

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: P933861

Luminaire Tested: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

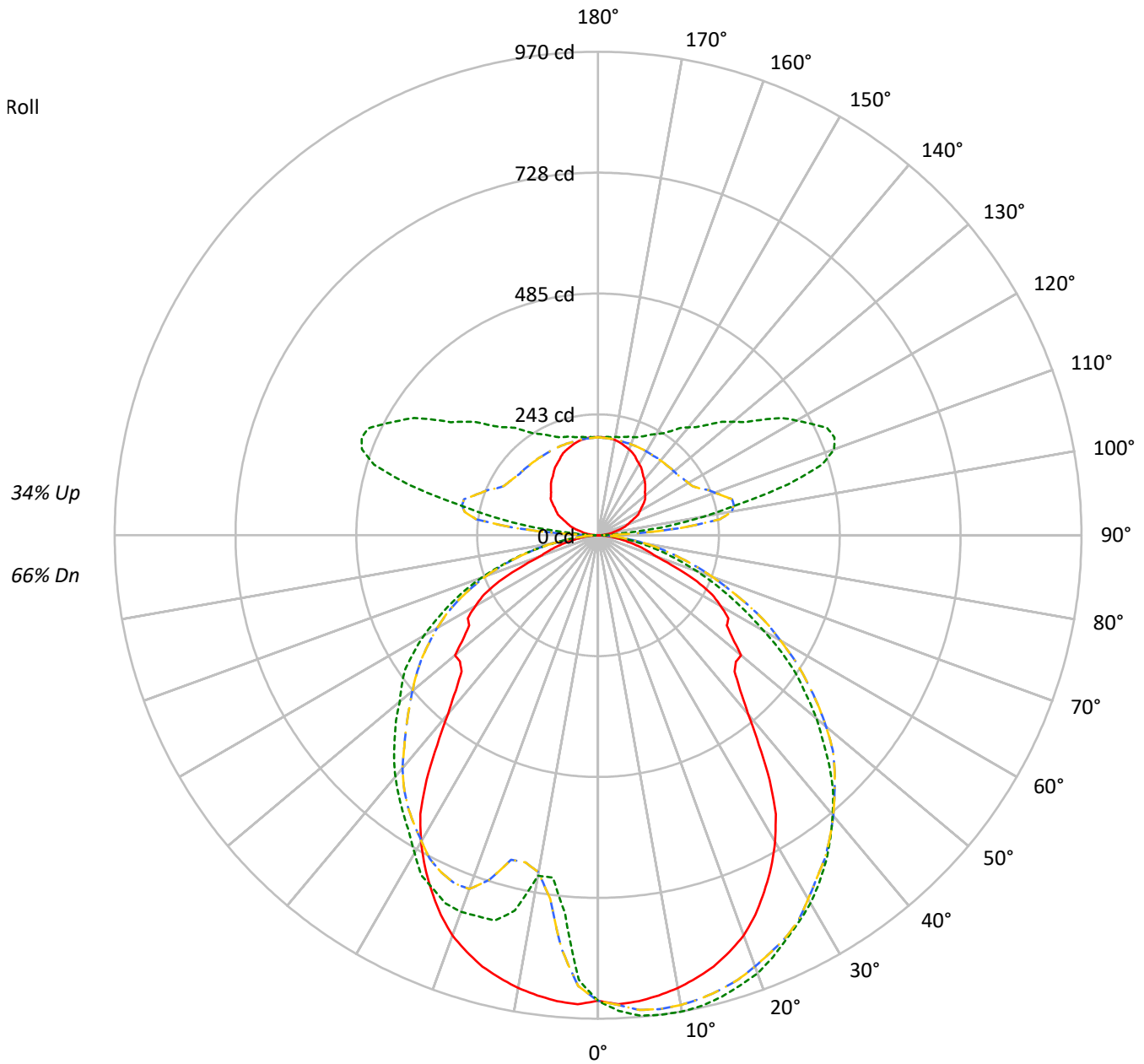
Test Method: LM-79-2019  
Report Number: P933861  
REPORT IS A COMBINATION OF REPORTS P933675 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3696.7 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 33  
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: P933861  
CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	66			
1	101	97	93	89	95	91	88	85	81	78	76	71	69	68	62	61	60	55			
2	92	85	78	73	87	80	74	70	71	67	63	63	59	56	55	52	50	46			
3	84	75	67	61	79	70	64	58	63	57	53	55	51	48	49	46	43	39			
4	77	66	58	52	72	62	55	49	56	50	45	49	45	41	43	40	37	34			
5	71	59	50	44	66	56	48	43	50	44	39	44	39	35	39	35	32	29			
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26			
7	60	48	40	34	57	45	38	33	41	35	30	36	31	28	32	28	25	23			
8	56	43	35	30	53	41	34	29	37	31	27	33	28	25	30	26	22	20			
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18			
10	49	36	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16			

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

	0°	90°	180°	270°
0°	5777	5777	5777	5777
5°	5818	5831	5818	4585
10°	5777	5745	5777	4107
15°	5713	5621	5713	4693
20°	5591	5473	5591	4703
25°	5344	5258	5344	4603
30°	5026	5080	5026	4384
35°	4479	4853	4479	4144
40°	3730	4588	3730	3962
45°	3330	4276	3330	3754
50°	3535	3906	3535	3543
55°	3323	3506	3323	3422
60°	3421	2977	3421	3134
65°	3096	2461	3096	2751
70°	2139	1961	2139	2306
75°	1870	1450	1870	1736
80°	1494	958	1494	1044
85°	841	507	841	431

