

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: P934241

Luminaire Tested: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934241
REPORT IS A COMBINATION OF REPORTS P933691 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

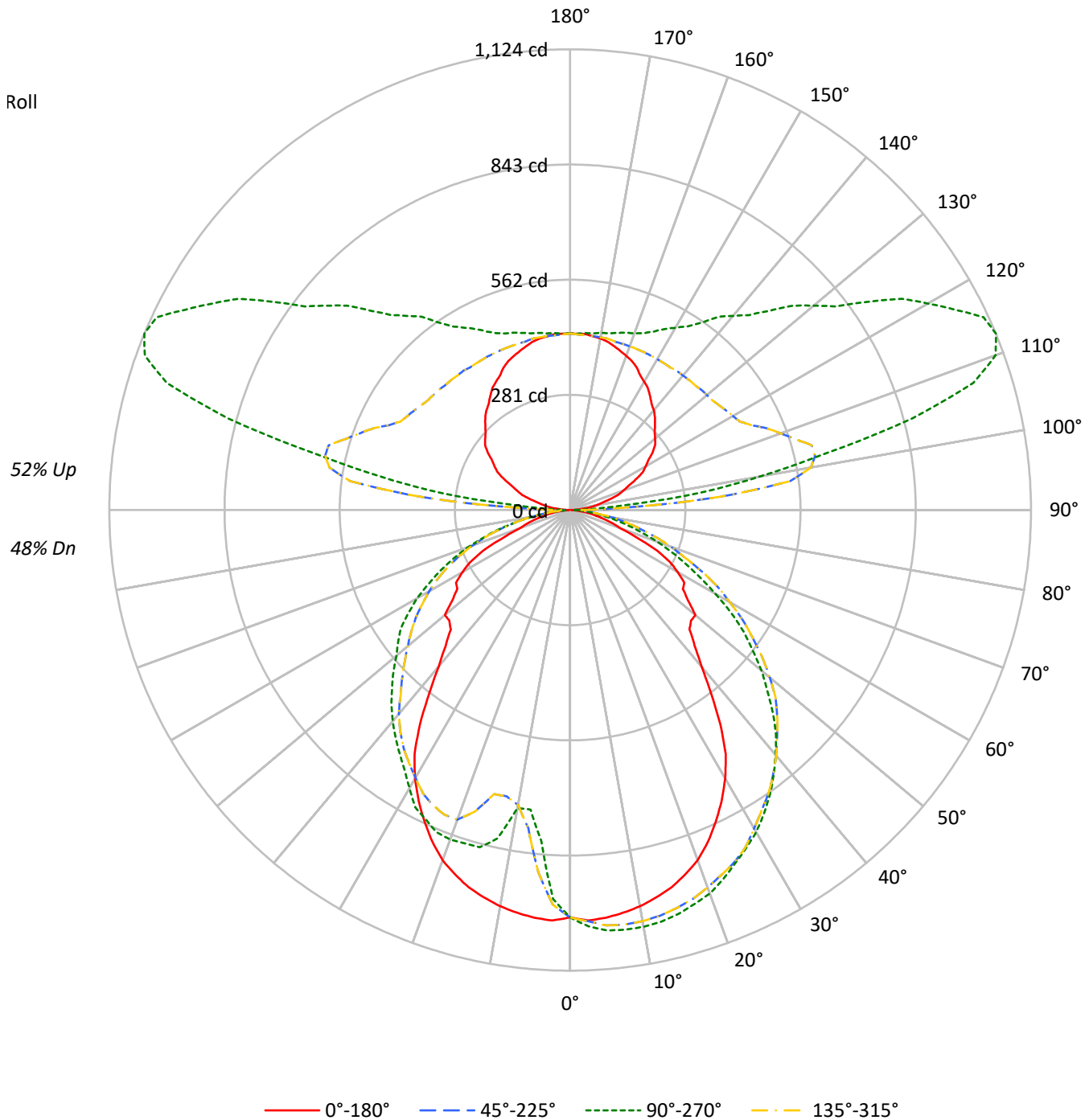
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5369.9 lumens
Efficiency: N/A
Efficacy: 126.1 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: General Diffuse

Input Watts (W): 42.6
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: P934241
CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6148	6148	6148	6148
5°	6191	6206	6191	4880
10°	6148	6114	6148	4371
15°	6079	5981	6079	4994
20°	5950	5824	5950	5004
25°	5687	5596	5687	4899
30°	5349	5406	5349	4666
35°	4766	5165	4766	4410
40°	3969	4882	3969	4217
45°	3544	4550	3544	3994
50°	3762	4156	3762	3771
55°	3536	3730	3536	3642
60°	3641	3168	3641	3335
65°	3296	2620	3296	2928
70°	2276	2087	2276	2454
75°	1989	1543	1989	1848
80°	1592	1020	1592	1111
85°	894	540	894	460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5435 cd/sqm



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	1.7
10°-20°	254.7	4.7
20°-30°	393.8	7.3
30°-40°	470.1	8.8
40°-50°	472.8	8.8
50°-60°	411.4	7.7
60°-70°	291.7	5.4
70°-80°	154.3	2.9
80°-90°	40.1	0.7
90°-100°	209.9	3.9
100°-110°	551.8	10.3
110°-120°	572.2	10.7
120°-130°	458.9	8.5
130°-140°	360.1	6.7
140°-150°	276.4	5.1
150°-160°	199.1	3.7
160°-170°	121.8	2.3
170°-180°	41.1	0.8
0°-30°	738.2	13.7
0°-40°	1208.3	22.5
0°-60°	2092.5	39.0
0°-90°	2578.6	48.0
90°-120°	1333.8	24.8
90°-150°	2429.3	45.2
90°-180°	2791.0	52.0
0°-180°	5369.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	994	994	994	994	994	
5°	998	1030	998	810	998	95
15°	954	1020	954	852	954	268
25°	840	952	840	833	840	386
35°	638	849	638	725	638	395
45°	412	700	412	614	412	330
55°	336	516	336	504	336	308
65°	233	311	233	348	233	223
75°	88	148	88	177	88	93
85°	15	38	15	32	15	20
90°	3	11	3	11	3	3
95°	28	127	28	127	28	31
105°	100	864	100	864	100	105
115°	177	1113	177	1113	177	174
125°	246	886	246	886	246	218
135°	293	688	293	688	293	226
145°	340	558	340	558	340	213
155°	384	480	384	480	384	176
165°	414	447	414	447	414	117
175°	431	433	431	433	431	41
180°	431	431	431	431	431	



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1002.4	1002.4	1008.0	1009.9	1009.9	1007.1	1004.2	1007.1	1015.6	1018.4	1017.4
5°	998.5	1006.1	1016.5	1018.4	1020.2	1019.3	1017.4	1019.3	1028.6	1030.6	1031.5
7.5°	991.1	1005.2	1018.4	1021.2	1024.0	1021.2	1020.2	1022.1	1031.5	1033.4	1033.4
10°	981.6	1001.4	1016.5	1018.4	1021.2	1018.4	1018.4	1022.1	1031.5	1033.4	1034.3
12.5°	968.5	995.7	1009.9	1011.7	1015.6	1014.6	1013.6	1017.4	1026.8	1028.6	1028.6
15°	953.5	985.5	998.5	1000.5	1007.1	1005.2	1005.2	1008.9	1019.3	1022.1	1021.2
17.5°	932.7	972.3	987.3	990.1	994.8	993.9	994.8	998.5	1008.0	1009.9	1010.8
20°	909.3	954.4	972.3	975.1	979.8	979.8	979.8	984.5	993.9	997.6	997.6
22.5°	877.3	935.5	954.4	956.3	961.9	961.9	963.8	970.4	978.8	979.8	979.8
25°	839.6	914.9	930.9	936.6	942.2	945.0	947.8	951.6	954.4	953.5	954.4
27.5°	800.2	888.5	909.3	913.0	920.6	923.4	927.1	928.1	929.0	931.8	929.9
30°	756.0	851.9	882.9	886.7	898.9	900.8	897.0	898.9	903.6	905.5	907.4
32.5°	706.2	797.4	855.6	864.1	875.4	869.7	868.8	871.6	879.2	879.2	881.1
35°	638.5	755.1	830.3	837.8	846.3	839.6	843.5	844.4	849.1	851.9	851.0
