3156.8	3170.2
50°	2884.9	2889.3	2884.9	2902.7	2902.7	2951.7	2982.9	3014.2	3036.5	2982.9	2920.5
52.5°	2661.9	2657.5	2661.9	2675.3	2693.1	2715.4	2768.9	2800.1	2835.8	2804.6	2706.5
55°	2439.0	2447.9	2439.0	2443.4	2452.3	2465.7	2545.9	2577.2	2644.0	2603.9	2501.4
57.5°	2216.0	2202.6	2216.0	2224.9	2229.4	2242.7	2309.7	2367.6	2407.8	2412.2	2287.4
60°	1957.4	1939.6	1957.4	1997.5	2006.5	2015.3	2077.8	2131.3	2166.9	2180.4	2051.0
62.5°	1730.0	1698.8	1730.0	1756.8	1774.6	1796.9	1841.4	1921.7	1952.9	1957.4	1774.6
65°	1489.2	1475.9	1489.2	1542.7	1547.2	1573.9	1623.0	1681.0	1747.8	1738.9	1475.9
67.5°	1270.7	1270.7	1270.7	1306.4	1333.2	1346.5	1409.0	1435.8	1520.4	1529.4	1230.6
70°	1070.1	1065.6	1070.1	1096.8	1114.7	1145.9	1203.9	1235.1	1302.0	1324.2	998.8
72.5°	878.4	873.9	878.4	900.7	918.5	945.2	994.3	1030.0	1088.0	1114.7	775.8
75°	709.0	700.0	709.0	726.8	722.3	758.0	798.1	833.8	887.3	905.1	575.2
77.5°	543.9	543.9	543.9	561.8	561.8	597.5	615.3	659.9	691.1	717.8	423.6
80°	405.8	401.3	405.8	410.2	410.2	428.1	459.3	490.4	517.2	517.2	289.8
82.5°	285.4	276.4	285.4	285.4	285.4	294.3	312.1	321.0	338.8	352.3	182.8
85°	178.4	178.4	178.4	182.8	178.4	187.3	191.7	200.6	200.6	191.7	111.5
87.5°	115.9	111.5	115.9	111.5	111.5	107.0	107.0	107.0	102.6	98.1	62.4
90°	20.6	20.6	20.6	20.6	20.6	27.5	36.7	41.3	35.5	23.9	15.2
92.5°	82.6	66.2	82.6	99.1	103.2	146.2	203.7	232.4	204.0	147.3	104.8
95°	288.1	238.4	288.1	337.8	350.3	460.0	606.2	679.4	573.8	362.6	204.2
97.5°	690.3	595.8	690.3	785.0	808.7	877.9	970.4	1016.6	840.5	488.4	224.3
100°	994.7	882.0	994.7	1107.4	1135.6	1130.5	1123.7	1120.4	924.9	534.2	241.1
102.5°	1294.0	1197.5	1294.0	1390.5	1414.7	1326.3	1208.5	1149.7	951.6	555.2	258.0
105°	1675.7	1623.8	1675.7	1727.5	1740.5	1542.5	1278.5	1146.4	954.5	570.7	282.9
107.5°	1925.7	1938.2	1925.7	1913.2	1910.0	1633.8	1265.5	1081.3	912.1	573.7	319.9
110°	2021.0	2075.1	2021.0	1967.0	1953.4	1644.6	1232.9	1027.0	874.4	569.3	340.5





TEST NUMBER: P934553

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2029.6	2112.6	2029.6	1946.5	1925.8	1609.7	1188.3	977.5	841.5	569.5	365.5
115°	1975.7	2090.9	1975.7	1860.6	1831.8	1527.3	1121.3	918.4	803.8	574.8	403.0
117.5°	1861.6	1989.3	1861.6	1733.9	1702.0	1427.2	1060.8	877.6	780.2	585.4	439.3
120°	1769.7	1893.7	1769.7	1645.6	1614.6	1363.5	1028.8	861.3	772.3	594.1	460.5
122.5°	1680.1	1802.4	1680.1	1557.7	1527.1	1301.0	999.5	848.8	768.1	606.6	485.5
125°	1552.3	1665.1	1552.3	1439.6	1411.4	1219.3	963.3	835.3	764.6	623.5	517.6