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5107 cd/sqm



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.3	2.3
10°-20°	239.4	6.5
20°-30°	370.0	10.0
30°-40°	441.7	11.9
40°-50°	444.3	12.0
50°-60°	386.6	10.5
60°-70°	274.1	7.4
70°-80°	145.0	3.9
80°-90°	36.9	1.0
90°-100°	95.8	2.6
100°-110°	252.0	6.8
110°-120°	261.2	7.1
120°-130°	209.6	5.7
130°-140°	164.4	4.4
140°-150°	126.2	3.4
150°-160°	90.9	2.5
160°-170°	55.6	1.5
170°-180°	18.8	0.5
0°-30°	693.7	18.8
0°-40°	1135.4	30.7
0°-60°	1966.2	53.2
0°-90°	2422.2	65.5
90°-120°	609.0	16.5
90°-150°	1109.2	30.0
90°-180°	1275.0	34.5
0°-180°	3696.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	938	967	938	761	938	89
15°	896	959	896	800	896	252
25°	789	894	789	783	789	362
35°	600	798	600	681	600	371
45°	387	657	387	577	387	310
55°	315	485	315	474	315	290
65°	219	292	219	327	219	209
75°	83	139	83	166	83	87
85°	14	35	14	30	14	19
90°	1	5	1	5	1	2
95°	13	58	13	58	13	14
105°	45	394	45	394	45	48
115°	81	508	81	508	81	80
125°	112	404	112	404	112	100
135°	134	314	134	314	134	103
145°	155	255	155	255	155	97
155°	175	219	175	219	175	81
165°	189	204	189	204	189	53
175°	197	198	197	198	197	19
180°	197	197	197	197	197	



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	941.9	941.9	947.2	948.9	948.9	946.3	943.6	946.3	954.3	956.9	956.0
5°	938.3	945.4	955.2	956.9	958.7	957.8	956.0	957.8	966.6	968.4	969.3
7.5°	931.3	944.5	956.9	959.5	962.2	959.5	958.7	960.4	969.3	971.0	971.0
10°	922.4	941.0	955.2	956.9	959.5	956.9	956.9	960.4	969.3	971.0	971.9
12.5°	910.1	935.7	948.9	950.7	954.3	953.4	952.4	956.0	964.8	966.6	966.6
15°	896.0	926.0	938.3	940.1	946.3	944.5	944.5	948.0	957.8	960.4	959.5
17.5°	876.5	913.6	927.7	930.4	934.8	933.9	934.8	938.3	947.2	948.9	949.8
20°	854.4	896.8	913.6	916.2	920.6	920.6	920.6	925.1	933.9	937.4	937.4
22.5°	824.4	879.1	896.8	898.6	903.9	903.9	905.6	911.9	919.8	920.6	920.6
25°	789.0	859.7	874.7	880.1	885.3	888.0	890.6	894.2	896.8	896.0	896.8
27.5°	751.9	834.9	854.4	857.9	865.0	867.7	871.2	872.1	872.9	875.6	873.8
30°	710.4	800.5	829.6	833.2	844.7	846.4	842.9	844.7	849.1	850.9	852.7
32.5°	663.6	749.3	804.0	812.0	822.6	817.3	816.4	819.0	826.1	826.1	827.9
35°	600.0	709.5	780.2	787.2	795.2	789.0	792.6	793.5	797.8	800.5	799.6
37.5°	530.1	675.1	755.4	760.7	766.9	758.9	764.3	766.9	770.4	768.7	768.7
40°	468.3	621.1	726.3	729.8	735.1	728.9	734.3	736.0	737.8	736.0	735.1
42.5°	422.4	561.9	695.4	699.7	696.2	700.6	702.5	706.0	703.3	699.7	699.7
45°	387.0	546.0	661.8	667.1	661.8	668.8	671.5	671.5	663.6	661.8	660.9
47.5°	375.5	514.2	628.2	628.2	625.5	634.4	638.8	632.6	624.6	622.0	622.0
50°	374.6	478.8	582.2	578.7	591.1	601.7	597.2	591.1	584.9	575.2	575.2
52.5°	340.2	435.5	523.0	536.3	555.8	561.9	554.9	548.7	538.0	533.7	530.1
55°	315.4	390.5	469.2	495.7	516.0	523.9	510.7	504.5	488.6	486.0	484.2
57.5°	310.1	325.1	419.7	453.3	478.0	477.1	469.2	457.7	444.4	441.8	440.9
60°	284.5	235.0	366.7	406.5	432.0	429.4	422.4	411.7	399.4	397.6	395.9
62.5°	258.0	170.6	306.6	351.7	387.9	387.0	380.8	364.9	356.1	351.7	348.2
65°	219.1	143.2	218.3	292.5	344.6	346.3	333.1	321.6	311.9	306.6	305.7
67.5°	167.0	116.6	147.6	243.9	303.1	301.3	284.5	279.2	266.8	264.2	258.9
70°	123.7	77.7	102.5	197.9	262.4	258.0	244.8	238.5	227.0	220.9	217.4
72.5°	102.5	62.7	75.1	153.7	220.9	215.6	204.1	197.0	187.3	182.0	178.5
75°	83.1	66.2	57.4	114.0	179.3	175.8	165.2	158.2	150.2	143.2	144.0
77.5°	61.0	61.8	45.9	84.0	142.3	136.9	130.8	121.9	118.4	111.4	111.4
80°	45.9	48.6	34.4	57.4	102.5	102.5	97.2	91.0	84.8	81.3	81.3
82.5°	30.9	30.9	25.6	36.2	69.8	67.2	63.6	61.8	58.3	56.6	56.6
85°	14.1	17.7	15.9	22.0	38.0	39.8	39.8	38.0	37.2	35.3	36.2
87.5°	4.4	8.0	9.7	12.4	19.4	20.3	21.2	21.2	21.2	22.0	22.0
90°	1.3	2.4	3.4	3.7	5.8	8.6	10.0	8.9	6.7	5.0	5.0
92.5°	5.3	14.2	23.2	25.5	35.8	49.6	56.5	49.4	35.5	25.0	24.1
95°	12.6	29.1	45.5	49.6	88.1	139.4	165.0	147.3	111.7	85.1	82.1
97.5°	21.9	36.4	50.9	54.5	118.7	204.2	247.0	235.7	213.3	196.5	190.8
100°	29.1	42.2	55.3	58.6	129.8	224.8	272.2	273.0	274.6	275.9	269.0
102.5°	35.1	47.4	59.6	62.7	134.9	231.2	279.3	293.6	322.2	343.8	337.9
105°	45.4	55.8	66.1	68.8	138.7	231.9	278.5	310.6	374.8	422.9	419.7
107.5°	55.9	65.6	75.3	77.7	139.4	221.6	262.7	307.5	397.0	464.1	464.9
110°	63.1	71.8	80.5	82.7	138.3	212.5	249.5	299.6	399.6	474.6	477.9