37.5°	564.2	718.4	803.9	809.5	816.2	807.7	813.4	816.2	819.9	818.1	818.1
40°	498.4	661.0	772.9	776.6	782.3	775.7	781.4	783.3	785.2	783.3	782.3
42.5°	449.5	598.0	740.0	744.7	740.9	745.6	747.6	751.3	748.5	744.7	744.7
45°	411.8	581.1	704.3	709.9	704.3	711.8	714.6	714.6	706.2	704.3	703.4
47.5°	399.6	547.3	668.6	668.6	665.7	675.1	679.8	673.3	664.8	662.0	662.0
50°	398.7	509.6	619.6	615.9	629.1	640.4	635.6	629.1	622.5	612.1	612.1
52.5°	362.0	463.5	556.6	570.7	591.5	598.0	590.5	583.9	572.6	567.9	564.2
55°	335.7	415.6	499.3	527.5	549.1	557.6	543.5	536.9	520.0	517.2	515.3
57.5°	330.0	346.0	446.6	482.4	508.7	507.7	499.3	487.1	473.0	470.2	469.2
60°	302.8	250.1	390.2	432.6	459.8	457.0	449.5	438.2	425.0	423.1	421.3
62.5°	274.5	181.5	326.3	374.3	412.8	411.8	405.3	388.4	378.9	374.3	370.5
65°	233.2	152.4	232.3	311.3	366.7	368.6	354.5	342.3	331.9	326.3	325.4
67.5°	177.7	124.1	157.0	259.6	322.6	320.6	302.8	297.1	284.0	281.2	275.6
70°	131.6	82.7	109.1	210.6	279.3	274.5	260.5	253.9	241.6	235.1	231.3
72.5°	109.1	66.7	79.9	163.6	235.1	229.5	217.2	209.7	199.4	193.7	189.9
75°	88.4	70.5	61.1	121.3	190.9	187.1	175.8	168.3	159.8	152.4	153.3
77.5°	64.9	65.8	48.9	89.4	151.4	145.7	139.2	129.7	126.0	118.5	118.5
80°	48.9	51.7	36.6	61.1	109.1	109.1	103.5	96.8	90.3	86.6	86.6
82.5°	32.9	32.9	27.3	38.5	74.3	71.5	67.7	65.8	62.1	60.2	60.2
85°	15.0	18.8	16.9	23.5	40.5	42.3	42.3	40.5	39.5	37.6	38.5
87.5°	4.7	8.5	10.4	13.2	20.7	21.6	22.5	22.5	22.5	23.5	23.5
90°	2.9	5.2	7.6	8.1	12.7	18.9	22.0	19.5	14.6	10.9	10.9
92.5°	11.6	31.2	50.8	55.8	78.4	108.6	123.7	108.3	77.8	54.9	52.7
95°	27.8	63.7	99.6	108.6	192.9	305.4	361.5	322.7	244.8	186.4	179.7
97.5°	48.0	79.7	111.4	119.4	259.9	447.4	541.0	516.4	467.2	430.2	417.6
100°	63.6	92.3	121.1	128.3	284.2	492.2	596.2	597.9	601.6	604.3	589.3
102.5°	76.8	103.8	130.6	137.3	295.5	506.3	611.8	643.1	705.8	752.8	740.0
105°	99.5	122.2	144.9	150.6	303.7	507.9	610.0	680.3	820.8	926.2	919.3
107.5°	122.5	143.8	164.9	170.2	305.3	485.3	575.3	673.3	869.3	1016.3	1018.0
110°	138.1	157.2	176.4	181.1	302.9	465.3	546.4	656.0	875.2	1039.5	1046.7



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	153.5	171.7	189.9	194.5	303.0	447.8	520.2	632.3	856.6	1024.7	1035.7
115°	176.6	193.4	210.2	214.4	305.8	427.7	488.7	596.7	812.7	974.7	990.0
117.5°	199.4	214.7	229.9	233.8	311.5	415.2	467.0	564.5	759.4	905.6	922.6
120°	212.6	227.0	241.4	245.1	316.1	410.9	458.3	547.4	725.5	859.1	875.6
122.5°	225.7	240.2	254.7	258.4	322.8	408.7	451.6	531.8	692.3	812.6	828.9
125°	245.6	258.8	272.1	275.4	331.7	406.9	444.5	512.6	648.9	751.0	766.0
127.5°	261.8	275.2	288.5	291.9	340.7	405.8	438.4	496.9	613.8	701.6	714.2
130°	270.5	284.9	299.3	302.8	347.2	406.4	436.0	488.1	592.3	670.5	682.1
132.5°	279.5	293.9	308.3	311.8	352.6	406.9	434.1	480.7	573.9	643.8	654.3
135°	292.7	305.8	318.9	322.2	358.4	406.5	430.6	469.7	547.7	606.3	615.3
137.5°	306.3	319.3	332.2	335.5	367.0	408.9	430.0	463.0	529.0	578.5	585.9
140°	317.6	329.6	341.4	344.4	372.3	409.4	428.0	456.5	513.5	556.2	563.2
142.5°	326.2	337.2	348.3	351.1	376.7	410.9	428.0	453.1	503.1	540.6	546.6
145°	339.6	349.2	358.8	361.3	382.6	410.9	425.1	445.6	486.5	517.3	521.8
147.5°	352.9	362.2	371.6	374.0	391.0	413.7	425.1	441.2	473.4	497.6	501.4
150°	361.5	370.1	378.5	380.6	395.5	415.2	425.1	438.8	466.0	486.3	489.3
152.5°	370.4	376.9	383.3	384.9	398.3	416.1	425.1	436.7	460.0	477.4	479.6
155°	383.8	388.6	393.2	394.4	404.6	418.3	425.1	434.4	452.9	466.7	468.2