127.5°	1437.4	1532.5	1437.4	1342.4	1318.6	1153.6	933.8	823.8	762.6	640.3	548.5
130°	1369.8	1457.6	1369.8	1281.9	1259.9	1113.2	917.4	819.5	763.9	652.6	569.1
132.5°	1308.3	1387.0	1308.3	1229.6	1209.9	1078.6	903.3	815.7	764.6	662.6	586.0
135°	1224.2	1292.0	1224.2	1156.4	1139.4	1029.4	882.6	809.2	763.9	673.4	605.5
137.5°	1156.6	1212.1	1156.6	1101.1	1087.2	994.2	870.1	808.1	768.7	689.7	630.5
140°	1110.3	1162.2	1110.3	1058.4	1045.4	965.1	857.8	804.3	769.4	699.7	647.3
142.5°	1072.0	1116.6	1072.0	1027.3	1016.1	945.5	851.3	804.3	772.2	708.0	659.9
145°	1014.3	1048.2	1014.3	980.5	972.1	914.4	837.4	798.9	772.2	718.9	678.8
147.5°	970.2	998.2	970.2	942.2	935.2	889.8	829.2	798.9	777.6	734.8	702.7
150°	942.3	965.1	942.3	919.7	914.0	875.6	824.5	798.9	780.3	743.1	715.2
152.5°	918.6	935.7	918.6	901.5	897.2	864.4	820.8	798.9	782.1	748.6	723.4
155°	891.3	902.6	891.3	879.9	877.1	851.0	816.3	798.9	786.1	760.5	741.3
157.5°	869.6	877.6	869.6	861.7	859.7	839.4	812.4	798.9	790.1	772.5	759.2
160°	856.8	861.3	856.8	852.1	851.0	833.6	810.5	798.9	791.9	777.9	767.4
162.5°	848.3	852.7	848.3	843.9	842.8	828.2	808.7	798.9	793.8	783.7	776.1
165°	836.1	840.7	836.1	831.5	830.3	819.9	805.9	798.9	796.6	792.0	788.5
167.5°	827.4	829.3	827.4	825.4	824.9	818.0	808.8	804.3	802.3	798.5	795.6
170°	824.9	824.9	824.9	824.9	824.9	818.0	808.8	804.3	804.2	803.9	803.7
172.5°	818.5	816.8	818.5	820.2	820.6	815.2	807.9	804.3	804.3	804.3	804.3
175°	814.6	814.6	814.6	814.6	814.6	811.2	806.5	804.3	805.3	807.5	809.2
177.5°	811.1	809.2	811.1	813.0	813.6	810.8	807.2	805.4	806.3	807.9	809.2
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934553

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4779.8	4753.1	4753.1	4708.5	4690.7	4677.3	4655.0	4588.1	4570.2	4552.4	4579.2
5°	4819.9	4770.9	4735.2	4655.0	4588.1	4561.4	4476.6	4316.1	4209.1	4128.8	4084.3
7.5°	4828.9	4766.5	4699.5	4574.7	4414.2	4342.8	4084.3	3790.0	3709.7	3638.4	3593.7
10°	4819.9	4748.6	4655.0	4467.7	4088.7	3963.9	3705.3	3513.6	3464.5	3451.1	3464.5
12.5°	4788.8	4721.8	4592.5	4280.4	3749.8	3665.2	3513.6	3402.0	3393.1	3415.4	3535.8
15°	4735.2	4672.8	4521.2	4030.7	3562.6	3500.1	3393.1	3353.0	3402.0	3558.1	3919.2
17.5°	4681.7	4610.4	4423.1	3785.5	3419.9	3375.3	3299.5	3379.8	3656.2	3865.8	3986.2
20°	4610.4	4525.6	4311.7	3607.2	3317.3	3277.2	3241.5	3602.7	3812.3	3888.1	3954.9
22.5°	4525.6	4436.5	4160.1	3482.3	3210.4	3179.1	3201.4	3727.5	3812.3	3865.8	3923.7