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	70.1	78.4	86.7	88.8	138.3	204.5	237.5	288.7	391.1	467.9	472.9
115°	80.6	88.4	96.0	97.9	139.6	195.2	223.1	272.4	371.1	445.0	452.1
117.5°	91.1	98.0	105.0	106.7	142.2	189.5	213.3	257.8	346.8	413.5	421.2
120°	97.1	103.7	110.2	111.9	144.4	187.7	209.3	250.0	331.3	392.3	399.9
122.5°	103.0	109.7	116.3	118.0	147.4	186.6	206.2	242.9	316.1	371.1	378.5
125°	112.2	118.2	124.3	125.8	151.5	185.8	203.0	234.1	296.3	343.0	349.8
127.5°	119.5	125.6	131.7	133.2	155.5	185.3	200.2	226.9	280.4	320.4	326.2
130°	123.5	130.1	136.6	138.2	158.5	185.6	199.1	222.9	270.4	306.1	311.4
132.5°	127.6	134.2	140.7	142.4	161.0	185.8	198.2	219.5	262.1	294.0	298.7
135°	133.7	139.6	145.6	147.1	163.6	185.7	196.7	214.5	250.1	276.8	281.0
137.5°	139.9	145.8	151.7	153.2	167.6	186.8	196.4	211.5	241.6	264.2	267.5
140°	145.0	150.5	155.9	157.3	170.0	187.0	195.4	208.4	234.5	254.0	257.2
142.5°	149.0	154.0	159.1	160.3	172.0	187.6	195.4	206.8	229.8	246.9	249.6
145°	155.0	159.4	163.8	164.9	174.7	187.6	194.1	203.4	222.1	236.2	238.2
147.5°	161.1	165.4	169.7	170.7	178.6	188.9	194.1	201.5	216.1	227.2	228.9
150°	165.0	168.9	172.8	173.8	180.6	189.6	194.1	200.3	212.7	222.0	223.4
152.5°	169.2	172.1	175.0	175.7	181.9	190.1	194.1	199.4	210.0	218.0	219.0
155°	175.2	177.4	179.6	180.1	184.8	191.0	194.1	198.3	206.8	213.1	213.8
157.5°	179.7	181.8	183.9	184.4	187.7	192.0	194.1	197.4	203.9	208.9	209.4
160°	182.8	184.4	186.0	186.5	189.0	192.4	194.1	196.9	202.5	206.8	207.0
162.5°	185.8	187.0	188.2	188.6	190.4	192.9	194.1	196.5	201.2	204.8	205.1
165°	189.1	190.2	191.3	191.6	192.4	193.6	194.1	195.8	199.2	201.7	202.0
167.5°	192.1	192.6	193.1	193.3	194.0	195.0	195.4	196.6	198.8	200.4	200.5
170°	194.1	194.6	195.2	195.2	195.3	195.4	195.4	196.6	198.8	200.4	200.4
172.5°	195.2	195.2	195.4	195.4	195.4	195.4	195.4	196.3	198.1	199.4	199.3
175°	196.7	196.7	196.7	196.7	196.2	195.7	195.4	195.9	197.1	198.0	198.0
177.5°	196.7	196.7	196.7	196.7	196.3	195.9	195.7	196.1	197.0	197.7	197.6
180°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	957.8	955.2	957.8	956.0	956.9	954.3	946.3	943.6	946.3	948.9	948.9
5°	969.3	967.4	969.3	969.3	968.4	966.6	957.8	956.0	957.8	958.7	956.9
7.5°	972.8	970.2	972.8	971.0	971.0	969.3	960.4	958.7	959.5	962.2	959.5
10°	972.8	970.2	972.8	971.9	971.0	969.3	960.4	956.9	956.9	959.5	956.9
12.5°	968.4	966.6	968.4	966.6	966.6	964.8	956.0	952.4	953.4	954.3	950.7
15°	961.3	958.7	961.3	959.5	960.4	957.8	948.0	944.5	944.5	946.3	940.1
17.5°	950.7	947.2	950.7	949.8	948.9	947.2	938.3	934.8	933.9	934.8	930.4
20°	938.3	935.7	938.3	937.4	937.4	933.9	925.1	920.6	920.6	920.6	916.2
22.5°	918.9	916.2	918.9	920.6	920.6	919.8	911.9	905.6	903.9	903.9	898.6
25°	896.8	894.2	896.8	896.8	896.0	896.8	894.2	890.6	888.0	885.3	880.1
27.5°	875.6	873.8	875.6	873.8	875.6	872.9	872.1	871.2	867.7	865.0	857.9
30°	854.4	852.7	854.4	852.7	850.9	849.1	844.7	842.9	846.4	844.7	833.2
32.5°	827.9	826.1	827.9	827.9	826.1	826.1	819.0	816.4	817.3	822.6	812.0
35°	800.5	797.8	800.5	799.6	800.5	797.8	793.5	792.6	789.0	795.2	787.2
37.5°	768.7	766.1	768.7	768.7	768.7	770.4	766.9	764.3	758.9	766.9	760.7
40°	736.0	732.5	736.0	735.1	736.0	737.8	736.0	734.3	728.9	735.1	729.8
42.5°	698.9	698.0	698.9	699.7	699.7	703.3	706.0	702.5	700.6	696.2	699.7
45°	659.2	657.3	659.2	660.9	661.8	663.6	671.5	671.5	668.8	661.8	667.1
47.5°	616.7	612.3	616.7	622.0	622.0	624.6	632.6	638.8	634.4	625.5	628.2
50°	571.7	572.6	571.7	575.2	575.2	584.9	591.1	597.2	601.7	591.1	578.7
52.5°	527.5	526.6	527.5	530.1	533.7	538.0	548.7	554.9	561.9	555.8	536.3
55°	483.3	485.1	483.3	484.2	486.0	488.6	504.5	510.7	523.9	516.0	495.7
57.5°	439.2	436.5	439.2	440.9	441.8	444.4	457.7	469.2	477.1	478.0	453.3
60°	387.9	384.3	387.9	395.9	397.6	399.4	411.7	422.4	429.4	432.0	406.5
62.5°	342.8	336.7	342.8	348.2	351.7	356.1	364.9	380.8	387.0	387.9	351.7
65°	295.1	292.5	295.1	305.7	306.6	311.9	321.6	333.1	346.3	344.6	292.5
67.5°	251.8	251.8	251.8	258.9	264.2	266.8	279.2	284.5	301.3	303.1	243.9
70°	212.0	211.1	212.0	217.4	220.9	227.0	238.5	244.8	258.0	262.4	197.9
72.5°	174.1	173.2	174.1	178.5	182.0	187.3	197.0	204.1	215.6	220.9	153.7
75°	140.5	138.7	140.5	144.0	143.2	150.2	158.2	165.2	175.8	179.3	114.0
77.5°	107.8	107.8	107.8	111.4	111.4	118.4	121.9	130.8	136.9	142.3	84.0
80°	80.4	79.5	80.4	81.3	81.3	84.8	91.0	97.2	102.5	102.5	57.4
82.5°	56.6	54.8	56.6	56.6	56.6	58.3	61.8	63.6	67.2	69.8	36.2
85°	35.3	35.3	35.3	36.2	35.3	37.2	38.0	39.8	39.8	38.0	22.0
87.5°	23.0	22.0	23.0	22.0	22.0	21.2	21.2	21.2	20.3	19.4	12.4
90°	5.0	5.0	5.0	5.0	5.0	6.7	8.9	10.0	8.6	5.8	3.7
92.5°	20.0	16.1	20.0	24.1	25.0	35.5	49.4	56.5	49.6	35.8	25.5
95°	70.0	58.0	70.0	82.1	85.1	111.7	147.3	165.0	139.4	88.1	49.6
97.5°	167.8	144.7	167.8	190.8	196.5	213.3	235.7	247.0	204.2	118.7	54.5
100°	241.7	214.3	241.7	269.0	275.9	274.6	273.0	272.2	224.8	129.8	58.6
102.5°	314.4	291.0	314.4	337.9	343.8	322.2	293.6	279.3	231.2	134.9	62.7
105°	407.2	394.5	407.2	419.7	422.9	374.8	310.6	278.5	231.9	138.7	68.8
107.5°	467.9	470.9	467.9	464.9	464.1	397.0	307.5	262.7	221.6	139.4	77.7
110°	491.1	504.2	491.1	477.9	474.6	399.6	299.6	249.5	212.5	138.3	82.7





TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	493.1	513.3	493.1	472.9	467.9	391.1	288.7	237.5	204.5	138.3	88.8
115°	480.0	508.0	480.0	452.1	445.0	371.1	272.4	223.1	195.2	139.6	97.9
117.5°	452.3	483.3	452.3	421.2	413.5	346.8	257.8	213.3	189.5	142.2	106.7
120°	430.0	460.1	430.0	399.9	392.3	331.3	250.0	209.3	187.7	144.4	111.9
122.5°	408.2	437.9	408.2	378.5	371.1	316.1	242.9	206.2	186.6	147.4	118.0
125°	377.1	404.5	377.1	349.8	343.0	296.3	234.1	203.0	185.8	151.5	125.8
127.5°	349.3	372.4	349.3	326.2	320.4	280.4	226.9	200.2	185.3	155.5	133.2
130°	332.8	354.1	332.8	311.4	306.1	270.4	222.9	199.1	185.6	158.5	138.2
132.5°	317.9	337.0	317.9	298.7	294.0	262.1	219.5	198.2	185.8	161.0	142.4
135°	297.4	313.9	297.4	281.0	276.8	250.1	214.5	196.7	185.7	163.6	147.1
137.5°	281.1	294.5	281.1	267.5	264.2	241.6	211.5	196.4	186.8	167.6	153.2
140°	269.7	282.4	269.7	257.2	254.0	234.5	208.4	195.4	187.0	170.0	157.3
142.5°	260.4	271.3	260.4	249.6	246.9	229.8	206.8	195.4	187.6	172.0	160.3
145°	246.5	254.7	246.5	238.2	236.2	222.1	203.4	194.1	187.6	174.7	164.9
147.5°	235.7	242.5	235.7	228.9	227.2	216.1	201.5	194.1	188.9	178.6	170.7
150°	229.0	234.5	229.0	223.4	222.0	212.7	200.3	194.1	189.6	180.6	173.8
152.5°	223.2	227.4	223.2	219.0	218.0	210.0	199.4	194.1	190.1	181.9	175.7
155°	216.5	219.3	216.5	213.8	213.1	206.8	198.3	194.1	191.0	184.8	180.1
157.5°	211.3	213.3	211.3	209.4	208.9	203.9	197.4	194.1	192.0	187.7	184.4
160°	208.2	209.3	208.2	207.0	206.8	202.5	196.9	194.1	192.4	189.0	186.5
162.5°	206.1	207.2	206.1	205.1	204.8	201.2	196.5	194.1	192.9	190.4	188.6
165°	203.2	204.3	203.2	202.0	201.7	199.2	195.8	194.1	193.6	192.4	191.6
167.5°	201.0	201.5	201.0	200.5	200.4	198.8	196.6	195.4	195.0	194.0	193.3
170°	200.4	200.4	200.4	200.4	200.4	198.8	196.6	195.4	195.4	195.3	195.2
172.5°	198.8	198.5	198.8	199.3	199.4	198.1	196.3	195.4	195.4	195.4	195.4
175°	198.0	198.0	198.0	198.0	198.0	197.1	195.9	195.4	195.7	196.2	196.7
177.5°	197.1	196.7	197.1	197.6	197.7	197.0	196.1	195.7	195.9	196.3	196.7
180°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	947.2	941.9	941.9	933.0	929.5	926.9	922.4	909.2	905.6	902.1	907.4
5°	955.2	945.4	938.3	922.4	909.2	903.9	887.1	855.3	834.0	818.1	809.4
7.5°	956.9	944.5	931.3	906.5	874.7	860.6	809.4	751.0	735.1	721.0	712.1
10°	955.2	941.0	922.4	885.3	810.2	785.5	734.3	696.2	686.5	683.8	686.5
12.5°	948.9	935.7	910.1	848.2	743.0	726.3	696.2	674.2	672.3	676.8	700.6
15°	938.3	926.0	896.0	798.7	706.0	693.6	672.3	664.4	674.2	705.1	776.7
17.5°	927.7	913.6	876.5	750.2	677.7	668.8	653.8	669.7	724.5	766.1	789.9