157.5°	393.6	398.2	402.9	404.0	411.0	420.4	425.1	432.3	446.7	457.4	458.5
160°	400.2	403.8	407.3	408.3	413.9	421.4	425.1	431.3	443.6	452.9	453.4
162.5°	406.9	409.6	412.3	413.0	417.0	422.4	425.1	430.3	440.7	448.5	449.0
165°	414.1	416.5	418.9	419.6	421.5	423.9	425.1	428.8	436.2	441.8	442.5
167.5°	420.7	421.8	423.0	423.3	424.9	427.0	428.0	430.4	435.3	438.9	439.2
170°	425.1	426.2	427.4	427.7	427.8	427.9	428.0	430.4	435.3	438.9	438.9
172.5°	427.4	427.7	427.9	428.0	428.0	428.0	428.0	429.9	433.7	436.6	436.4
175°	430.6	430.6	430.6	430.6	429.8	428.6	428.0	429.2	431.6	433.4	433.4
177.5°	430.6	430.6	430.6	430.6	430.0	429.0	428.6	429.5	431.5	432.9	432.6
180°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1019.3	1016.5	1019.3	1017.4	1018.4	1015.6	1007.1	1004.2	1007.1	1009.9	1009.9
5°	1031.5	1029.6	1031.5	1031.5	1030.6	1028.6	1019.3	1017.4	1019.3	1020.2	1018.4
7.5°	1035.3	1032.5	1035.3	1033.4	1033.4	1031.5	1022.1	1020.2	1021.2	1024.0	1021.2
10°	1035.3	1032.5	1035.3	1034.3	1033.4	1031.5	1022.1	1018.4	1018.4	1021.2	1018.4
12.5°	1030.6	1028.6	1030.6	1028.6	1028.6	1026.8	1017.4	1013.6	1014.6	1015.6	1011.7
15°	1023.0	1020.2	1023.0	1021.2	1022.1	1019.3	1008.9	1005.2	1005.2	1007.1	1000.5
17.5°	1011.7	1008.0	1011.7	1010.8	1009.9	1008.0	998.5	994.8	993.9	994.8	990.1
20°	998.5	995.7	998.5	997.6	997.6	993.9	984.5	979.8	979.8	979.8	975.1
22.5°	977.9	975.1	977.9	979.8	979.8	978.8	970.4	963.8	961.9	961.9	956.3
25°	954.4	951.6	954.4	954.4	953.5	954.4	951.6	947.8	945.0	942.2	936.6
27.5°	931.8	929.9	931.8	929.9	931.8	929.0	928.1	927.1	923.4	920.6	913.0
30°	909.3	907.4	909.3	907.4	905.5	903.6	898.9	897.0	900.8	898.9	886.7
32.5°	881.1	879.2	881.1	881.1	879.2	879.2	871.6	868.8	869.7	875.4	864.1
35°	851.9	849.1	851.9	851.0	851.9	849.1	844.4	843.5	839.6	846.3	837.8
37.5°	818.1	815.3	818.1	818.1	818.1	819.9	816.2	813.4	807.7	816.2	809.5
40°	783.3	779.5	783.3	782.3	783.3	785.2	783.3	781.4	775.7	782.3	776.6
42.5°	743.7	742.8	743.7	744.7	744.7	748.5	751.3	747.6	745.6	740.9	744.7
45°	701.5	699.5	701.5	703.4	704.3	706.2	714.6	714.6	711.8	704.3	709.9
47.5°	656.4	651.6	656.4	662.0	662.0	664.8	673.3	679.8	675.1	665.7	668.6
50°	608.4	609.3	608.4	612.1	612.1	622.5	629.1	635.6	640.4	629.1	615.9
52.5°	561.4	560.4	561.4	564.2	567.9	572.6	583.9	590.5	598.0	591.5	570.7
55°	514.4	516.2	514.4	515.3	517.2	520.0	536.9	543.5	557.6	549.1	527.5
57.5°	467.4	464.5	467.4	469.2	470.2	473.0	487.1	499.3	507.7	508.7	482.4
60°	412.8	409.0	412.8	421.3	423.1	425.0	438.2	449.5	457.0	459.8	432.6
62.5°	364.8	358.3	364.8	370.5	374.3	378.9	388.4	405.3	411.8	412.8	374.3
65°	314.1	311.3	314.1	325.4	326.3	331.9	342.3	354.5	368.6	366.7	311.3
67.5°	268.0	268.0	268.0	275.6	281.2	284.0	297.1	302.8	320.6	322.6	259.6
70°	225.6	224.7	225.6	231.3	235.1	241.6	253.9	260.5	274.5	279.3	210.6
72.5°	185.3	184.3	185.3	189.9	193.7	199.4	209.7	217.2	229.5	235.1	163.6
75°	149.6	147.6	149.6	153.3	152.4	159.8	168.3	175.8	187.1	190.9	121.3
77.5°	114.7	114.7	114.7	118.5	118.5	126.0	129.7	139.2	145.7	151.4	89.4
80°	85.5	84.6	85.5	86.6	86.6	90.3	96.8	103.5	109.1	109.1	61.1
82.5°	60.2	58.3	60.2	60.2	60.2	62.1	65.8	67.7	71.5	74.3	38.5
85°	37.6	37.6	37.6	38.5	37.6	39.5	40.5	42.3	42.3	40.5	23.5
87.5°	24.5	23.5	24.5	23.5	23.5	22.5	22.5	22.5	21.6	20.7	13.2
90°	10.9	10.9	10.9	10.9	10.9	14.6	19.5	22.0	18.9	12.7	8.1
92.5°	43.9	35.2	43.9	52.7	54.9	77.8	108.3	123.7	108.6	78.4	55.8
