

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: P934548

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

**Test Information**

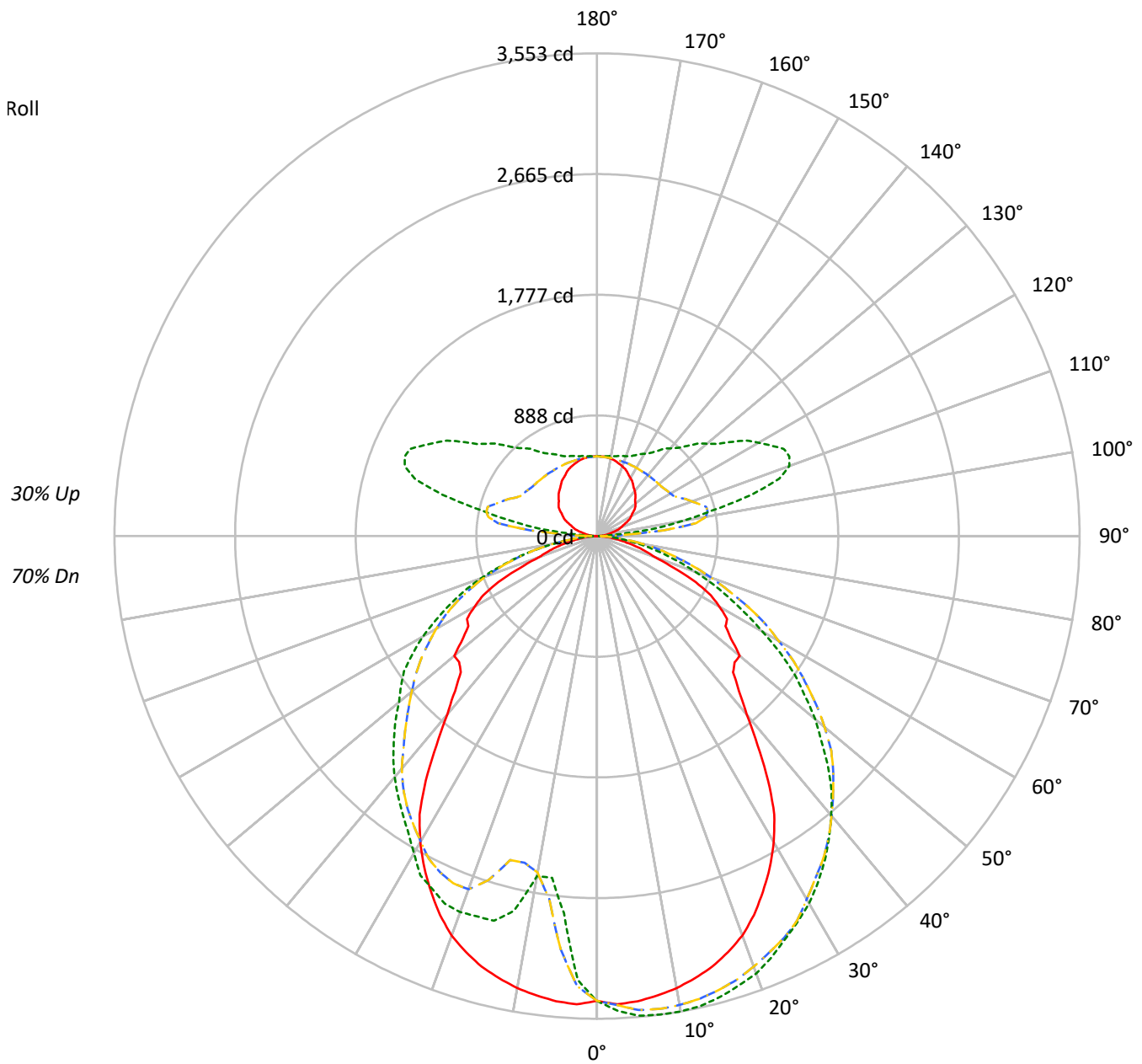
Test Method: LM-79-2019  
Report Number: P934548  
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12678.2 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 112  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P934548  
CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

