

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: P934760

Luminaire Tested: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934760
REPORT IS A COMBINATION OF REPORTS P933710 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

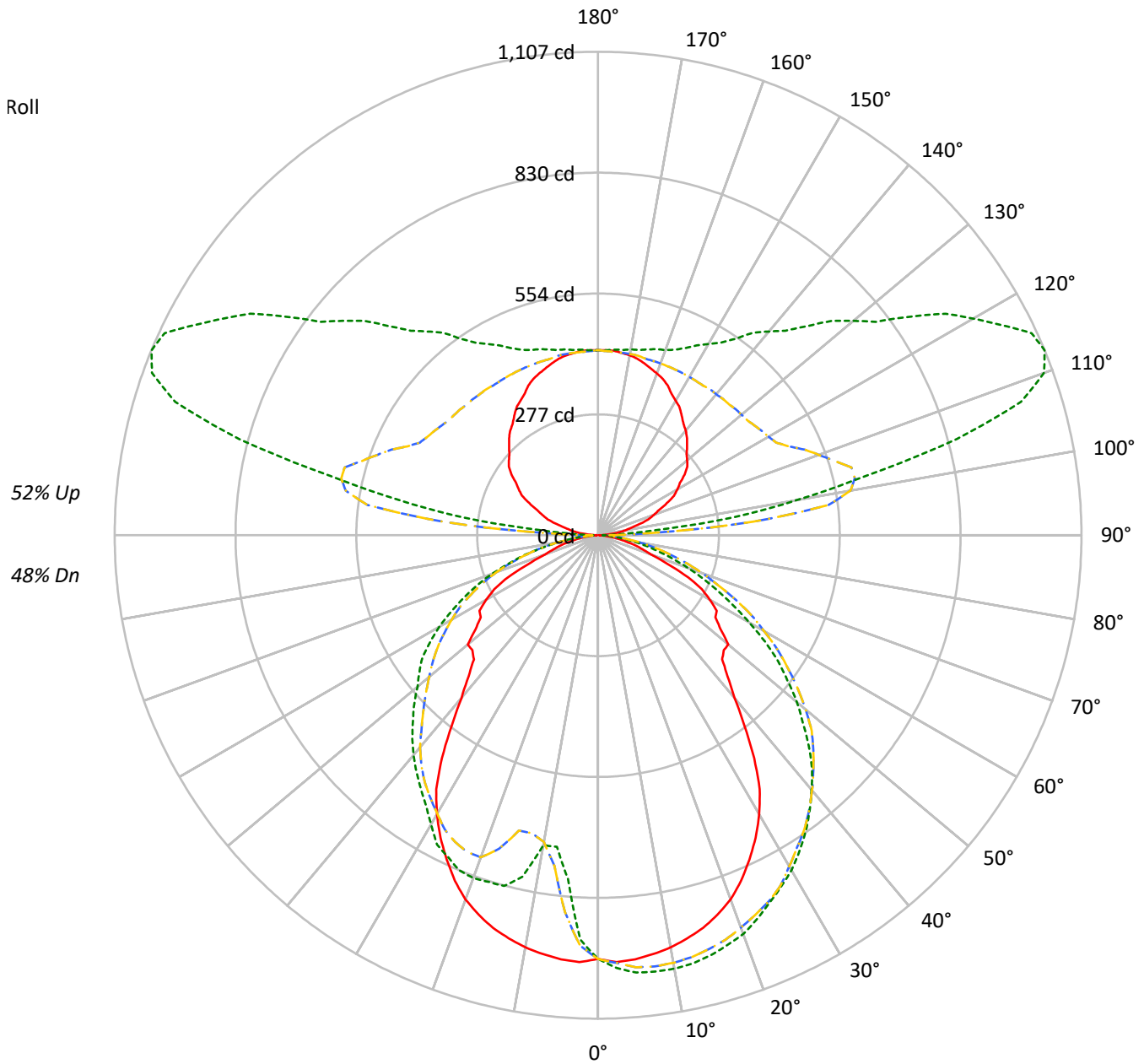
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5264.8 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 42.4
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: P934760
CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