95°	153.3	126.8	153.3	179.7	186.4	244.8	322.7	361.5	305.4	192.9	108.6
97.5°	367.3	317.1	367.3	417.6	430.2	467.2	516.4	541.0	447.4	259.9	119.4
100°	529.3	469.3	529.3	589.3	604.3	601.6	597.9	596.2	492.2	284.2	128.3
102.5°	688.6	637.2	688.6	740.0	752.8	705.8	643.1	611.8	506.3	295.5	137.3
105°	891.7	864.0	891.7	919.3	926.2	820.8	680.3	610.0	507.9	303.7	150.6
107.5°	1024.6	1031.4	1024.6	1018.0	1016.3	869.3	673.3	575.3	485.3	305.3	170.2
110°	1075.4	1104.2	1075.4	1046.7	1039.5	875.2	656.0	546.4	465.3	302.9	181.1



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1080.0	1124.1	1080.0	1035.7	1024.7	856.6	632.3	520.2	447.8	303.0	194.5
115°	1051.3	1112.6	1051.3	990.0	974.7	812.7	596.7	488.7	427.7	305.8	214.4
117.5°	990.6	1058.6	990.6	922.6	905.6	759.4	564.5	467.0	415.2	311.5	233.8
120°	941.6	1007.7	941.6	875.6	859.1	725.5	547.4	458.3	410.9	316.1	245.1
122.5°	894.0	959.1	894.0	828.9	812.6	692.3	531.8	451.6	408.7	322.8	258.4
125°	826.0	886.0	826.0	766.0	751.0	648.9	512.6	444.5	406.9	331.7	275.4
127.5°	764.9	815.5	764.9	714.2	701.6	613.8	496.9	438.4	405.8	340.7	291.9
130°	728.9	775.6	728.9	682.1	670.5	592.3	488.1	436.0	406.4	347.2	302.8
132.5°	696.2	738.0	696.2	654.3	643.8	573.9	480.7	434.1	406.9	352.6	311.8
135°	651.4	687.5	651.4	615.3	606.3	547.7	469.7	430.6	406.5	358.4	322.2
137.5°	615.5	645.0	615.5	585.9	578.5	529.0	463.0	430.0	408.9	367.0	335.5
140°	590.7	618.4	590.7	563.2	556.2	513.5	456.5	428.0	409.4	372.3	344.4
142.5°	570.4	594.1	570.4	546.6	540.6	503.1	453.1	428.0	410.9	376.7	351.1
145°	539.8	557.7	539.8	521.8	517.3	486.5	445.6	425.1	410.9	382.6	361.3
147.5°	516.2	531.1	516.2	501.4	497.6	473.4	441.2	425.1	413.7	391.0	374.0
150°	501.5	513.5	501.5	489.3	486.3	466.0	438.8	425.1	415.2	395.5	380.6
152.5°	488.8	497.9	488.8	479.6	477.4	460.0	436.7	425.1	416.1	398.3	384.9
155°	474.3	480.3	474.3	468.2	466.7	452.9	434.4	425.1	418.3	404.6	394.4
157.5°	462.8	467.0	462.8	458.5	457.4	446.7	432.3	425.1	420.4	411.0	404.0
160°	455.9	458.3	455.9	453.4	452.9	443.6	431.3	425.1	421.4	413.9	408.3
162.5°	451.4	453.7	451.4	449.0	448.5	440.7	430.3	425.1	422.4	417.0	413.0
165°	444.9	447.4	444.9	442.5	441.8	436.2	428.8	425.1	423.9	421.5	419.6
167.5°	440.2	441.3	440.2	439.2	438.9	435.3	430.4	428.0	427.0	424.9	423.3
170°	438.9	438.9	438.9	438.9	438.9	435.3	430.4	428.0	427.9	427.8	427.7
172.5°	435.5	434.6	435.5	436.4	436.6	433.7	429.9	428.0	428.0	428.0	428.0
175°	433.4	433.4	433.4	433.4	433.4	431.6	429.2	428.0	428.6	429.8	430.6
177.5°	431.6	430.6	431.6	432.6	432.9	431.5	429.5	428.6	429.0	430.0	430.6
180°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1008.0	1002.4	1002.4	992.9	989.2	986.4	981.6	967.6	963.8	960.0	965.6
5°	1016.5	1006.1	998.5	981.6	967.6	961.9	944.1	910.2	887.6	870.7	861.3
7.5°	1018.4	1005.2	991.1	964.7	930.9	915.8	861.3	799.3	782.3	767.3	757.9
10°	1016.5	1001.4	981.6	942.2	862.3	835.9	781.4	740.9	730.6	727.8	730.6
12.5°	1009.9	995.7	968.5	902.6	790.8	772.9	740.9	717.5	715.5	720.3	745.6
15°	998.5	985.5	953.5	850.0	751.3	738.1	715.5	707.1	717.5	750.4	826.6
17.5°	987.3	972.3	932.7	798.3	721.2	711.8	695.8	712.7	771.0	815.3	840.6
20°	972.3	954.4	909.3	760.7	699.5	691.1	683.6	759.7	803.9	819.9	834.0
22.5°	954.4	935.5	877.3	734.4	677.0	670.5	675.1	786.1	803.9	815.3	827.5
25°	930.9	914.9	839.6	713.6	659.2	651.6	669.5	783.3	793.6	796.5	820.9
27.5°	909.3	888.5	800.2	694.9	637.6	634.7	674.2	771.0	778.6	781.4	807.7