### Luminous Intensity Polar Plot



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



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

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

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

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15988	16020	15988	12597
10°	15881	15780	15881	11282
15°	15709	15438	15709	12892
20°	15380	15033	15380	12918
25°	14708	14443	14708	12644
30°	13839	13952	13839	12044
35°	12337	13332	12337	11383
40°	10280	12602	10280	10884
45°	9185	11747	9185	10310
50°	9758	10727	9758	9734
55°	9181	9629	9181	9401
60°	9464	8178	9464	8610
65°	8580	6760	8580	7556
70°	5941	5387	5941	6334
75°	5210	3982	5210	4768
80°	4199	2633	4199	2867
85°	2408	1395	2408	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14078 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.8	2.4
10°-20°	876.6	6.9
20°-30°	1355.1	10.7
30°-40°	1617.8	12.8
40°-50°	1627.2	12.8
50°-60°	1415.9	11.2
60°-70°	1003.9	7.9
70°-80°	531.1	4.2
80°-90°	134.5	1.1
90°-100°	286.3	2.3
100°-110°	752.6	5.9
110°-120°	780.4	6.2
120°-130°	626.0	4.9
130°-140°	491.2	3.9
140°-150°	377.0	3.0
150°-160°	271.5	2.1
160°-170°	166.1	1.3
170°-180°	56.1	0.4
0°-30°	2540.5	20.0
0°-40°	4158.3	32.8
0°-60°	7201.4	56.8
0°-90°	8870.9	70.0
90°-120°	1819.3	14.4
90°-150°	3313.5	26.1
90°-180°	3807.0	30.0
0°-180°	12678.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3437	3544	3437	2786	3437	326
15°	3281	3511	3281	2932	3281	923
25°	2890	3275	2890	2867	2890	1327
35°	2197	2922	2197	2495	2197	1359
45°	1417	2408	1417	2113	1417	1135
55°	1155	1777	1155	1734	1155	1062
65°	802	1071	802	1197	802	767
75°	304	508	304	608	304	320
85°	52	130	52	110	52	70
90°	4	15	4	15	4	5
95°	38	173	38	173	38	42
105°	136	1178	136	1178	136	144
115°	241	1518	241	1518	241	238
125°	335	1208	335	1208	335	297
135°	399	938	399	938	399	309
145°	463	761	463	761	463	290
155°	523	655	523	655	523	240
165°	565	610	565	610	565	159
175°	587	591	587	591	587	56
180°	587	587	587	587	587	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3449.6	3449.6	3469.0	3475.5	3475.5	3465.8	3456.1	3465.8	3494.9	3504.6	3501.4
5°	3436.7	3462.6	3498.1	3504.6	3511.0	3507.9	3501.4	3507.9	3540.2	3546.7	3550.0
7.5°	3410.7	3459.3	3504.6	3514.3	3524.0	3514.3	3511.0	3517.5	3550.0	3556.4	3556.4
10°	3378.4	3446.4	3498.1	3504.6	3514.3	3504.6	3504.6	3517.5	3550.0	3556.4	3559.6
12.5°	3333.1	3426.9	3475.5	3482.0	3494.9	3491.6	3488.5	3501.4	3533.7	3540.2	3540.2
15°	3281.4	3391.3	3436.7	3443.2	3465.8	3459.3	3459.3	3472.2	3507.9	3517.5	3514.3
17.5°	3210.1	3346.0	3397.8	3407.5	3423.7	3420.5	3423.7	3436.7	3469.0	3475.5	3478.7
20°	3129.2	3284.5	3346.0	3355.8	3371.9	3371.9	3371.9	3388.1	3420.5	3433.4	3433.4
22.5°	3019.2	3219.9	3284.5	3291.0	3310.4	3310.4	3316.9	3339.6	3368.7	3371.9	3371.9
25°	2889.8	3148.6	3203.6	3223.0	3242.5	3252.2	3262.0	3274.9	3284.5	3281.4	3284.5
27.5°	2753.8	3058.0	3129.2	3142.1	3168.1	3177.8	3190.7	3194.0	3197.2	3206.9	3200.4
30°	2601.8	2931.9	3038.6	3051.6	3093.7	3100.1	3087.2	3093.7	3109.8	3116.3	3122.7
32.5°	2430.3	2744.2	2944.8	2974.0	3012.8	2993.4	2990.1	2999.8	3025.7	3025.7	3032.2
35°	2197.2	2598.6	2857.4	2883.3	2912.4	2889.8	2902.7	2906.0	2922.1	2931.9	2928.6
37.5°	1941.6	2472.3	2766.8	2786.3	2808.9	2779.7	2799.2	2808.9	2821.8	2815.3	2815.3
40°	1715.1	2274.9	2660.0	2672.9	2692.4	2669.7	2689.1	2695.6	2702.1	2695.6	2692.4
42.5°	1546.8	2058.1	2546.7	2562.9	2550.0	2566.1	2572.6	2585.5	2575.9	2562.9	2562.9
45°	1417.4	1999.9	2423.8	2443.2	2423.8	2449.7	2459.4	2459.4	2430.3	2423.8	2420.5
47.5°	1375.3	1883.3	2300.8	2300.8	2291.1	2323.5	2339.6	2317.0	2287.9	2278.1	2278.1
50°	1372.0	1753.9	2132.5	2119.6	2164.9	2203.7	2187.6	2164.9	2142.3	2106.7	2106.7
52.5°	1245.8	1595.3	1915.7	1964.3	2035.4	2058.1	2032.2	2009.5	1970.7	1954.6	1941.6
55°	1155.3	1430.4	1718.4	1815.4	1889.8	1919.0	1870.4	1847.7	1789.5	1779.9	1773.4
57.5°	1135.9	1190.8	1537.1	1660.0	1750.7	1747.4	1718.4	1676.3	1627.7	1618.0	1614.8
60°	1042.0	860.8	1343.0	1488.6	1582.4	1572.7	1546.8	1508.0	1462.7	1456.2	1449.8
62.5°	944.9	624.6	1122.9	1287.9	1420.6	1417.4	1394.7	1336.5	1304.2	1287.9	1275.0
65°	802.5	524.3	799.3	1071.1	1262.1	1268.5	1220.0	1177.9	1142.3	1122.9	1119.7
67.5°	611.6	427.1	540.4	893.2	1109.9	1103.4	1042.0	1022.6	977.3	967.6	948.2
70°	453.0	284.8	375.4	724.9	961.1	944.9	896.3	873.8	831.7	809.0	796.0
72.5°	375.4	229.8	275.1	563.1	809.0	789.6	747.6	721.6	686.1	666.7	653.7
75°	304.2	242.7	210.4	417.5	656.9	644.0	605.2	579.3	550.1	524.3	527.4
77.5°	223.3	226.5	168.3	307.4	521.0	501.6	479.0	446.5	433.6	407.7	407.7
80°	168.3	177.9	126.2	210.4	375.4	375.4	356.0	333.3	310.7	297.8	297.8
82.5°	113.2	113.2	93.8	132.7	255.7	245.9	233.0	226.5	213.6	207.1	207.1
85°	51.7	64.7	58.2	80.9	139.1	145.6	145.6	139.1	135.9	129.5	132.7
87.5°	16.2	29.2	35.6	45.3	71.2	74.4	77.6	77.6	77.6	80.9	80.9
90°	3.9	7.1	10.2	11.0	17.3	25.7	29.9	26.6	20.0	15.0	15.0
92.5°	15.8	42.6	69.4	76.1	107.0	148.1	168.7	147.8	106.1	74.9	71.9
95°	37.9	86.9	136.0	148.2	263.1	416.4	493.1	440.0	333.9	254.3	245.3
97.5°	65.4	108.6	151.9	162.7	354.5	610.1	737.9	704.3	637.2	586.9	569.7
100°	86.7	125.9	165.1	175.0	387.7	671.3	813.1	815.6	820.5	824.1	803.7
102.5°	104.9	141.5	178.0	187.2	402.9	690.7	834.5	877.2	962.7	1026.8	1009.3
105°	135.6	166.6	197.6	205.4	414.3	692.9	832.1	927.9	1119.6	1263.3	1253.9
107.5°	167.1	196.0	224.9	232.2	416.3	662.0	784.7	918.4	1185.8	1386.3	1388.6
110°	188.4	214.5	240.7	247.2	413.3	634.6	745.4	894.8	1193.6	1417.7	1427.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	209.3	234.2	259.0	265.2	413.4	610.8	709.5	862.4	1168.3	1397.7	1412.8