25°	4414.2	4338.4	3981.7	3384.2	3125.6	3090.0	3174.6	3714.2	3763.2	3776.6	3892.5
27.5°	4311.7	4213.6	3794.4	3295.0	3023.0	3009.7	3196.9	3656.2	3691.9	3705.3	3830.1
30°	4186.8	4039.7	3584.9	3201.4	2916.0	2911.6	3201.4	3584.9	3575.9	3611.6	3736.5
32.5°	4057.5	3781.1	3348.5	3085.5	2813.5	2809.1	3170.2	3477.8	3468.9	3517.9	3611.6
35°	3937.1	3580.4	3027.5	2951.7	2684.2	2688.7	3094.4	3353.0	3357.5	3402.0	3460.0
37.5°	3812.3	3406.5	2675.3	2804.6	2559.4	2559.4	2991.8	3237.1	3228.2	3241.5	3321.8
40°	3665.2	3134.5	2363.2	2612.9	2443.4	2430.0	2867.0	3112.3	3081.0	3076.6	3188.1
42.5°	3509.1	2835.8	2131.3	2358.7	2309.7	2291.8	2715.4	2960.7	2902.7	2916.0	3058.7
45°	3339.7	2755.5	1952.9	1993.0	2171.4	2158.1	2550.4	2786.8	2746.6	2782.3	2929.4
47.5°	3170.2	2595.0	1895.0	1654.2	2024.3	2019.8	2367.6	2617.3	2595.0	2630.7	2786.8
50°	2938.4	2416.6	1890.5	1417.9	1859.3	1877.1	2149.1	2452.3	2452.3	2483.6	2648.5
52.5°	2639.6	2198.2	1716.6	1284.2	1667.5	1721.1	1957.4	2309.7	2318.5	2349.8	2496.9
55°	2367.6	1970.8	1591.7	1181.6	1440.2	1556.1	1770.1	2162.5	2180.4	2211.6	2345.3
57.5°	2117.9	1640.8	1565.0	1061.2	1230.6	1342.1	1605.2	2019.8	2028.8	2055.5	2184.8
60°	1850.4	1186.1	1435.8	931.9	1047.8	1132.6	1453.6	1850.4	1881.6	1899.4	2010.9
62.5°	1547.2	860.6	1302.0	842.7	958.7	976.5	1328.7	1689.9	1730.0	1743.3	1810.3
65°	1101.3	722.3	1105.8	766.9	865.0	869.4	1194.9	1524.9	1560.6	1582.9	1631.9
67.5°	744.6	588.5	842.7	695.5	793.6	798.1	1065.6	1333.2	1382.2	1400.1	1431.3
70°	517.2	392.3	624.2	619.7	713.4	722.3	927.4	1159.3	1203.9	1217.2	1235.1
72.5°	379.0	316.5	517.2	557.4	628.7	637.6	784.8	963.1	1007.7	1021.0	1030.0
75°	289.8	334.4	419.1	486.0	535.1	539.5	642.0	784.8	815.9	824.9	829.3
77.5°	231.9	312.1	307.7	392.3	437.0	428.1	503.9	606.4	633.2	633.2	633.2
80°	173.9	245.2	231.9	280.9	321.0	312.1	361.2	432.5	441.4	450.3	445.9
82.5°	129.3	156.1	156.1	178.4	214.0	205.1	240.7	280.9	280.9	280.9	289.8
85°	80.3	89.1	71.3	93.6	120.4	115.9	133.8	151.6	156.1	156.1	147.1
87.5°	49.0	40.1	22.3	35.7	53.5	53.5	62.4	66.8	62.4	62.4	62.4
90°	14.1	9.7	5.4	9.7	14.1	15.2	23.9	35.5	41.3	36.7	27.5
92.5°	95.6	58.6	21.7	58.6	95.6	104.8	147.3	204.0	232.4	203.7	146.2
95°	187.3	119.7	52.2	119.7	187.3	204.2	362.6	573.8	679.4	606.2	460.0
97.5°	209.4	149.8	90.1	149.8	209.4	224.3	488.4	840.5	1016.6	970.4	877.9
100°	227.6	173.6	119.4	173.6	227.6	241.1	534.2	924.9	1120.4	1123.7	1130.5
102.5°	245.3	194.9	144.5	194.9	245.3	258.0	555.2	951.6	1149.7	1208.5	1326.3