30°	882.9	851.9	756.0	675.1	614.9	614.0	675.1	756.0	754.1	761.6	788.0
32.5°	855.6	797.4	706.2	650.6	593.4	592.4	668.6	733.5	731.6	741.9	761.6
35°	830.3	755.1	638.5	622.5	566.1	567.0	652.5	707.1	708.0	717.5	729.6
37.5°	803.9	718.4	564.2	591.5	539.7	539.7	630.9	682.6	680.7	683.6	700.6
40°	772.9	661.0	498.4	551.0	515.3	512.5	604.6	656.4	649.7	648.8	672.3
42.5°	740.0	598.0	449.5	497.5	487.1	483.3	572.6	624.4	612.1	614.9	645.0
45°	704.3	581.1	411.8	420.3	457.9	455.1	537.8	587.6	579.2	586.7	617.7
47.5°	668.6	547.3	399.6	348.8	426.9	425.9	499.3	551.9	547.3	554.7	587.6
50°	619.6	509.6	398.7	299.0	392.1	395.8	453.2	517.2	517.2	523.7	558.6
52.5°	556.6	463.5	362.0	270.8	351.6	362.9	412.8	487.1	488.9	495.6	526.5
55°	499.3	415.6	335.7	249.2	303.7	328.2	373.3	456.0	459.8	466.4	494.6
57.5°	446.6	346.0	330.0	223.8	259.6	283.0	338.6	425.9	427.8	433.5	460.7
60°	390.2	250.1	302.8	196.5	221.0	238.8	306.5	390.2	396.8	400.5	424.1
62.5°	326.3	181.5	274.5	177.7	202.2	205.9	280.2	356.4	364.8	367.6	381.7
65°	232.3	152.4	233.2	161.7	182.5	183.4	252.0	321.5	329.1	333.8	344.2
67.5°	157.0	124.1	177.7	146.7	167.4	168.3	224.7	281.2	291.5	295.3	301.8
70°	109.1	82.7	131.6	130.7	150.5	152.4	195.5	244.5	253.9	256.7	260.5
72.5°	79.9	66.7	109.1	117.5	132.5	134.5	165.5	203.1	212.6	215.4	217.2
75°	61.1	70.5	88.4	102.5	112.8	113.8	135.4	165.5	172.1	173.9	174.9
77.5°	48.9	65.8	64.9	82.7	92.2	90.3	106.3	127.9	133.5	133.5	133.5
80°	36.6	51.7	48.9	59.3	67.7	65.8	76.2	91.2	93.1	95.0	94.0
82.5°	27.3	32.9	32.9	37.6	45.1	43.3	50.8	59.3	59.3	59.3	61.1
85°	16.9	18.8	15.0	19.7	25.4	24.5	28.2	32.0	32.9	32.9	31.0
87.5°	10.4	8.5	4.7	7.5	11.3	11.3	13.2	14.1	13.2	13.2	13.2
90°	7.6	5.2	2.9	5.2	7.6	8.1	12.7	18.9	22.0	19.5	14.6
92.5°	50.8	31.2	11.6	31.2	50.8	55.8	78.4	108.6	123.7	108.3	77.8
95°	99.6	63.7	27.8	63.7	99.6	108.6	192.9	305.4	361.5	322.7	244.8
97.5°	111.4	79.7	48.0	79.7	111.4	119.4	259.9	447.4	541.0	516.4	467.2
100°	121.1	92.3	63.6	92.3	121.1	128.3	284.2	492.2	596.2	597.9	601.6
102.5°	130.6	103.8	76.8	103.8	130.6	137.3	295.5	506.3	611.8	643.1	705.8
105°	144.9	122.2	99.5	122.2	144.9	150.6	303.7	507.9	610.0	680.3	820.8
107.5°	164.9	143.8	122.5	143.8	164.9	170.2	305.3	485.3	575.3	673.3	869.3
110°	176.4	157.2	138.1	157.2	176.4	181.1	302.9	465.3	546.4	656.0	875.2



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	189.9	171.7	153.5	171.7	189.9	194.5	303.0	447.8	520.2	632.3	856.6
115°	210.2	193.4	176.6	193.4	210.2	214.4	305.8	427.7	488.7	596.7	812.7
117.5°	229.9	214.7	199.4	214.7	229.9	233.8	311.5	415.2	467.0	564.5	759.4
120°	241.4	227.0	212.6	227.0	241.4	245.1	316.1	410.9	458.3	547.4	725.5
122.5°	254.7	240.2	225.7	240.2	254.7	258.4	322.8	408.7	451.6	531.8	692.3
125°	272.1	258.8	245.6	258.8	272.1	275.4	331.7	406.9	444.5	512.6	648.9
127.5°	288.5	275.2	261.8	275.2	288.5	291.9	340.7	405.8	438.4	496.9	613.8
130°	299.3	284.9	270.5	284.9	299.3	302.8	347.2	406.4	436.0	488.1	592.3
132.5°	308.3	293.9	279.5	293.9	308.3	311.8	352.6	406.9	434.1	480.7	573.9
135°	318.9	305.8	292.7	305.8	318.9	322.2	358.4	406.5	430.6	469.7	547.7
137.5°	332.2	319.3	306.3	319.3	332.2	335.5	367.0	408.9	430.0	463.0	529.0
140°	341.4	329.6	317.6	329.6	341.4	344.4	372.3	409.4	428.0	456.5	513.5
142.5°	348.3	337.2	326.2	337.2	348.3	351.1	376.7	410.9	428.0	453.1	503.1
145°	358.8	349.2	339.6	349.2	358.8	361.3	382.6	410.9	425.1	445.6	486.5
147.5°	371.6	362.2	352.9	362.2	371.6	374.0	391.0	413.7	425.1	441.2	473.4