115°	240.9	263.8	286.8	292.5	417.2	583.5	666.6	813.9	1108.5	1329.5	1350.3
117.5°	271.9	292.8	313.6	318.9	424.9	566.3	636.9	769.9	1035.8	1235.3	1258.4
120°	290.1	309.7	329.4	334.3	431.2	560.5	625.2	746.6	989.6	1171.8	1194.3
122.5°	307.8	327.6	347.4	352.4	440.2	557.5	616.1	725.5	944.3	1108.4	1130.6
125°	335.1	353.0	371.1	375.6	452.5	555.0	606.2	699.2	885.1	1024.5	1044.9
127.5°	357.1	375.3	393.5	398.1	464.7	553.5	597.9	677.7	837.3	957.1	974.3
130°	368.9	388.5	408.2	413.1	473.6	554.4	594.8	665.8	807.9	914.4	930.4
132.5°	381.1	400.7	420.4	425.3	480.9	555.0	592.1	655.7	782.8	878.2	892.4
135°	399.3	417.2	435.0	439.5	488.7	554.4	587.3	640.6	747.1	826.9	839.3
137.5°	417.9	435.5	453.2	457.6	500.6	557.8	586.5	631.6	721.6	789.1	799.2
140°	433.2	449.5	465.8	469.9	507.8	558.4	583.8	622.7	700.4	758.7	768.1
142.5°	445.0	460.0	475.1	478.9	513.9	560.4	583.8	617.9	686.3	737.5	745.6
145°	463.2	476.3	489.5	492.7	521.8	560.5	579.8	607.8	663.7	705.6	711.7
147.5°	481.3	494.1	506.9	510.0	533.3	564.3	579.8	601.8	645.7	678.7	683.8
150°	493.1	504.7	516.2	519.1	539.4	566.4	579.8	598.4	635.6	663.4	667.5
152.5°	505.3	514.1	522.8	525.0	543.3	567.7	579.8	595.7	627.4	651.2	654.3
155°	523.4	529.9	536.4	538.0	552.0	570.6	579.8	592.5	617.6	636.5	638.6
157.5°	536.8	543.1	549.4	551.1	560.6	573.4	579.8	589.6	609.2	623.9	625.4
160°	545.9	550.9	555.7	557.0	564.6	574.8	579.8	588.2	605.0	617.6	618.5
162.5°	555.0	558.7	562.3	563.3	568.8	576.2	579.8	586.9	601.2	611.8	612.5
165°	564.8	568.2	571.4	572.3	574.8	578.1	579.8	584.9	595.0	602.7	603.5
167.5°	573.9	575.4	577.1	577.4	579.5	582.3	583.8	587.1	593.8	598.8	599.2
170°	579.8	581.4	583.0	583.4	583.5	583.7	583.8	587.1	593.8	598.8	598.8
172.5°	583.0	583.4	583.7	583.8	583.8	583.8	583.8	586.4	591.7	595.6	595.3
175°	587.3	587.3	587.3	587.3	586.1	584.5	583.8	585.4	588.7	591.2	591.2
177.5°	587.3	587.3	587.3	587.3	586.3	585.1	584.5	585.9	588.4	590.4	590.1
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3507.9	3498.1	3507.9	3501.4	3504.6	3494.9	3465.8	3456.1	3465.8	3475.5	3475.5
5°	3550.0	3543.5	3550.0	3550.0	3546.7	3540.2	3507.9	3501.4	3507.9	3511.0	3504.6
7.5°	3562.9	3553.1	3562.9	3556.4	3556.4	3550.0	3517.5	3511.0	3514.3	3524.0	3514.3
10°	3562.9	3553.1	3562.9	3559.6	3556.4	3550.0	3517.5	3504.6	3504.6	3514.3	3504.6
12.5°	3546.7	3540.2	3546.7	3540.2	3540.2	3533.7	3501.4	3488.5	3491.6	3494.9	3482.0
15°	3520.8	3511.0	3520.8	3514.3	3517.5	3507.9	3472.2	3459.3	3459.3	3465.8	3443.2
17.5°	3482.0	3469.0	3482.0	3478.7	3475.5	3469.0	3436.7	3423.7	3420.5	3423.7	3407.5
20°	3436.7	3426.9	3436.7	3433.4	3433.4	3420.5	3388.1	3371.9	3371.9	3371.9	3355.8
22.5°	3365.4	3355.8	3365.4	3371.9	3371.9	3368.7	3339.6	3316.9	3310.4	3310.4	3291.0
25°	3284.5	3274.9	3284.5	3284.5	3281.4	3284.5	3274.9	3262.0	3252.2	3242.5	3223.0
27.5°	3206.9	3200.4	3206.9	3200.4	3206.9	3197.2	3194.0	3190.7	3177.8	3168.1	3142.1
30°	3129.2	3122.7	3129.2	3122.7	3116.3	3109.8	3093.7	3087.2	3100.1	3093.7	3051.6
32.5°	3032.2	3025.7	3032.2	3032.2	3025.7	3025.7	2999.8	2990.1	2993.4	3012.8	2974.0
35°	2931.9	2922.1	2931.9	2928.6	2931.9	2922.1	2906.0	2902.7	2889.8	2912.4	2883.3
37.5°	2815.3	2805.7	2815.3	2815.3	2815.3	2821.8	2808.9	2799.2	2779.7	2808.9	2786.3
40°	2695.6	2682.7	2695.6	2692.4	2695.6	2702.1	2695.6	2689.1	2669.7	2692.4	2672.9
42.5°	2559.7	2556.5	2559.7	2562.9	2562.9	2575.9	2585.5	2572.6	2566.1	2550.0	2562.9
45°	2414.1	2407.6	2414.1	2420.5	2423.8	2430.3	2459.4	2459.4	2449.7	2423.8	2443.2
47.5°	2258.7	2242.6	2258.7	2278.1	2278.1	2287.9	2317.0	2339.6	2323.5	2291.1	2300.8
50°	2093.7	2096.9	2093.7	2106.7	2106.7	2142.3	2164.9	2187.6	2203.7	2164.9	2119.6
52.5°	1931.9	1928.6	1931.9	1941.6	1954.6	1970.7	2009.5	2032.2	2058.1	2035.4	1964.3
55°	1770.1	1776.6	1770.1	1773.4	1779.9	1789.5	1847.7	1870.4	1919.0	1889.8	1815.4
57.5°	1608.3	1598.6	1608.3	1614.8	1618.0	1627.7	1676.3	1718.4	1747.4	1750.7	1660.0
60°	1420.6	1407.7	1420.6	1449.8	1456.2	1462.7	1508.0	1546.8	1572.7	1582.4	1488.6
62.5°	1255.6	1232.9	1255.6	1275.0	1287.9	1304.2	1336.5	1394.7	1417.4	1420.6	1287.9
65°	1080.8	1071.1	1080.8	1119.7	1122.9	1142.3	1177.9	1220.0	1268.5	1262.1	1071.1
67.5°	922.2	922.2	922.2	948.2	967.6	977.3	1022.6	1042.0	1103.4	1109.9	893.2
70°	776.6	773.4	776.6	796.0	809.0	831.7	873.8	896.3	944.9	961.1	724.9
72.5°	637.5	634.2	637.5	653.7	666.7	686.1	721.6	747.6	789.6	809.0	563.1
75°	514.5	508.0	514.5	527.4	524.3	550.1	579.3	605.2	644.0	656.9	417.5
77.5°	394.8	394.8	394.8	407.7	407.7	433.6	446.5	479.0	501.6	521.0	307.4
80°	294.5	291.3	294.5	297.8	297.8	310.7	333.3	356.0	375.4	375.4	210.4
82.5°	207.1	200.6	207.1	207.1	207.1	213.6	226.5	233.0	245.9	255.7	132.7
85°	129.5	129.5	129.5	132.7	129.5	135.9	139.1	145.6	145.6	139.1	80.9
87.5°	84.1	80.9	84.1	80.9	80.9	77.6	77.6	77.6	74.4	71.2	45.3
90°	15.0	15.0	15.0	15.0	15.0	20.0	26.6	29.9	25.7	17.3	11.0
92.5°	60.0	48.1	60.0	71.9	74.9	106.1	147.8	168.7	148.1	107.0	76.1
95°	209.1	173.1	209.1	245.3	254.3	333.9	440.0	493.1	416.4	263.1	148.2
97.5°	501.0	432.4	501.0	569.7	586.9	637.2	704.3	737.9	610.1	354.5	162.7
100°	721.9	640.1	721.9	803.7	824.1	820.5	815.6	813.1	671.3	387.7	175.0
102.5°	939.2	869.1	939.2	1009.3	1026.8	962.7	877.2	834.5	690.7	402.9	187.2
105°	1216.2	1178.5	1216.2	1253.9	1263.3	1119.6	927.9	832.1	692.9	414.3	205.4
107.5°	1397.7	1406.8	1397.7	1388.6	1386.3	1185.8	918.4	784.7	662.0	416.3	232.2
110°	1466.8	1506.1	1466.8	1427.6	1417.7	1193.6	894.8	745.4	634.6	413.3	247.2





TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1473.0	1533.3	1473.0	1412.8	1397.7	1168.3	862.4	709.5	610.8	413.4	265.2
115°	1433.9	1517.5	1433.9	1350.3	1329.5	1108.5	813.9	666.6	583.5	417.2	292.5
117.5°	1351.2	1443.9	1351.2	1258.4	1235.3	1035.8	769.9	636.9	566.3	424.9	318.9
120°	1284.4	1374.4	1284.4	1194.3	1171.8	989.6	746.6	625.2	560.5	431.2	334.3
122.5°	1219.4	1308.3	1219.4	1130.6	1108.4	944.3	725.5	616.1	557.5	440.2	352.4
125°	1126.7	1208.5	1126.7	1044.9	1024.5	885.1	699.2	606.2	555.0	452.5	375.6
127.5°	1043.3	1112.3	1043.3	974.3	957.1	837.3	677.7	597.9	553.5	464.7	398.1
130°	994.2	1057.9	994.2	930.4	914.4	807.9	665.8	594.8	554.4	473.6	413.1
132.5°	949.6	1006.7	949.6	892.4	878.2	782.8	655.7	592.1	555.0	480.9	425.3
135°	888.5	937.7	888.5	839.3	826.9	747.1	640.6	587.3	554.4	488.7	439.5
137.5°	839.5	879.8	839.5	799.2	789.1	721.6	631.6	586.5	557.8	500.6	457.6
140°	805.8	843.5	805.8	768.1	758.7	700.4	622.7	583.8	558.4	507.8	469.9
142.5°	778.0	810.4	778.0	745.6	737.5	686.3	617.9	583.8	560.4	513.9	478.9
145°	736.3	760.7	736.3	711.7	705.6	663.7	607.8	579.8	560.5	521.8	492.7
147.5°	704.1	724.5	704.1	683.8	678.7	645.7	601.8	579.8	564.3	533.3	510.0
150°	684.0	700.4	684.0	667.5	663.4	635.6	598.4	579.8	566.4	539.4	519.1
152.5°	666.8	679.2	666.8	654.3	651.2	627.4	595.7	579.8	567.7	543.3	525.0
155°	646.9	655.1	646.9	638.6	636.5	617.6	592.5	579.8	570.6	552.0	538.0
157.5°	631.2	636.9	631.2	625.4	623.9	609.2	589.6	579.8	573.4	560.6	551.1
160°	621.8	625.2	621.8	618.5	617.6	605.0	588.2	579.8	574.8	564.6	557.0
162.5°	615.7	618.8	615.7	612.5	611.8	601.2	586.9	579.8	576.2	568.8	563.3
165°	606.8	610.1	606.8	603.5	602.7	595.0	584.9	579.8	578.1	574.8	572.3
167.5°	600.5	601.9	600.5	599.2	598.8	593.8	587.1	583.8	582.3	579.5	577.4
170°	598.8	598.8	598.8	598.8	598.8	593.8	587.1	583.8	583.7	583.5	583.4
172.5°	594.1	592.8	594.1	595.3	595.6	591.7	586.4	583.8	583.8	583.8	583.8
175°	591.2	591.2	591.2	591.2	591.2	588.7	585.4	583.8	584.5	586.1	587.3
177.5°	588.7	587.3	588.7	590.1	590.4	588.4	585.9	584.5	585.1	586.3	587.3
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3469.0	3449.6	3449.6	3417.2	3404.3	3394.6	3378.4	3329.8	3316.9	3303.9	3323.4
5°	3498.1	3462.6	3436.7	3378.4	3329.8	3310.4	3249.0	3132.5	3054.8	2996.5	2964.2
7.5°	3504.6	3459.3	3410.7	3320.2	3203.6	3151.9	2964.2	2750.6	2692.4	2640.6	2608.2
10°	3498.1	3446.4	3378.4	3242.5	2967.4	2876.8	2689.1	2550.0	2514.4	2504.7	2514.4
12.5°	3475.5	3426.9	3333.1	3106.6	2721.5	2660.0	2550.0	2469.1	2462.6	2478.8	2566.1
15°	3436.7	3391.3	3281.4	2925.4	2585.5	2540.3	2462.6	2433.5	2469.1	2582.4	2844.5
17.5°	3397.8	3346.0	3210.1	2747.4	2482.0	2449.7	2394.7	2452.9	2653.5	2805.7	2893.0
20°	3346.0	3284.5	3129.2	2618.0	2407.6	2378.4	2352.6	2614.7	2766.8	2821.8	2870.4
22.5°	3284.5	3219.9	3019.2	2527.3	2330.0	2307.3	2323.5	2705.4	2766.8	2805.7	2847.7
25°	3203.6	3148.6	2889.8	2456.2	2268.5	2242.6	2304.0	2695.6	2731.2	2740.9	2825.1
27.5°	3129.2	3058.0	2753.8	2391.4	2194.0	2184.3	2320.2	2653.5	2679.4	2689.1	2779.7
30°	3038.6	2931.9	2601.8	2323.5	2116.3	2113.1	2323.5	2601.8	2595.3	2621.2	2711.8
32.5°	2944.8	2744.2	2430.3	2239.3	2042.0	2038.7	2300.8	2524.1	2517.7	2553.2	2621.2
35°	2857.4	2598.6	2197.2	2142.3	1948.1	1951.3	2245.8	2433.5	2436.8	2469.1	2511.2
37.5°	2766.8	2472.3	1941.6	2035.4	1857.5	1857.5	2171.3	2349.4	2342.9	2352.6	2410.8
40°	2660.0	2274.9	1715.1	1896.3	1773.4	1763.6	2080.8	2258.7	2236.1	2232.9	2313.8
42.5°	2546.7	2058.1	1546.8	1711.9	1676.3	1663.3	1970.7	2148.8	2106.7	2116.3	2219.9
45°	2423.8	1999.9	1417.4	1446.5	1575.9	1566.2	1851.0	2022.5	1993.4	2019.3	2126.1
47.5°	2300.8	1883.3	1375.3	1200.6	1469.2	1465.9	1718.4	1899.6	1883.3	1909.2	2022.5
50°	2132.5	1753.9	1372.0	1029.1	1349.4	1362.4	1559.7	1779.9	1779.9	1802.4	1922.2
52.5°	1915.7	1595.3	1245.8	932.0	1210.3	1249.1	1420.6	1676.3	1682.7	1705.4	1812.2
55°	1718.4	1430.4	1155.3	857.5	1045.2	1129.4	1284.7	1569.5	1582.4	1605.1	1702.1
57.5°	1537.1	1190.8	1135.9	770.2	893.2	974.1	1164.9	1465.9	1472.3	1491.9	1585.7
60°	1343.0	860.8	1042.0	676.3	760.5	821.9	1055.0	1343.0	1365.6	1378.5	1459.4
62.5°	1122.9	624.6	944.9	611.6	695.7	708.7	964.3	1226.4	1255.6	1265.3	1313.8
65°	799.3	524.3	802.5	556.6	627.7	631.0	867.3	1106.7	1132.6	1148.8	1184.3
67.5°	540.4	427.1	611.6	504.8	576.0	579.3	773.4	967.6	1003.1	1016.1	1038.8
70°	375.4	284.8	453.0	449.8	517.8	524.3	673.1	841.4	873.8	883.4	896.3
72.5°	275.1	229.8	375.4	404.5	456.3	462.8	569.5	699.0	731.3	741.0	747.6
75°	210.4	242.7	304.2	352.7	388.3	391.6	466.0	569.5	592.2	598.7	601.9
77.5°	168.3	226.5	223.3	284.8	317.2	310.7	365.6	440.1	459.5	459.5	459.5
80°	126.2	177.9	168.3	203.9	233.0	226.5	262.1	313.9	320.3	326.8	323.6
82.5°	93.8	113.2	113.2	129.5	155.3	148.9	174.8	203.9	203.9	203.9	210.4
85°	58.2	64.7	51.7	68.0	87.4	84.1	97.1	110.1	113.2	113.2	106.8
87.5°	35.6	29.2	16.2	25.9	38.8	38.8	45.3	48.6	45.3	45.3	45.3
90°	10.2	7.1	3.9	7.1	10.2	11.0	17.3	25.7	29.9	26.6	20.0
92.5°	69.4	42.6	15.8	42.6	69.4	76.1	107.0	148.1	168.7	147.8	106.1
95°	136.0	86.9	37.9	86.9	136.0	148.2	263.1	416.4	493.1	440.0	333.9
97.5°	151.9	108.6	65.4	108.6	151.9	162.7	354.5	610.1	737.9	704.3	637.2
100°	165.1	125.9	86.7	125.9	165.1	175.0	387.7	671.3	813.1	815.6	820.5
102.5°	178.0	141.5	104.9	141.5	178.0	187.2	402.9	690.7	834.5	877.2	962.7
105°	197.6	166.6	135.6	166.6	197.6	205.4	414.3	692.9	832.1	927.9	1119.6
107.5°	224.9	196.0	167.1	196.0	224.9	232.2	416.3	662.0	784.7	918.4	1185.8
110°	240.7	214.5	188.4	214.5	240.7	247.2	413.3	634.6	745.4	894.8	1193.6