105°	272.2	229.5	186.8	229.5	272.2	282.9	570.7	954.5	1146.4	1278.5	1542.5
107.5°	310.0	270.1	230.3	270.1	310.0	319.9	573.7	912.1	1081.3	1265.5	1633.8
110°	331.6	295.5	259.6	295.5	331.6	340.5	569.3	874.4	1027.0	1232.9	1644.6



TEST NUMBER: P934553

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	356.9	322.6	288.3	322.6	356.9	365.5	569.5	841.5	977.5	1188.3	1609.7
115°	395.1	363.4	331.8	363.4	395.1	403.0	574.8	803.8	918.4	1121.3	1527.3
117.5°	432.1	403.4	374.7	403.4	432.1	439.3	585.4	780.2	877.6	1060.8	1427.2
120°	453.7	426.8	399.7	426.8	453.7	460.5	594.1	772.3	861.3	1028.8	1363.5
122.5°	478.7	451.4	424.1	451.4	478.7	485.5	606.6	768.1	848.8	999.5	1301.0
125°	511.3	486.5	461.6	486.5	511.3	517.6	623.5	764.6	835.3	963.3	1219.3
127.5°	542.3	517.1	492.0	517.1	542.3	548.5	640.3	762.6	823.8	933.8	1153.6
130°	562.4	535.4	508.4	535.4	562.4	569.1	652.6	763.9	819.5	917.4	1113.2
132.5°	579.2	552.2	525.1	552.2	579.2	586.0	662.6	764.6	815.7	903.3	1078.6
135°	599.4	574.8	550.2	574.8	599.4	605.5	673.4	763.9	809.2	882.6	1029.4
137.5°	624.5	600.1	575.6	600.1	624.5	630.5	689.7	768.7	808.1	870.1	994.2
140°	641.7	619.3	596.8	619.3	641.7	647.3	699.7	769.4	804.3	857.8	965.1
142.5°	654.7	633.9	613.1	633.9	654.7	659.9	708.0	772.2	804.3	851.3	945.5
145°	674.3	656.2	638.1	656.2	674.3	678.8	718.9	772.2	798.9	837.4	914.4
147.5°	698.3	680.7	663.1	680.7	698.3	702.7	734.8	777.6	798.9	829.2	889.8
150°	711.2	695.3	679.4	695.3	711.2	715.2	743.1	780.3	798.9	824.5	875.6
152.5°	720.4	708.3	696.2	708.3	720.4	723.4	748.6	782.1	798.9	820.8	864.4
155°	739.1	730.1	721.2	730.1	739.1	741.3	760.5	786.1	798.9	816.3	851.0
157.5°	757.0	748.4	739.7	748.4	757.0	759.2	772.5	790.1	798.9	812.4	839.4
160°	765.7	758.9	752.2	758.9	765.7	767.4	777.9	791.9	798.9	810.5	833.6
162.5°	774.8	769.7	764.6	769.7	774.8	776.1	783.7	793.8	798.9	808.7	828.2
165°	787.4	782.8	778.3	782.8	787.4	788.5	792.0	796.6	798.9	805.9	819.9
167.5°	795.0	792.8	790.7	792.8	795.0	795.6	798.5	802.3	804.3	808.8	818.0
170°	803.2	801.0	798.9	801.0	803.2	803.7	803.9	804.2	804.3	808.8	818.0
172.5°	804.2	803.6	803.2	803.6	804.2	804.3	804.3	804.3	804.3	807.9	815.2
175°	809.2	809.2	809.2	809.2	809.2	809.2	807.5	805.3	804.3	806.5	811.2
177.5°	809.2	809.2	809.2	809.2	809.2	809.2	807.9	806.3	805.4	807.2	810.8
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934553  
 CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4547.9	4534.6	4552.4	4503.4	4552.4	4534.6	4547.9	4579.2	4552.4	4570.2	4588.1