150°	378.5	370.1	361.5	370.1	378.5	380.6	395.5	415.2	425.1	438.8	466.0
152.5°	383.3	376.9	370.4	376.9	383.3	384.9	398.3	416.1	425.1	436.7	460.0
155°	393.2	388.6	383.8	388.6	393.2	394.4	404.6	418.3	425.1	434.4	452.9
157.5°	402.9	398.2	393.6	398.2	402.9	404.0	411.0	420.4	425.1	432.3	446.7
160°	407.3	403.8	400.2	403.8	407.3	408.3	413.9	421.4	425.1	431.3	443.6
162.5°	412.3	409.6	406.9	409.6	412.3	413.0	417.0	422.4	425.1	430.3	440.7
165°	418.9	416.5	414.1	416.5	418.9	419.6	421.5	423.9	425.1	428.8	436.2
167.5°	423.0	421.8	420.7	421.8	423.0	423.3	424.9	427.0	428.0	430.4	435.3
170°	427.4	426.2	425.1	426.2	427.4	427.7	427.8	427.9	428.0	430.4	435.3
172.5°	427.9	427.7	427.4	427.7	427.9	428.0	428.0	428.0	428.0	429.9	433.7
175°	430.6	430.6	430.6	430.6	430.6	430.6	429.8	428.6	428.0	429.2	431.6
177.5°	430.6	430.6	430.6	430.6	430.6	430.6	430.0	429.0	428.6	429.5	431.5
180°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	959.1	956.3	960.0	949.7	960.0	956.3	959.1	965.6	960.0	963.8	967.6
5°	841.6	836.8	821.8	809.5	821.8	836.8	841.6	861.3	870.7	887.6	910.2
7.5°	752.3	748.5	744.7	737.2	744.7	748.5	752.3	757.9	767.3	782.3	799.3
10°	732.5	733.5	739.1	738.1	739.1	733.5	732.5	730.6	727.8	730.6	740.9
12.5°	783.3	791.7	822.7	820.9	822.7	791.7	783.3	745.6	720.3	715.5	717.5
15°	841.6	844.4	851.0	851.9	851.0	844.4	841.6	826.6	750.4	717.5	707.1
17.5°	847.2	848.2	852.8	852.8	852.8	848.2	847.2	840.6	815.3	771.0	712.7
20°	842.5	844.4	853.8	855.6	853.8	844.4	842.5	834.0	819.9	803.9	759.7
22.5°	840.6	844.4	851.9	851.0	851.9	844.4	840.6	827.5	815.3	803.9	786.1
25°	831.2	831.2	832.2	833.1	832.2	831.2	831.2	820.9	796.5	793.6	783.3
27.5°	811.5	813.4	819.0	818.1	819.0	813.4	811.5	807.7	781.4	778.6	771.0
30°	793.6	791.7	787.0	783.3	787.0	791.7	793.6	788.0	761.6	754.1	756.0
32.5°	763.6	758.8	754.1	751.3	754.1	758.8	763.6	761.6	741.9	731.6	733.5
35°	727.8	728.7	727.8	725.0	727.8	728.7	727.8	729.6	717.5	708.0	707.1
37.5°	702.4	704.3	703.4	699.5	703.4	704.3	702.4	700.6	683.6	680.7	682.6
40°	676.1	677.0	676.1	673.3	676.1	677.0	676.1	672.3	648.8	649.7	656.4
42.5°	650.6	649.7	646.9	645.0	646.9	649.7	650.6	645.0	614.9	612.1	624.4
45°	621.6	622.5	616.8	614.0	616.8	622.5	621.6	617.7	586.7	579.2	587.6
47.5°	592.4	592.4	587.6	584.8	587.6	592.4	592.4	587.6	554.7	547.3	551.9
50°	561.4	560.4	553.8	552.9	553.8	560.4	561.4	558.6	523.7	517.2	517.2
52.5°	525.6	525.6	526.5	528.5	526.5	525.6	525.6	526.5	495.6	488.9	487.1
55°	494.6	495.6	502.1	504.0	502.1	495.6	494.6	494.6	466.4	459.8	456.0
57.5°	462.6	462.6	467.4	467.4	467.4	462.6	462.6	460.7	433.5	427.8	425.9
60°	425.9	427.8	431.6	430.6	431.6	427.8	425.9	424.1	400.5	396.8	390.2
62.5°	387.4	389.3	390.2	388.4	390.2	389.3	387.4	381.7	367.6	364.8	356.4
65°	347.0	348.8	349.8	347.9	349.8	348.8	347.0	344.2	333.8	329.1	321.5
67.5°	305.6	304.6	303.7	307.5	303.7	304.6	305.6	301.8	295.3	291.5	281.2
70°	263.3	263.3	262.4	264.2	262.4	263.3	263.3	260.5	256.7	253.9	244.5
72.5°	218.2	217.2	221.0	218.2	221.0	217.2	218.2	217.2	215.4	212.6	203.1
75°	173.9	175.8	173.9	176.8	173.9	175.8	173.9	174.9	173.9	172.1	165.5
77.5°	132.5	134.5	132.5	132.5	132.5	134.5	132.5	133.5	133.5	133.5	127.9
80°	94.0	93.1	93.1	92.2	93.1	93.1	94.0	94.0	95.0	93.1	91.2
82.5°	60.2	59.3	59.3	61.1	59.3	59.3	60.2	61.1	59.3	59.3	59.3
85°	32.9	33.8	32.0	32.0	32.0	33.8	32.9	31.0	32.9	32.9	32.0