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	259.0	234.2	209.3	234.2	259.0	265.2	413.4	610.8	709.5	862.4	1168.3
115°	286.8	263.8	240.9	263.8	286.8	292.5	417.2	583.5	666.6	813.9	1108.5
117.5°	313.6	292.8	271.9	292.8	313.6	318.9	424.9	566.3	636.9	769.9	1035.8
120°	329.4	309.7	290.1	309.7	329.4	334.3	431.2	560.5	625.2	746.6	989.6
122.5°	347.4	327.6	307.8	327.6	347.4	352.4	440.2	557.5	616.1	725.5	944.3
125°	371.1	353.0	335.1	353.0	371.1	375.6	452.5	555.0	606.2	699.2	885.1
127.5°	393.5	375.3	357.1	375.3	393.5	398.1	464.7	553.5	597.9	677.7	837.3
130°	408.2	388.5	368.9	388.5	408.2	413.1	473.6	554.4	594.8	665.8	807.9
132.5°	420.4	400.7	381.1	400.7	420.4	425.3	480.9	555.0	592.1	655.7	782.8
135°	435.0	417.2	399.3	417.2	435.0	439.5	488.7	554.4	587.3	640.6	747.1
137.5°	453.2	435.5	417.9	435.5	453.2	457.6	500.6	557.8	586.5	631.6	721.6
140°	465.8	449.5	433.2	449.5	465.8	469.9	507.8	558.4	583.8	622.7	700.4
142.5°	475.1	460.0	445.0	460.0	475.1	478.9	513.9	560.4	583.8	617.9	686.3
145°	489.5	476.3	463.2	476.3	489.5	492.7	521.8	560.5	579.8	607.8	663.7
147.5°	506.9	494.1	481.3	494.1	506.9	510.0	533.3	564.3	579.8	601.8	645.7
150°	516.2	504.7	493.1	504.7	516.2	519.1	539.4	566.4	579.8	598.4	635.6
152.5°	522.8	514.1	505.3	514.1	522.8	525.0	543.3	567.7	579.8	595.7	627.4
155°	536.4	529.9	523.4	529.9	536.4	538.0	552.0	570.6	579.8	592.5	617.6
157.5°	549.4	543.1	536.8	543.1	549.4	551.1	560.6	573.4	579.8	589.6	609.2
160°	555.7	550.9	545.9	550.9	555.7	557.0	564.6	574.8	579.8	588.2	605.0
162.5°	562.3	558.7	555.0	558.7	562.3	563.3	568.8	576.2	579.8	586.9	601.2
165°	571.4	568.2	564.8	568.2	571.4	572.3	574.8	578.1	579.8	584.9	595.0
167.5°	577.1	575.4	573.9	575.4	577.1	577.4	579.5	582.3	583.8	587.1	593.8
170°	583.0	581.4	579.8	581.4	583.0	583.4	583.5	583.7	583.8	587.1	593.8
172.5°	583.7	583.4	583.0	583.4	583.7	583.8	583.8	583.8	583.8	586.4	591.7
175°	587.3	587.3	587.3	587.3	587.3	587.3	586.1	584.5	583.8	585.4	588.7
177.5°	587.3	587.3	587.3	587.3	587.3	587.3	586.3	585.1	584.5	585.9	588.4
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3300.8	3291.0	3303.9	3268.4	3303.9	3291.0	3300.8	3323.4	3303.9	3316.9	3329.8
5°	2896.2	2880.1	2828.3	2786.3	2828.3	2880.1	2896.2	2964.2	2996.5	3054.8	3132.5
7.5°	2588.8	2575.9	2562.9	2537.1	2562.9	2575.9	2588.8	2608.2	2640.6	2692.4	2750.6
10°	2520.9	2524.1	2543.5	2540.3	2543.5	2524.1	2520.9	2514.4	2504.7	2514.4	2550.0
12.5°	2695.6	2724.8	2831.5	2825.1	2831.5	2724.8	2695.6	2566.1	2478.8	2462.6	2469.1
15°	2896.2	2906.0	2928.6	2931.9	2928.6	2906.0	2896.2	2844.5	2582.4	2469.1	2433.5
17.5°	2915.6	2918.9	2935.0	2935.0	2935.0	2918.9	2915.6	2893.0	2805.7	2653.5	2452.9
20°	2899.5	2906.0	2938.3	2944.8	2938.3	2906.0	2899.5	2870.4	2821.8	2766.8	2614.7
22.5°	2893.0	2906.0	2931.9	2928.6	2931.9	2906.0	2893.0	2847.7	2805.7	2766.8	2705.4
25°	2860.6	2860.6	2863.9	2867.1	2863.9	2860.6	2860.6	2825.1	2740.9	2731.2	2695.6
27.5°	2792.7	2799.2	2818.6	2815.3	2818.6	2799.2	2792.7	2779.7	2689.1	2679.4	2653.5
30°	2731.2	2724.8	2708.5	2695.6	2708.5	2724.8	2731.2	2711.8	2621.2	2595.3	2601.8
32.5°	2627.6	2611.5	2595.3	2585.5	2595.3	2611.5	2627.6	2621.2	2553.2	2517.7	2524.1
35°	2504.7	2507.9	2504.7	2495.0	2504.7	2507.9	2504.7	2511.2	2469.1	2436.8	2433.5
37.5°	2417.4	2423.8	2420.5	2407.6	2420.5	2423.8	2417.4	2410.8	2352.6	2342.9	2349.4
40°	2326.7	2330.0	2326.7	2317.0	2326.7	2330.0	2326.7	2313.8	2232.9	2236.1	2258.7
42.5°	2239.3	2236.1	2226.4	2219.9	2226.4	2236.1	2239.3	2219.9	2116.3	2106.7	2148.8
45°	2139.0	2142.3	2122.8	2113.1	2122.8	2142.3	2139.0	2126.1	2019.3	1993.4	2022.5
47.5°	2038.7	2038.7	2022.5	2012.8	2022.5	2038.7	2038.7	2022.5	1909.2	1883.3	1899.6
50°	1931.9	1928.6	1906.0	1902.8	1906.0	1928.6	1931.9	1922.2	1802.4	1779.9	1779.9
52.5°	1808.9	1808.9	1812.2	1818.7	1812.2	1808.9	1808.9	1812.2	1705.4	1682.7	1676.3
55°	1702.1	1705.4	1728.0	1734.5	1728.0	1705.4	1702.1	1702.1	1605.1	1582.4	1569.5
57.5°	1592.2	1592.2	1608.3	1608.3	1608.3	1592.2	1592.2	1585.7	1491.9	1472.3	1465.9
60°	1465.9	1472.3	1485.4	1482.1	1485.4	1472.3	1465.9	1459.4	1378.5	1365.6	1343.0
62.5°	1333.2	1339.7	1343.0	1336.5	1343.0	1339.7	1333.2	1313.8	1265.3	1255.6	1226.4
65°	1194.1	1200.6	1203.8	1197.3	1203.8	1200.6	1194.1	1184.3	1148.8	1132.6	1106.7
67.5°	1051.7	1048.5	1045.2	1058.2	1045.2	1048.5	1051.7	1038.8	1016.1	1003.1	967.6
70°	906.1	906.1	902.8	909.3	902.8	906.1	906.1	896.3	883.4	873.8	841.4
72.5°	750.8	747.6	760.5	750.8	760.5	747.6	750.8	747.6	741.0	731.3	699.0
75°	598.7	605.2	598.7	608.3	598.7	605.2	598.7	601.9	598.7	592.2	569.5
77.5°	456.3	462.8	456.3	456.3	456.3	462.8	456.3	459.5	459.5	459.5	440.1
80°	323.6	320.3	320.3	317.2	320.3	320.3	323.6	323.6	326.8	320.3	313.9
82.5°	207.1	203.9	203.9	210.4	203.9	203.9	207.1	210.4	203.9	203.9	203.9
85°	113.2	116.5	110.1	110.1	110.1	116.5	113.2	106.8	113.2	113.2	110.1
87.5°	42.1	38.8	38.8	38.8	38.8	38.8	42.1	45.3	45.3	45.3	48.6
90°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	20.0	26.6	29.9	25.7
92.5°	74.9	71.9	60.0	48.1	60.0	71.9	74.9	106.1	147.8	168.7	148.1
95°	254.3	245.3	209.1	173.1	209.1	245.3	254.3	333.9	440.0	493.1	416.4
97.5°	586.9	569.7	501.0	432.4	501.0	569.7	586.9	637.2	704.3	737.9	610.1
100°	824.1	803.7	721.9	640.1	721.9	803.7	824.1	820.5	815.6	813.1	671.3
102.5°	1026.8	1009.3	939.2	869.1	939.2	1009.3	1026.8	962.7	877.2	834.5	690.7
105°	1263.3	1253.9	1216.2	1178.5	1216.2	1253.9	1263.3	1119.6	927.9	832.1	692.9
107.5°	1386.3	1388.6	1397.7	1406.8	1397.7	1388.6	1386.3	1185.8	918.4	784.7	662.0
110°	1417.7	1427.6	1466.8	1506.1	1466.8	1427.6	1417.7	1193.6	894.8	745.4	634.6