20°	913.6	896.8	854.4	714.8	657.3	649.4	642.3	713.9	755.4	770.4	783.7
22.5°	896.8	879.1	824.4	690.1	636.2	630.0	634.4	738.7	755.4	766.1	777.6
25°	874.7	859.7	789.0	670.6	619.4	612.3	629.1	736.0	745.7	748.4	771.3
27.5°	854.4	834.9	751.9	652.9	599.1	596.4	633.5	724.5	731.6	734.3	758.9
30°	829.6	800.5	710.4	634.4	577.8	577.0	634.4	710.4	708.6	715.6	740.4
32.5°	804.0	749.3	663.6	611.4	557.5	556.7	628.2	689.2	687.4	697.1	715.6
35°	780.2	709.5	600.0	584.9	531.9	532.8	613.1	664.4	665.3	674.2	685.6
37.5°	755.4	675.1	530.1	555.8	507.1	507.1	592.9	641.4	639.7	642.3	658.3
40°	726.3	621.1	468.3	517.8	484.2	481.6	568.1	616.7	610.5	609.6	631.8
42.5°	695.4	561.9	422.4	467.4	457.7	454.2	538.0	586.7	575.2	577.8	606.1
45°	661.8	546.0	387.0	395.0	430.3	427.6	505.4	552.2	544.3	551.3	580.5
47.5°	628.2	514.2	375.5	327.8	401.1	400.2	469.2	518.6	514.2	521.3	552.2
50°	582.2	478.8	374.6	281.0	368.4	372.0	425.9	486.0	486.0	492.1	524.9
52.5°	523.0	435.5	340.2	254.4	330.4	341.0	387.9	457.7	459.4	465.7	494.7
55°	469.2	390.5	315.4	234.2	285.4	308.4	350.8	428.5	432.0	438.3	464.7
57.5°	419.7	325.1	310.1	210.3	243.9	265.9	318.1	400.2	402.0	407.4	432.9
60°	366.7	235.0	284.5	184.6	207.6	224.4	288.0	366.7	372.8	376.4	398.5
62.5°	306.6	170.6	258.0	167.0	190.0	193.5	263.3	334.9	342.8	345.4	358.7
65°	218.3	143.2	219.1	151.9	171.4	172.3	236.8	302.1	309.2	313.6	323.4
67.5°	147.6	116.6	167.0	137.8	157.3	158.2	211.1	264.2	273.9	277.5	283.6
70°	102.5	77.7	123.7	122.8	141.4	143.2	183.7	229.8	238.5	241.2	244.8
72.5°	75.1	62.7	102.5	110.4	124.5	126.4	155.5	190.9	199.7	202.4	204.1
75°	57.4	66.2	83.1	96.3	106.0	106.9	127.3	155.5	161.7	163.5	164.3
77.5°	45.9	61.8	61.0	77.7	86.6	84.8	99.9	120.2	125.4	125.4	125.4
80°	34.4	48.6	45.9	55.7	63.6	61.8	71.6	85.7	87.5	89.2	88.4
82.5°	25.6	30.9	30.9	35.3	42.4	40.7	47.7	55.7	55.7	55.7	57.4
85°	15.9	17.7	14.1	18.5	23.9	23.0	26.5	30.0	30.9	30.9	29.2
87.5°	9.7	8.0	4.4	7.0	10.6	10.6	12.4	13.3	12.4	12.4	12.4
90°	3.4	2.4	1.3	2.4	3.4	3.7	5.8	8.6	10.0	8.9	6.7
92.5°	23.2	14.2	5.3	14.2	23.2	25.5	35.8	49.6	56.5	49.4	35.5
95°	45.5	29.1	12.6	29.1	45.5	49.6	88.1	139.4	165.0	147.3	111.7
97.5°	50.9	36.4	21.9	36.4	50.9	54.5	118.7	204.2	247.0	235.7	213.3
100°	55.3	42.2	29.1	42.2	55.3	58.6	129.8	224.8	272.2	273.0	274.6
102.5°	59.6	47.4	35.1	47.4	59.6	62.7	134.9	231.2	279.3	293.6	322.2
105°	66.1	55.8	45.4	55.8	66.1	68.8	138.7	231.9	278.5	310.6	374.8
107.5°	75.3	65.6	55.9	65.6	75.3	77.7	139.4	221.6	262.7	307.5	397.0
110°	80.5	71.8	63.1	71.8	80.5	82.7	138.3	212.5	249.5	299.6	399.6