87.5°	12.2	11.3	11.3	11.3	11.3	11.3	12.2	13.2	13.2	13.2	14.1
90°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	14.6	19.5	22.0	18.9
92.5°	54.9	52.7	43.9	35.2	43.9	52.7	54.9	77.8	108.3	123.7	108.6
95°	186.4	179.7	153.3	126.8	153.3	179.7	186.4	244.8	322.7	361.5	305.4
97.5°	430.2	417.6	367.3	317.1	367.3	417.6	430.2	467.2	516.4	541.0	447.4
100°	604.3	589.3	529.3	469.3	529.3	589.3	604.3	601.6	597.9	596.2	492.2
102.5°	752.8	740.0	688.6	637.2	688.6	740.0	752.8	705.8	643.1	611.8	506.3
105°	926.2	919.3	891.7	864.0	891.7	919.3	926.2	820.8	680.3	610.0	507.9
107.5°	1016.3	1018.0	1024.6	1031.4	1024.6	1018.0	1016.3	869.3	673.3	575.3	485.3
110°	1039.5	1046.7	1075.4	1104.2	1075.4	1046.7	1039.5	875.2	656.0	546.4	465.3



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1024.7	1035.7	1080.0	1124.1	1080.0	1035.7	1024.7	856.6	632.3	520.2	447.8
115°	974.7	990.0	1051.3	1112.6	1051.3	990.0	974.7	812.7	596.7	488.7	427.7
117.5°	905.6	922.6	990.6	1058.6	990.6	922.6	905.6	759.4	564.5	467.0	415.2
120°	859.1	875.6	941.6	1007.7	941.6	875.6	859.1	725.5	547.4	458.3	410.9
122.5°	812.6	828.9	894.0	959.1	894.0	828.9	812.6	692.3	531.8	451.6	408.7
125°	751.0	766.0	826.0	886.0	826.0	766.0	751.0	648.9	512.6	444.5	406.9
127.5°	701.6	714.2	764.9	815.5	764.9	714.2	701.6	613.8	496.9	438.4	405.8
130°	670.5	682.1	728.9	775.6	728.9	682.1	670.5	592.3	488.1	436.0	406.4
132.5°	643.8	654.3	696.2	738.0	696.2	654.3	643.8	573.9	480.7	434.1	406.9
135°	606.3	615.3	651.4	687.5	651.4	615.3	606.3	547.7	469.7	430.6	406.5
137.5°	578.5	585.9	615.5	645.0	615.5	585.9	578.5	529.0	463.0	430.0	408.9
140°	556.2	563.2	590.7	618.4	590.7	563.2	556.2	513.5	456.5	428.0	409.4
142.5°	540.6	546.6	570.4	594.1	570.4	546.6	540.6	503.1	453.1	428.0	410.9
145°	517.3	521.8	539.8	557.7	539.8	521.8	517.3	486.5	445.6	425.1	410.9
147.5°	497.6	501.4	516.2	531.1	516.2	501.4	497.6	473.4	441.2	425.1	413.7
150°	486.3	489.3	501.5	513.5	501.5	489.3	486.3	466.0	438.8	425.1	415.2
152.5°	477.4	479.6	488.8	497.9	488.8	479.6	477.4	460.0	436.7	425.1	416.1
155°	466.7	468.2	474.3	480.3	474.3	468.2	466.7	452.9	434.4	425.1	418.3
157.5°	457.4	458.5	462.8	467.0	462.8	458.5	457.4	446.7	432.3	425.1	420.4
160°	452.9	453.4	455.9	458.3	455.9	453.4	452.9	443.6	431.3	425.1	421.4
162.5°	448.5	449.0	451.4	453.7	451.4	449.0	448.5	440.7	430.3	425.1	422.4
165°	441.8	442.5	444.9	447.4	444.9	442.5	441.8	436.2	428.8	425.1	423.9
167.5°	438.9	439.2	440.2	441.3	440.2	439.2	438.9	435.3	430.4	428.0	427.0
170°	438.9	438.9	438.9	438.9	438.9	438.9	438.9	435.3	430.4	428.0	427.9
172.5°	436.6	436.4	435.5	434.6	435.5	436.4	436.6	433.7	429.9	428.0	428.0
175°	433.4	433.4	433.4	433.4	433.4	433.4	433.4	431.6	429.2	428.0	428.6
177.5°	432.9	432.6	431.6	430.6	431.6	432.6	432.9	431.5	429.5	428.6	429.0
180°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	993.9	993.9	993.9	993.9	993.9
2.5°	981.6	986.4	989.2	992.9	1002.4
5°	944.1	961.9	967.6	981.6	998.5
7.5°	861.3	915.8	930.9	964.7	991.1
10°	781.4	835.9	862.3	942.2	981.6
12.5°	740.9	772.9	790.8	902.6	968.5
15°	715.5	738.1	751.3	850.0	953.5
17.5°	695.8	711.8	721.2	798.3	932.7
20°	683.6	691.1	699.5	760.7	909.3
22.5°	675.1	670.5	677.0	734.4	877.3
25°	669.5	651.6	659.2	713.6	839.6
27.5°	674.2	634.7	637.6	694.9	800.2
30°	675.1	614.0	614.9	675.1	756.0
32.5°	668.6	592.4	593.4	650.6	706.2
35°	652.5	567.0	566.1	622.5	638.5
37.5°	630.9	539.7	539.7	591.5	564.2
40°	604.6	512.5	515.3	551.0	498.4