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1397.7	1412.8	1473.0	1533.3	1473.0	1412.8	1397.7	1168.3	862.4	709.5	610.8
115°	1329.5	1350.3	1433.9	1517.5	1433.9	1350.3	1329.5	1108.5	813.9	666.6	583.5
117.5°	1235.3	1258.4	1351.2	1443.9	1351.2	1258.4	1235.3	1035.8	769.9	636.9	566.3
120°	1171.8	1194.3	1284.4	1374.4	1284.4	1194.3	1171.8	989.6	746.6	625.2	560.5
122.5°	1108.4	1130.6	1219.4	1308.3	1219.4	1130.6	1108.4	944.3	725.5	616.1	557.5
125°	1024.5	1044.9	1126.7	1208.5	1126.7	1044.9	1024.5	885.1	699.2	606.2	555.0
127.5°	957.1	974.3	1043.3	1112.3	1043.3	974.3	957.1	837.3	677.7	597.9	553.5
130°	914.4	930.4	994.2	1057.9	994.2	930.4	914.4	807.9	665.8	594.8	554.4
132.5°	878.2	892.4	949.6	1006.7	949.6	892.4	878.2	782.8	655.7	592.1	555.0
135°	826.9	839.3	888.5	937.7	888.5	839.3	826.9	747.1	640.6	587.3	554.4
137.5°	789.1	799.2	839.5	879.8	839.5	799.2	789.1	721.6	631.6	586.5	557.8
140°	758.7	768.1	805.8	843.5	805.8	768.1	758.7	700.4	622.7	583.8	558.4
142.5°	737.5	745.6	778.0	810.4	778.0	745.6	737.5	686.3	617.9	583.8	560.4
145°	705.6	711.7	736.3	760.7	736.3	711.7	705.6	663.7	607.8	579.8	560.5
147.5°	678.7	683.8	704.1	724.5	704.1	683.8	678.7	645.7	601.8	579.8	564.3
150°	663.4	667.5	684.0	700.4	684.0	667.5	663.4	635.6	598.4	579.8	566.4
152.5°	651.2	654.3	666.8	679.2	666.8	654.3	651.2	627.4	595.7	579.8	567.7
155°	636.5	638.6	646.9	655.1	646.9	638.6	636.5	617.6	592.5	579.8	570.6
157.5°	623.9	625.4	631.2	636.9	631.2	625.4	623.9	609.2	589.6	579.8	573.4
160°	617.6	618.5	621.8	625.2	621.8	618.5	617.6	605.0	588.2	579.8	574.8
162.5°	611.8	612.5	615.7	618.8	615.7	612.5	611.8	601.2	586.9	579.8	576.2
165°	602.7	603.5	606.8	610.1	606.8	603.5	602.7	595.0	584.9	579.8	578.1
167.5°	598.8	599.2	600.5	601.9	600.5	599.2	598.8	593.8	587.1	583.8	582.3
170°	598.8	598.8	598.8	598.8	598.8	598.8	598.8	593.8	587.1	583.8	583.7
172.5°	595.6	595.3	594.1	592.8	594.1	595.3	595.6	591.7	586.4	583.8	583.8
175°	591.2	591.2	591.2	591.2	591.2	591.2	591.2	588.7	585.4	583.8	584.5
177.5°	590.4	590.1	588.7	587.3	588.7	590.1	590.4	588.4	585.9	584.5	585.1
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3378.4	3394.6	3404.3	3417.2	3449.6
5°	3249.0	3310.4	3329.8	3378.4	3436.7
7.5°	2964.2	3151.9	3203.6	3320.2	3410.7
10°	2689.1	2876.8	2967.4	3242.5	3378.4
12.5°	2550.0	2660.0	2721.5	3106.6	3333.1
15°	2462.6	2540.3	2585.5	2925.4	3281.4
17.5°	2394.7	2449.7	2482.0	2747.4	3210.1
20°	2352.6	2378.4	2407.6	2618.0	3129.2
22.5°	2323.5	2307.3	2330.0	2527.3	3019.2
25°	2304.0	2242.6	2268.5	2456.2	2889.8
27.5°	2320.2	2184.3	2194.0	2391.4	2753.8
30°	2323.5	2113.1	2116.3	2323.5	2601.8
32.5°	2300.8	2038.7	2042.0	2239.3	2430.3
35°	2245.8	1951.3	1948.1	2142.3	2197.2
37.5°	2171.3	1857.5	1857.5	2035.4	1941.6
40°	2080.8	1763.6	1773.4	1896.3	1715.1
42.5°	1970.7	1663.3	1676.3	1711.9	1546.8
45°	1851.0	1566.2	1575.9	1446.5	1417.4
47.5°	1718.4	1465.9	1469.2	1200.6	1375.3
50°	1559.7	1362.4	1349.4	1029.1	1372.0
52.5°	1420.6	1249.1	1210.3	932.0	1245.8
55°	1284.7	1129.4	1045.2	857.5	1155.3
57.5°	1164.9	974.1	893.2	770.2	1135.9
60°	1055.0	821.9	760.5	676.3	1042.0
62.5°	964.3	708.7	695.7	611.6	944.9
65°	867.3	631.0	627.7	556.6	802.5
67.5°	773.4	579.3	576.0	504.8	611.6
70°	673.1	524.3	517.8	449.8	453.0
72.5°	569.5	462.8	456.3	404.5	375.4
75°	466.0	391.6	388.3	352.7	304.2
77.5°	365.6	310.7	317.2	284.8	223.3
80°	262.1	226.5	233.0	203.9	168.3
82.5°	174.8	148.9	155.3	129.5	113.2
85°	97.1	84.1	87.4	68.0	51.7
87.5°	45.3	38.8	38.8	25.9	16.2
90°	17.3	11.0	10.2	7.1	3.9
92.5°	107.0	76.1	69.4	42.6	15.8
95°	263.1	148.2	136.0	86.9	37.9
97.5°	354.5	162.7	151.9	108.6	65.4
100°	387.7	175.0	165.1	125.9	86.7
102.5°	402.9	187.2	178.0	141.5	104.9
105°	414.3	205.4	197.6	166.6	135.6
107.5°	416.3	232.2	224.9	196.0	167.1
110°	413.3	247.2	240.7	214.5	188.4