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	86.7	78.4	70.1	78.4	86.7	88.8	138.3	204.5	237.5	288.7	391.1
115°	96.0	88.4	80.6	88.4	96.0	97.9	139.6	195.2	223.1	272.4	371.1
117.5°	105.0	98.0	91.1	98.0	105.0	106.7	142.2	189.5	213.3	257.8	346.8
120°	110.2	103.7	97.1	103.7	110.2	111.9	144.4	187.7	209.3	250.0	331.3
122.5°	116.3	109.7	103.0	109.7	116.3	118.0	147.4	186.6	206.2	242.9	316.1
125°	124.3	118.2	112.2	118.2	124.3	125.8	151.5	185.8	203.0	234.1	296.3
127.5°	131.7	125.6	119.5	125.6	131.7	133.2	155.5	185.3	200.2	226.9	280.4
130°	136.6	130.1	123.5	130.1	136.6	138.2	158.5	185.6	199.1	222.9	270.4
132.5°	140.7	134.2	127.6	134.2	140.7	142.4	161.0	185.8	198.2	219.5	262.1
135°	145.6	139.6	133.7	139.6	145.6	147.1	163.6	185.7	196.7	214.5	250.1
137.5°	151.7	145.8	139.9	145.8	151.7	153.2	167.6	186.8	196.4	211.5	241.6
140°	155.9	150.5	145.0	150.5	155.9	157.3	170.0	187.0	195.4	208.4	234.5
142.5°	159.1	154.0	149.0	154.0	159.1	160.3	172.0	187.6	195.4	206.8	229.8
145°	163.8	159.4	155.0	159.4	163.8	164.9	174.7	187.6	194.1	203.4	222.1
147.5°	169.7	165.4	161.1	165.4	169.7	170.7	178.6	188.9	194.1	201.5	216.1
150°	172.8	168.9	165.0	168.9	172.8	173.8	180.6	189.6	194.1	200.3	212.7
152.5°	175.0	172.1	169.2	172.1	175.0	175.7	181.9	190.1	194.1	199.4	210.0
155°	179.6	177.4	175.2	177.4	179.6	180.1	184.8	191.0	194.1	198.3	206.8
157.5°	183.9	181.8	179.7	181.8	183.9	184.4	187.7	192.0	194.1	197.4	203.9
160°	186.0	184.4	182.8	184.4	186.0	186.5	189.0	192.4	194.1	196.9	202.5
162.5°	188.2	187.0	185.8	187.0	188.2	188.6	190.4	192.9	194.1	196.5	201.2
165°	191.3	190.2	189.1	190.2	191.3	191.6	192.4	193.6	194.1	195.8	199.2
167.5°	193.1	192.6	192.1	192.6	193.1	193.3	194.0	195.0	195.4	196.6	198.8
170°	195.2	194.6	194.1	194.6	195.2	195.2	195.3	195.4	195.4	196.6	198.8
172.5°	195.4	195.2	195.2	195.2	195.4	195.4	195.4	195.4	195.4	196.3	198.1
175°	196.7	196.7	196.7	196.7	196.7	196.7	196.2	195.7	195.4	195.9	197.1
177.5°	196.7	196.7	196.7	196.7	196.7	196.7	196.3	195.9	195.7	196.1	197.0
180°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	901.2	898.6	902.1	892.4	902.1	898.6	901.2	907.4	902.1	905.6	909.2
5°	790.8	786.3	772.2	760.7	772.2	786.3	790.8	809.4	818.1	834.0	855.3
7.5°	706.9	703.3	699.7	692.7	699.7	703.3	706.9	712.1	721.0	735.1	751.0
10°	688.3	689.2	694.5	693.6	694.5	689.2	688.3	686.5	683.8	686.5	696.2
12.5°	736.0	743.9	773.1	771.3	773.1	743.9	736.0	700.6	676.8	672.3	674.2
15°	790.8	793.5	799.6	800.5	799.6	793.5	790.8	776.7	705.1	674.2	664.4
17.5°	796.1	797.0	801.4	801.4	801.4	797.0	796.1	789.9	766.1	724.5	669.7
20°	791.7	793.5	802.2	804.0	802.2	793.5	791.7	783.7	770.4	755.4	713.9
22.5°	789.9	793.5	800.5	799.6	800.5	793.5	789.9	777.6	766.1	755.4	738.7
25°	781.1	781.1	782.0	782.8	782.0	781.1	781.1	771.3	748.4	745.7	736.0
27.5°	762.5	764.3	769.6	768.7	769.6	764.3	762.5	758.9	734.3	731.6	724.5
30°	745.7	743.9	739.5	736.0	739.5	743.9	745.7	740.4	715.6	708.6	710.4
32.5°	717.5	713.0	708.6	706.0	708.6	713.0	717.5	715.6	697.1	687.4	689.2
35°	683.8	684.7	683.8	681.2	683.8	684.7	683.8	685.6	674.2	665.3	664.4
37.5°	660.0	661.8	660.9	657.3	660.9	661.8	660.0	658.3	642.3	639.7	641.4
40°	635.3	636.2	635.3	632.6	635.3	636.2	635.3	631.8	609.6	610.5	616.7
42.5°	611.4	610.5	607.9	606.1	607.9	610.5	611.4	606.1	577.8	575.2	586.7
45°	584.1	584.9	579.6	577.0	579.6	584.9	584.1	580.5	551.3	544.3	552.2
47.5°	556.7	556.7	552.2	549.6	552.2	556.7	556.7	552.2	521.3	514.2	518.6
50°	527.5	526.6	520.4	519.5	520.4	526.6	527.5	524.9	492.1	486.0	486.0
52.5°	493.9	493.9	494.7	496.6	494.7	493.9	493.9	494.7	465.7	459.4	457.7
55°	464.7	465.7	471.8	473.6	471.8	465.7	464.7	464.7	438.3	432.0	428.5
57.5°	434.7	434.7	439.2	439.2	439.2	434.7	434.7	432.9	407.4	402.0	400.2
60°	400.2	402.0	405.5	404.6	405.5	402.0	400.2	398.5	376.4	372.8	366.7
62.5°	364.1	365.8	366.7	364.9	366.7	365.8	364.1	358.7	345.4	342.8	334.9
65°	326.0	327.8	328.7	326.9	328.7	327.8	326.0	323.4	313.6	309.2	302.1
67.5°	287.1	286.2	285.4	289.0	285.4	286.2	287.1	283.6	277.5	273.9	264.2
70°	247.4	247.4	246.5	248.3	246.5	247.4	247.4	244.8	241.2	238.5	229.8
72.5°	205.0	204.1	207.6	205.0	207.6	204.1	205.0	204.1	202.4	199.7	190.9
75°	163.5	165.2	163.5	166.1	163.5	165.2	163.5	164.3	163.5	161.7	155.5
77.5°	124.5	126.4	124.5	124.5	124.5	126.4	124.5	125.4	125.4	125.4	120.2
80°	88.4	87.5	87.5	86.6	87.5	87.5	88.4	88.4	89.2	87.5	85.7
82.5°	56.6	55.7	55.7	57.4	55.7	55.7	56.6	57.4	55.7	55.7	55.7
85°	30.9	31.8	30.0	30.0	30.0	31.8	30.9	29.2	30.9	30.9	30.0
87.5°	11.5	10.6	10.6	10.6	10.6	10.6	11.5	12.4	12.4	12.4	13.3
90°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	8.9	10.0	8.6
92.5°	25.0	24.1	20.0	16.1	20.0	24.1	25.0	35.5	49.4	56.5	49.6
95°	85.1	82.1	70.0	58.0	70.0	82.1	85.1	111.7	147.3	165.0	139.4
97.5°	196.5	190.8	167.8	144.7	167.8	190.8	196.5	213.3	235.7	247.0	204.2
100°	275.9	269.0	241.7	214.3	241.7	269.0	275.9	274.6	273.0	272.2	224.8
102.5°	343.8	337.9	314.4	291.0	314.4	337.9	343.8	322.2	293.6	279.3	231.2
105°	422.9	419.7	407.2	394.5	407.2	419.7	422.9	374.8	310.6	278.5	231.9
107.5°	464.1	464.9	467.9	470.9	467.9	464.9	464.1	397.0	307.5	262.7	221.6
110°	474.6	477.9	491.1	504.2	491.1	477.9	474.6	399.6	299.6	249.5	212.5