5°	3990.6	3968.3	3896.9	3839.1	3896.9	3968.3	3990.6	4084.3	4128.8	4209.1	4316.1
7.5°	3567.0	3549.2	3531.4	3495.7	3531.4	3549.2	3567.0	3593.7	3638.4	3709.7	3790.0
10°	3473.4	3477.8	3504.6	3500.1	3504.6	3477.8	3473.4	3464.5	3451.1	3464.5	3513.6
12.5°	3714.2	3754.3	3901.4	3892.5	3901.4	3754.3	3714.2	3535.8	3415.4	3393.1	3402.0
15°	3990.6	4004.0	4035.2	4039.7	4035.2	4004.0	3990.6	3919.2	3558.1	3402.0	3353.0
17.5°	4017.3	4021.8	4044.1	4044.1	4044.1	4021.8	4017.3	3986.2	3865.8	3656.2	3379.8
20°	3995.0	4004.0	4048.6	4057.5	4048.6	4004.0	3995.0	3954.9	3888.1	3812.3	3602.7
22.5°	3986.2	4004.0	4039.7	4035.2	4039.7	4004.0	3986.2	3923.7	3865.8	3812.3	3727.5
25°	3941.6	3941.6	3946.0	3950.5	3946.0	3941.6	3941.6	3892.5	3776.6	3763.2	3714.2
27.5°	3847.9	3856.9	3883.6	3879.1	3883.6	3856.9	3847.9	3830.1	3705.3	3691.9	3656.2
30°	3763.2	3754.3	3732.0	3714.2	3732.0	3754.3	3763.2	3736.5	3611.6	3575.9	3584.9
32.5°	3620.5	3598.2	3575.9	3562.6	3575.9	3598.2	3620.5	3611.6	3517.9	3468.9	3477.8
35°	3451.1	3455.6	3451.1	3437.8	3451.1	3455.6	3451.1	3460.0	3402.0	3357.5	3353.0
37.5°	3330.7	3339.7	3335.2	3317.3	3335.2	3339.7	3330.7	3321.8	3241.5	3228.2	3237.1
40°	3205.9	3210.4	3205.9	3192.4	3205.9	3210.4	3205.9	3188.1	3076.6	3081.0	3112.3
42.5°	3085.5	3081.0	3067.6	3058.7	3067.6	3081.0	3085.5	3058.7	2916.0	2902.7	2960.7
45°	2947.2	2951.7	2924.9	2911.6	2924.9	2951.7	2947.2	2929.4	2782.3	2746.6	2786.8
47.5°	2809.1	2809.1	2786.8	2773.3	2786.8	2809.1	2809.1	2786.8	2630.7	2595.0	2617.3
50°	2661.9	2657.5	2626.2	2621.7	2626.2	2657.5	2661.9	2648.5	2483.6	2452.3	2452.3
52.5°	2492.4	2492.4	2496.9	2505.8	2496.9	2492.4	2492.4	2496.9	2349.8	2318.5	2309.7
55°	2345.3	2349.8	2381.0	2389.9	2381.0	2349.8	2345.3	2345.3	2211.6	2180.4	2162.5
57.5°	2193.7	2193.7	2216.0	2216.0	2216.0	2193.7	2193.7	2184.8	2055.5	2028.8	2019.8
60°	2019.8	2028.8	2046.6	2042.1	2046.6	2028.8	2019.8	2010.9	1899.4	1881.6	1850.4
62.5°	1837.1	1845.9	1850.4	1841.4	1850.4	1845.9	1837.1	1810.3	1743.3	1730.0	1689.9
65°	1645.3	1654.2	1658.7	1649.7	1658.7	1654.2	1645.3	1631.9	1582.9	1560.6	1524.9
67.5°	1449.1	1444.6	1440.2	1458.0	1440.2	1444.6	1449.1	1431.3	1400.1	1382.2	1333.2
70°	1248.4	1248.4	1244.0	1252.9	1244.0	1248.4	1248.4	1235.1	1217.2	1203.9	1159.3
72.5°	1034.5	1030.0	1047.8	1034.5	1047.8	1030.0	1034.5	1030.0	1021.0	1007.7	963.1
75°	824.9	833.8	824.9	838.3	824.9	833.8	824.9	829.3	824.9	815.9	784.8
77.5°	628.7	637.6	628.7	628.7	628.7	637.6	628.7	633.2	633.2	633.2	606.4