42.5°	572.6	483.3	487.1	497.5	449.5
45°	537.8	455.1	457.9	420.3	411.8
47.5°	499.3	425.9	426.9	348.8	399.6
50°	453.2	395.8	392.1	299.0	398.7
52.5°	412.8	362.9	351.6	270.8	362.0
55°	373.3	328.2	303.7	249.2	335.7
57.5°	338.6	283.0	259.6	223.8	330.0
60°	306.5	238.8	221.0	196.5	302.8
62.5°	280.2	205.9	202.2	177.7	274.5
65°	252.0	183.4	182.5	161.7	233.2
67.5°	224.7	168.3	167.4	146.7	177.7
70°	195.5	152.4	150.5	130.7	131.6
72.5°	165.5	134.5	132.5	117.5	109.1
75°	135.4	113.8	112.8	102.5	88.4
77.5°	106.3	90.3	92.2	82.7	64.9
80°	76.2	65.8	67.7	59.3	48.9
82.5°	50.8	43.3	45.1	37.6	32.9
85°	28.2	24.5	25.4	19.7	15.0
87.5°	13.2	11.3	11.3	7.5	4.7
90°	12.7	8.1	7.6	5.2	2.9
92.5°	78.4	55.8	50.8	31.2	11.6
95°	192.9	108.6	99.6	63.7	27.8
97.5°	259.9	119.4	111.4	79.7	48.0
100°	284.2	128.3	121.1	92.3	63.6
102.5°	295.5	137.3	130.6	103.8	76.8
105°	303.7	150.6	144.9	122.2	99.5
107.5°	305.3	170.2	164.9	143.8	122.5
110°	302.9	181.1	176.4	157.2	138.1



TEST NUMBER: P934241

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	303.0	194.5	189.9	171.7	153.5
115°	305.8	214.4	210.2	193.4	176.6
117.5°	311.5	233.8	229.9	214.7	199.4
120°	316.1	245.1	241.4	227.0	212.6
122.5°	322.8	258.4	254.7	240.2	225.7
125°	331.7	275.4	272.1	258.8	245.6
127.5°	340.7	291.9	288.5	275.2	261.8
130°	347.2	302.8	299.3	284.9	270.5
132.5°	352.6	311.8	308.3	293.9	279.5
135°	358.4	322.2	318.9	305.8	292.7
137.5°	367.0	335.5	332.2	319.3	306.3
140°	372.3	344.4	341.4	329.6	317.6
142.5°	376.7	351.1	348.3	337.2	326.2
145°	382.6	361.3	358.8	349.2	339.6
147.5°	391.0	374.0	371.6	362.2	352.9
150°	395.5	380.6	378.5	370.1	361.5
152.5°	398.3	384.9	383.3	376.9	370.4
155°	404.6	394.4	393.2	388.6	383.8
157.5°	411.0	404.0	402.9	398.2	393.6
160°	413.9	408.3	407.3	403.8	400.2
162.5°	417.0	413.0	412.3	409.6	406.9
165°	421.5	419.6	418.9	416.5	414.1
167.5°	424.9	423.3	423.0	421.8	420.7
170°	427.8	427.7	427.4	426.2	425.1
172.5°	428.0	428.0	427.9	427.7	427.4
175°	429.8	430.6	430.6	430.6	430.6
177.5°	430.0	430.6	430.6	430.6	430.6
180°	430.6	430.6	430.6	430.6	430.6



TEST NUMBER: P934241
 CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-6-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.93	11.77	11.90	12.76	14.06	13.75	14.59	14.72	15.58	16.88
	3H	11.40	12.16	12.39	13.16	14.48	15.09	15.85	16.08	16.85	18.17
	4H	11.59	12.31	12.59	13.31	14.64	15.54	16.25	16.53	17.25	18.58
	6H	11.71	12.37	12.72	13.37	14.72	15.82	16.48	16.83	17.48	18.82
	8H	11.71	12.34	12.73	13.36	14.70	15.89	16.52	16.91	17.54	18.88
	12H	11.68	12.28	12.70	13.29	14.66	15.93	16.53	16.95	17.54	18.90
4H	2H	11.96	12.67	12.96	13.67	15.00	14.16	14.87	15.16	15.87	17.20
	3H	12.98	13.58	13.99	14.61	15.95	15.66	16.26	16.67	17.29	18.63
	4H	13.26	13.80	14.28	14.82	16.19	16.19	16.73	17.21	17.75	19.12
	6H	13.38	13.85	14.41	14.89	16.26	16.55	17.02	17.58	18.06	19.43
	8H	13.39	13.82	14.42	14.86	16.24	16.66	17.09	17.69	18.13	19.51
	12H	13.35	13.75	14.40	14.80	16.18	16.71	17.11	17.76	18.16	19.54
8H	4H	13.71	14.15	14.74	15.18	16.56	16.31	16.75	17.34	17.79	19.16
	6H	13.97	14.33	15.03	15.41	16.79	16.74	17.11	17.80	18.19	19.56
	8H	14.01	14.33	15.08	15.39	16.79	16.90	17.21	17.96	18.28	19.67
	12H	13.99	14.27	15.06	15.33	16.77	16.99	17.27	18.06	18.33	19.77
12H	4H	13.71	14.11	14.76	15.16	16.54	16.27	16.67	17.33	17.72	19.11
	6H	14.03	14.35	15.09	15.41	16.81	16.74	17.06	17.81	18.12	19.52
	8H	14.10	14.38	15.16	15.43	16.87	16.90	17.18	17.97	18.24	19.68