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	467.9	472.9	493.1	513.3	493.1	472.9	467.9	391.1	288.7	237.5	204.5
115°	445.0	452.1	480.0	508.0	480.0	452.1	445.0	371.1	272.4	223.1	195.2
117.5°	413.5	421.2	452.3	483.3	452.3	421.2	413.5	346.8	257.8	213.3	189.5
120°	392.3	399.9	430.0	460.1	430.0	399.9	392.3	331.3	250.0	209.3	187.7
122.5°	371.1	378.5	408.2	437.9	408.2	378.5	371.1	316.1	242.9	206.2	186.6
125°	343.0	349.8	377.1	404.5	377.1	349.8	343.0	296.3	234.1	203.0	185.8
127.5°	320.4	326.2	349.3	372.4	349.3	326.2	320.4	280.4	226.9	200.2	185.3
130°	306.1	311.4	332.8	354.1	332.8	311.4	306.1	270.4	222.9	199.1	185.6
132.5°	294.0	298.7	317.9	337.0	317.9	298.7	294.0	262.1	219.5	198.2	185.8
135°	276.8	281.0	297.4	313.9	297.4	281.0	276.8	250.1	214.5	196.7	185.7
137.5°	264.2	267.5	281.1	294.5	281.1	267.5	264.2	241.6	211.5	196.4	186.8
140°	254.0	257.2	269.7	282.4	269.7	257.2	254.0	234.5	208.4	195.4	187.0
142.5°	246.9	249.6	260.4	271.3	260.4	249.6	246.9	229.8	206.8	195.4	187.6
145°	236.2	238.2	246.5	254.7	246.5	238.2	236.2	222.1	203.4	194.1	187.6
147.5°	227.2	228.9	235.7	242.5	235.7	228.9	227.2	216.1	201.5	194.1	188.9
150°	222.0	223.4	229.0	234.5	229.0	223.4	222.0	212.7	200.3	194.1	189.6
152.5°	218.0	219.0	223.2	227.4	223.2	219.0	218.0	210.0	199.4	194.1	190.1
155°	213.1	213.8	216.5	219.3	216.5	213.8	213.1	206.8	198.3	194.1	191.0
157.5°	208.9	209.4	211.3	213.3	211.3	209.4	208.9	203.9	197.4	194.1	192.0
160°	206.8	207.0	208.2	209.3	208.2	207.0	206.8	202.5	196.9	194.1	192.4
162.5°	204.8	205.1	206.1	207.2	206.1	205.1	204.8	201.2	196.5	194.1	192.9
165°	201.7	202.0	203.2	204.3	203.2	202.0	201.7	199.2	195.8	194.1	193.6
167.5°	200.4	200.5	201.0	201.5	201.0	200.5	200.4	198.8	196.6	195.4	195.0
170°	200.4	200.4	200.4	200.4	200.4	200.4	200.4	198.8	196.6	195.4	195.4
172.5°	199.4	199.3	198.8	198.5	198.8	199.3	199.4	198.1	196.3	195.4	195.4
175°	198.0	198.0	198.0	198.0	198.0	198.0	198.0	197.1	195.9	195.4	195.7
177.5°	197.7	197.6	197.1	196.7	197.1	197.6	197.7	197.0	196.1	195.7	195.9
180°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	933.9	933.9	933.9	933.9	933.9
2.5°	922.4	926.9	929.5	933.0	941.9
5°	887.1	903.9	909.2	922.4	938.3
7.5°	809.4	860.6	874.7	906.5	931.3
10°	734.3	785.5	810.2	885.3	922.4
12.5°	696.2	726.3	743.0	848.2	910.1
15°	672.3	693.6	706.0	798.7	896.0
17.5°	653.8	668.8	677.7	750.2	876.5
20°	642.3	649.4	657.3	714.8	854.4
22.5°	634.4	630.0	636.2	690.1	824.4
25°	629.1	612.3	619.4	670.6	789.0
27.5°	633.5	596.4	599.1	652.9	751.9
30°	634.4	577.0	577.8	634.4	710.4
32.5°	628.2	556.7	557.5	611.4	663.6
35°	613.1	532.8	531.9	584.9	600.0
37.5°	592.9	507.1	507.1	555.8	530.1
40°	568.1	481.6	484.2	517.8	468.3
42.5°	538.0	454.2	457.7	467.4	422.4
45°	505.4	427.6	430.3	395.0	387.0
47.5°	469.2	400.2	401.1	327.8	375.5
50°	425.9	372.0	368.4	281.0	374.6
52.5°	387.9	341.0	330.4	254.4	340.2
55°	350.8	308.4	285.4	234.2	315.4
57.5°	318.1	265.9	243.9	210.3	310.1
60°	288.0	224.4	207.6	184.6	284.5
62.5°	263.3	193.5	190.0	167.0	258.0
65°	236.8	172.3	171.4	151.9	219.1
67.5°	211.1	158.2	157.3	137.8	167.0
70°	183.7	143.2	141.4	122.8	123.7
72.5°	155.5	126.4	124.5	110.4	102.5
75°	127.3	106.9	106.0	96.3	83.1
77.5°	99.9	84.8	86.6	77.7	61.0
80°	71.6	61.8	63.6	55.7	45.9
82.5°	47.7	40.7	42.4	35.3	30.9
85°	26.5	23.0	23.9	18.5	14.1
87.5°	12.4	10.6	10.6	7.0	4.4
90°	5.8	3.7	3.4	2.4	1.3
92.5°	35.8	25.5	23.2	14.2	5.3
95°	88.1	49.6	45.5	29.1	12.6
97.5°	118.7	54.5	50.9	36.4	21.9
100°	129.8	58.6	55.3	42.2	29.1
102.5°	134.9	62.7	59.6	47.4	35.1
105°	138.7	68.8	66.1	55.8	45.4
107.5°	139.4	77.7	75.3	65.6	55.9
110°	138.3	82.7	80.5	71.8	63.1