80°	445.9	441.4	441.4	437.0	441.4	441.4	445.9	445.9	450.3	441.4	432.5
82.5°	285.4	280.9	280.9	289.8	280.9	280.9	285.4	289.8	280.9	280.9	280.9
85°	156.1	160.6	151.6	151.6	151.6	160.6	156.1	147.1	156.1	156.1	151.6
87.5°	58.0	53.5	53.5	53.5	53.5	53.5	58.0	62.4	62.4	62.4	66.8
90°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	27.5	36.7	41.3	35.5
92.5°	103.2	99.1	82.6	66.2	82.6	99.1	103.2	146.2	203.7	232.4	204.0
95°	350.3	337.8	288.1	238.4	288.1	337.8	350.3	460.0	606.2	679.4	573.8
97.5°	808.7	785.0	690.3	595.8	690.3	785.0	808.7	877.9	970.4	1016.6	840.5
100°	1135.6	1107.4	994.7	882.0	994.7	1107.4	1135.6	1130.5	1123.7	1120.4	924.9
102.5°	1414.7	1390.5	1294.0	1197.5	1294.0	1390.5	1414.7	1326.3	1208.5	1149.7	951.6
105°	1740.5	1727.5	1675.7	1623.8	1675.7	1727.5	1740.5	1542.5	1278.5	1146.4	954.5
107.5°	1910.0	1913.2	1925.7	1938.2	1925.7	1913.2	1910.0	1633.8	1265.5	1081.3	912.1
110°	1953.4	1967.0	2021.0	2075.1	2021.0	1967.0	1953.4	1644.6	1232.9	1027.0	874.4



TEST NUMBER: P934553

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1925.8	1946.5	2029.6	2112.6	2029.6	1946.5	1925.8	1609.7	1188.3	977.5	841.5
115°	1831.8	1860.6	1975.7	2090.9	1975.7	1860.6	1831.8	1527.3	1121.3	918.4	803.8
117.5°	1702.0	1733.9	1861.6	1989.3	1861.6	1733.9	1702.0	1427.2	1060.8	877.6	780.2
120°	1614.6	1645.6	1769.7	1893.7	1769.7	1645.6	1614.6	1363.5	1028.8	861.3	772.3
122.5°	1527.1	1557.7	1680.1	1802.4	1680.1	1557.7	1527.1	1301.0	999.5	848.8	768.1
125°	1411.4	1439.6	1552.3	1665.1	1552.3	1439.6	1411.4	1219.3	963.3	835.3	764.6
127.5°	1318.6	1342.4	1437.4	1532.5	1437.4	1342.4	1318.6	1153.6	933.8	823.8	762.6
130°	1259.9	1281.9	1369.8	1457.6	1369.8	1281.9	1259.9	1113.2	917.4	819.5	763.9
132.5°	1209.9	1229.6	1308.3	1387.0	1308.3	1229.6	1209.9	1078.6	903.3	815.7	764.6
135°	1139.4	1156.4	1224.2	1292.0	1224.2	1156.4	1139.4	1029.4	882.6	809.2	763.9
137.5°	1087.2	1101.1	1156.6	1212.1	1156.6	1101.1	1087.2	994.2	870.1	808.1	768.7
140°	1045.4	1058.4	1110.3	1162.2	1110.3	1058.4	1045.4	965.1	857.8	804.3	769.4
142.5°	1016.1	1027.3	1072.0	1116.6	1072.0	1027.3	1016.1	945.5	851.3	804.3	772.2
145°	972.1	980.5	1014.3	1048.2	1014.3	980.5	972.1	914.4	837.4	798.9	772.2
147.5°	935.2	942.2	970.2	998.2	970.2	942.2	935.2	889.8	829.2	798.9	777.6
150°	914.0	919.7	942.3	965.1	942.3	919.7	914.0	875.6	824.5	798.9	780.3
152.5°	897.2	901.5	918.6	935.7	918.6	901.5	897.2	864.4	820.8	798.9	782.1
155°	877.1	879.9	891.3	902.6	891.3	879.9	877.1	851.0	816.3	798.9	786.1