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	413.4	265.2	259.0	234.2	209.3
115°	417.2	292.5	286.8	263.8	240.9
117.5°	424.9	318.9	313.6	292.8	271.9
120°	431.2	334.3	329.4	309.7	290.1
122.5°	440.2	352.4	347.4	327.6	307.8
125°	452.5	375.6	371.1	353.0	335.1
127.5°	464.7	398.1	393.5	375.3	357.1
130°	473.6	413.1	408.2	388.5	368.9
132.5°	480.9	425.3	420.4	400.7	381.1
135°	488.7	439.5	435.0	417.2	399.3
137.5°	500.6	457.6	453.2	435.5	417.9
140°	507.8	469.9	465.8	449.5	433.2
142.5°	513.9	478.9	475.1	460.0	445.0
145°	521.8	492.7	489.5	476.3	463.2
147.5°	533.3	510.0	506.9	494.1	481.3
150°	539.4	519.1	516.2	504.7	493.1
152.5°	543.3	525.0	522.8	514.1	505.3
155°	552.0	538.0	536.4	529.9	523.4
157.5°	560.6	551.1	549.4	543.1	536.8
160°	564.6	557.0	555.7	550.9	545.9
162.5°	568.8	563.3	562.3	558.7	555.0
165°	574.8	572.3	571.4	568.2	564.8
167.5°	579.5	577.4	577.1	575.4	573.9
170°	583.5	583.4	583.0	581.4	579.8
172.5°	583.8	583.8	583.7	583.4	583.0
175°	586.1	587.3	587.3	587.3	587.3
177.5°	586.3	587.3	587.3	587.3	587.3
180°	587.3	587.3	587.3	587.3	587.3