TEST NUMBER: P933861

CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	138.3	88.8	86.7	78.4	70.1
115°	139.6	97.9	96.0	88.4	80.6
117.5°	142.2	106.7	105.0	98.0	91.1
120°	144.4	111.9	110.2	103.7	97.1
122.5°	147.4	118.0	116.3	109.7	103.0
125°	151.5	125.8	124.3	118.2	112.2
127.5°	155.5	133.2	131.7	125.6	119.5
130°	158.5	138.2	136.6	130.1	123.5
132.5°	161.0	142.4	140.7	134.2	127.6
135°	163.6	147.1	145.6	139.6	133.7
137.5°	167.6	153.2	151.7	145.8	139.9
140°	170.0	157.3	155.9	150.5	145.0
142.5°	172.0	160.3	159.1	154.0	149.0
145°	174.7	164.9	163.8	159.4	155.0
147.5°	178.6	170.7	169.7	165.4	161.1
150°	180.6	173.8	172.8	168.9	165.0
152.5°	181.9	175.7	175.0	172.1	169.2
155°	184.8	180.1	179.6	177.4	175.2
157.5°	187.7	184.4	183.9	181.8	179.7
160°	189.0	186.5	186.0	184.4	182.8
162.5°	190.4	188.6	188.2	187.0	185.8
165°	192.4	191.6	191.3	190.2	189.1
167.5°	194.0	193.3	193.1	192.6	192.1
170°	195.3	195.2	195.2	194.6	194.1
172.5°	195.4	195.4	195.4	195.2	195.2
175°	196.2	196.7	196.7	196.7	196.7
177.5°	196.3	196.7	196.7	196.7	196.7
180°	196.7	196.7	196.7	196.7	196.7



TEST NUMBER: P933861  
 CATALOG NUMBER: SQ4-FA-025U-050D-93050-1D-UNV-STD-W-6-3000K

**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	12.22	13.24	13.03	14.07	15.10	15.04	16.06	15.85	16.90	17.93
	3H	12.71	13.62	13.53	14.47	15.53	16.40	17.31	17.22	18.16	19.22
	4H	12.91	13.77	13.75	14.62	15.69	16.85	17.71	17.69	18.56	19.63
	6H	13.03	13.83	13.89	14.69	15.77	17.14	17.94	17.99	18.80	19.88
	8H	13.04	13.80	13.90	14.67	15.76	17.22	17.98	18.08	18.85	19.94
	12H	13.01	13.74	13.88	14.61	15.72	17.26	17.99	18.13	18.86	19.97
4H	2H	13.27	14.13	14.11	14.98	16.05	15.47	16.34	16.32	17.19	18.26
	3H	14.31	15.03	15.17	15.91	17.00	16.99	17.71	17.85	18.59	19.68
	4H	14.59	15.25	15.46	16.13	17.24	17.52	18.18	18.39	19.06	20.17
	6H	14.73	15.29	15.61	16.20	17.31	17.90	18.46	18.78	19.37	20.48
	8H	14.74	15.27	15.63	16.17	17.29	18.01	18.54	18.89	19.44	20.56
	12H	14.71	15.19	15.62	16.11	17.24	18.07	18.55	18.98	19.47	20.60
8H	4H	15.06	15.59	15.95	16.49	17.62	17.66	18.19	18.55	19.09	20.22
	6H	15.33	15.76	16.24	16.71	17.83	18.10	18.54	19.02	19.48	20.61
	8H	15.37	15.76	16.30	16.69	17.84	18.26	18.64	19.18	19.58	20.72
	12H	15.36	15.70	16.29	16.63	17.83	18.36	18.70	19.29	19.63	20.82
12H	4H	15.07	15.55	15.98	16.47	17.60	17.63	18.11	18.54	19.03	20.16
	6H	15.39	15.78	16.31	16.71	17.86	18.10	18.49	19.03	19.42	20.57
	8H	15.46	15.80	16.39	16.73	17.93	18.27	18.61	19.20	19.54	20.73