157.5°	859.7	861.7	869.6	877.6	869.6	861.7	859.7	839.4	812.4	798.9	790.1
160°	851.0	852.1	856.8	861.3	856.8	852.1	851.0	833.6	810.5	798.9	791.9
162.5°	842.8	843.9	848.3	852.7	848.3	843.9	842.8	828.2	808.7	798.9	793.8
165°	830.3	831.5	836.1	840.7	836.1	831.5	830.3	819.9	805.9	798.9	796.6
167.5°	824.9	825.4	827.4	829.3	827.4	825.4	824.9	818.0	808.8	804.3	802.3
170°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	818.0	808.8	804.3	804.2
172.5°	820.6	820.2	818.5	816.8	818.5	820.2	820.6	815.2	807.9	804.3	804.3
175°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	811.2	806.5	804.3	805.3
177.5°	813.6	813.0	811.1	809.2	811.1	813.0	813.6	810.8	807.2	805.4	806.3
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934553

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4655.0	4677.3	4690.7	4708.5	4753.1
5°	4476.6	4561.4	4588.1	4655.0	4735.2
7.5°	4084.3	4342.8	4414.2	4574.7	4699.5
10°	3705.3	3963.9	4088.7	4467.7	4655.0
12.5°	3513.6	3665.2	3749.8	4280.4	4592.5
15°	3393.1	3500.1	3562.6	4030.7	4521.2
17.5°	3299.5	3375.3	3419.9	3785.5	4423.1
20°	3241.5	3277.2	3317.3	3607.2	4311.7
22.5°	3201.4	3179.1	3210.4	3482.3	4160.1
25°	3174.6	3090.0	3125.6	3384.2	3981.7
27.5°	3196.9	3009.7	3023.0	3295.0	3794.4
30°	3201.4	2911.6	2916.0	3201.4	3584.9
32.5°	3170.2	2809.1	2813.5	3085.5	3348.5
35°	3094.4	2688.7	2684.2	2951.7	3027.5
37.5°	2991.8	2559.4	2559.4	2804.6	2675.3
40°	2867.0	2430.0	2443.4	2612.9	2363.2
42.5°	2715.4	2291.8	2309.7	2358.7	2131.3
45°	2550.4	2158.1	2171.4	1993.0	1952.9
47.5°	2367.6	2019.8	2024.3	1654.2	1895.0
50°	2149.1	1877.1	1859.3	1417.9	1890.5
52.5°	1957.4	1721.1	1667.5	1284.2	1716.6
55°	1770.1	1556.1	1440.2	1181.6	1591.7
57.5°	1605.2	1342.1	1230.6	1061.2	1565.0
60°	1453.6	1132.6	1047.8	931.9	1435.8
62.5°	1328.7	976.5	958.7	842.7	1302.0
65°	1194.9	869.4	865.0	766.9	1105.8
67.5°	1065.6	798.1	793.6	695.5	842.7
70°	927.4	722.3	713.4	619.7	624.2
72.5°	784.8	637.6	628.7	557.4	517.2
75°	642.0	539.5	535.1	486.0	419.1
77.5°	503.9	428.1	437.0	392.3	307.7
80°	361.2	312.1	321.0	280.9	231.9
82.5°	240.7	205.1	214.0	178.4	156.1
85°	133.8	115.9	120.4	93.6	71.3
87.5°	62.4	53.5	53.5	35.7	22.3
90°	23.9	15.2	14.1	9.7	5.4
92.5°	147.3	104.8	95.6	58.6	21.7
95°	362.6	204.2	187.3	119.7	52.2
97.5°	488.4	224.3	209.4	149.8	90.1
100°	534.2	241.1	227.6	173.6	119.4
102.5°	555.2	258.0	245.3	194.9	144.5
105°	570.7	282.9	272.2	229.5	186.8
107.5°	573.7	319.9	310.0	270.1	230.3
110°	569.3	340.5	331.6	295.5	259.6



TEST NUMBER: P934553