TEST NUMBER: P934548

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-6500K

**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	16.08	17.15	16.84	17.94	18.89	18.92	19.99	19.68	20.78	21.73
	3H	16.57	17.54	17.35	18.33	19.32	20.28	21.25	21.06	22.04	23.03
	4H	16.77	17.68	17.57	18.49	19.48	20.74	21.65	21.53	22.45	23.45
	6H	16.90	17.74	17.71	18.56	19.57	21.03	21.87	21.84	22.69	23.70
	8H	16.91	17.71	17.73	18.54	19.55	21.12	21.92	21.93	22.75	23.76
	12H	16.89	17.65	17.71	18.48	19.51	21.16	21.93	21.99	22.75	23.79
4H	2H	17.14	18.05	17.94	18.85	19.85	19.35	20.26	20.15	21.07	22.06
	3H	18.19	18.94	19.00	19.78	20.80	20.88	21.64	21.69	22.48	23.49
	4H	18.47	19.16	19.30	20.00	21.04	21.42	22.11	22.24	22.95	23.99
	6H	18.61	19.20	19.45	20.07	21.11	21.80	22.39	22.64	23.26	24.30
	8H	18.62	19.18	19.46	20.03	21.09	21.91	22.47	22.76	23.32	24.38
	12H	18.60	19.10	19.46	19.98	21.04	21.98	22.48	22.84	23.36	24.42
8H	4H	18.94	19.50	19.79	20.36	21.42	21.56	22.12	22.41	22.97	24.03
	6H	19.21	19.67	20.09	20.57	21.63	22.01	22.47	22.88	23.37	24.43
	8H	19.26	19.67	20.14	20.56	21.64	22.16	22.57	23.05	23.47	24.54
	12H	19.25	19.61	20.14	20.50	21.63	22.27	22.63	23.16	23.52	24.65
12H	4H	18.96	19.46	19.83	20.34	21.40	21.53	22.04	22.40	22.91	23.98
	6H	19.28	19.69	20.16	20.58	21.66	22.01	22.42	22.89	23.31	24.38
	8H	19.35	19.71	20.24	20.60	21.73	22.18	22.54	23.07	23.42	24.55