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	569.5	365.5	356.9	322.6	288.3
115°	574.8	403.0	395.1	363.4	331.8
117.5°	585.4	439.3	432.1	403.4	374.7
120°	594.1	460.5	453.7	426.8	399.7
122.5°	606.6	485.5	478.7	451.4	424.1
125°	623.5	517.6	511.3	486.5	461.6
127.5°	640.3	548.5	542.3	517.1	492.0
130°	652.6	569.1	562.4	535.4	508.4
132.5°	662.6	586.0	579.2	552.2	525.1
135°	673.4	605.5	599.4	574.8	550.2
137.5°	689.7	630.5	624.5	600.1	575.6
140°	699.7	647.3	641.7	619.3	596.8
142.5°	708.0	659.9	654.7	633.9	613.1
145°	718.9	678.8	674.3	656.2	638.1
147.5°	734.8	702.7	698.3	680.7	663.1
150°	743.1	715.2	711.2	695.3	679.4
152.5°	748.6	723.4	720.4	708.3	696.2
155°	760.5	741.3	739.1	730.1	721.2
157.5°	772.5	759.2	757.0	748.4	739.7
160°	777.9	767.4	765.7	758.9	752.2
162.5°	783.7	776.1	774.8	769.7	764.6
165°	792.0	788.5	787.4	782.8	778.3
167.5°	798.5	795.6	795.0	792.8	790.7
170°	803.9	803.7	803.2	801.0	798.9
172.5°	804.3	804.3	804.2	803.6	803.2
175°	807.5	809.2	809.2	809.2	809.2
177.5°	807.9	809.2	809.2	809.2	809.2
180°	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934553  
 CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-12-3000K

**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	15.79	16.86	16.55	17.65	18.60	18.64	19.71	19.40	20.50	21.46
	3H	16.28	17.25	17.06	18.04	19.03	20.01	20.97	20.79	21.77	22.75
	4H	16.48	17.39	17.28	18.20	19.19	20.47	21.38	21.26	22.18	23.18
	6H	16.61	17.45	17.42	18.27	19.27	20.77	21.61	21.58	22.42	23.43
	8H	16.62	17.42	17.44	18.25	19.26	20.85	21.65	21.67	22.48	23.49
	12H	16.60	17.36	17.42	18.19	19.22	20.90	21.66	21.72	22.49	23.53
4H	2H	16.85	17.76	17.65	18.57	19.56	19.07	19.98	19.87	20.79	21.79
	3H	17.90	18.66	18.71	19.50	20.51	20.61	21.36	21.42	22.20	23.22
	4H	18.18	18.87	19.01	19.71	20.75	21.15	21.84	21.97	22.68	23.72
	6H	18.32	18.92	19.16	19.78	20.82	21.53	22.13	22.37	22.99	24.03
	8H	18.33	18.89	19.18	19.75	20.80	21.64	22.20	22.49	23.06	24.12
	12H	18.31	18.81	19.17	19.69	20.75	21.72	22.22	22.58	23.10	24.16
8H	4H	18.66	19.22	19.50	20.07	21.13	21.29	21.85	22.13	22.70	23.76
	6H	18.93	19.39	19.80	20.29	21.35	21.74	22.20	22.61	23.10	24.16
	8H	18.97	19.38	19.86	20.28	21.35	21.90	22.31	22.78	23.20	24.28
	12H	18.97	19.33	19.85	20.21	21.34	22.01	22.37	22.90	23.26	24.38
12H	4H	18.67	19.18	19.54	20.05	21.12	21.26	21.76	22.13	22.64	23.71
	6H	18.99	19.40	19.88	20.30	21.37	21.74	22.15	22.62	23.04	24.12
	8H	19.07	19.43	19.96	20.32	21.44	21.91	22.27	22.80	23.16	24.29