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	82	79	72	70	68	60	58	56	48	47	46	40
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	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	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	33	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	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9002	9002	9002	9002
5°	9059	9088	9059	7145
10°	8989	8952	8989	6400
15°	8880	8758	8880	7312
20°	8685	8527	8685	7328
25°	8295	8192	8295	7173
30°	7794	7914	7794	6831
35°	6938	7563	6938	6457
40°	5772	7149	5772	6174
45°	5147	6664	5147	5848
50°	5456	6086	5456	5522
55°	5119	5462	5119	5333
60°	5256	4639	5256	4885
65°	4743	3835	4743	4287
70°	3262	3055	3262	3593
75°	2830	2259	2830	2704
80°	2232	1493	2232	1625
85°	1217	791	1217	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7903 cd/sqm



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	1.7
10°-20°	248.6	4.7
20°-30°	384.3	7.3
30°-40°	458.8	8.7
40°-50°	461.5	8.8
50°-60°	401.6	7.6
60°-70°	284.7	5.4
70°-80°	150.6	2.9
80°-90°	39.1	0.7
90°-100°	206.6	3.9
100°-110°	543.2	10.3
110°-120°	563.2	10.7
120°-130°	451.8	8.6
130°-140°	354.5	6.7
140°-150°	272.1	5.2
150°-160°	195.9	3.7
160°-170°	119.9	2.3
170°-180°	40.5	0.8
0°-30°	720.6	13.7
0°-40°	1179.4	22.4
0°-60°	2042.5	38.8
0°-90°	2517.0	47.8
90°-120°	1313.1	24.9
90°-150°	2391.5	45.4
90°-180°	2748.0	52.2
0°-180°	5264.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	970	970	970	970	970	
5°	975	1005	975	790	975	92
15°	931	996	931	832	931	262
25°	820	929	820	813	820	376
35°	623	829	623	708	623	386
45°	402	683	402	599	402	322
55°	328	504	328	492	328	301
65°	228	304	228	340	228	218
75°	86	144	86	172	86	91
85°	15	37	15	31	15	20
90°	3	11	3	11	3	3
95°	27	125	27	125	27	30
105°	98	851	98	851	98	104
115°	174	1095	174	1095	174	172
125°	242	872	242	872	242	215
135°	288	677	288	677	288	223
145°	334	549	334	549	334	209
155°	378	473	378	473	378	174
165°	408	440	408	440	408	115
175°	424	427	424	427	424	40
180°	424	424	424	424	424	



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	978.4	978.4	984.0	985.8	985.8	983.0	980.3	983.0	991.3	994.0	993.1
5°	974.7	982.1	992.2	994.0	995.9	995.0	993.1	995.0	1004.1	1006.0	1006.9
7.5°	967.3	981.2	994.0	996.8	999.6	996.8	995.9	997.7	1006.9	1008.7	1008.7
10°	958.2	977.4	992.2	994.0	996.8	994.0	994.0	997.7	1006.9	1008.7	1009.6
12.5°	945.3	971.9	985.8	987.6	991.3	990.4	989.5	993.1	1002.3	1004.1	1004.1
15°	930.6	961.8	974.7	976.5	983.0	981.2	981.2	984.9	995.0	997.7	996.8
17.5°	910.4	949.0	963.7	966.4	971.0	970.1	971.0	974.7	984.0	985.8	986.7
20°	887.5	931.6	949.0	951.7	956.3	956.3	956.3	960.9	970.1	973.8	973.8
22.5°	856.3	913.2	931.6	933.4	938.9	938.9	940.7	947.2	955.4	956.3	956.3
25°	819.6	893.0	908.6	914.1	919.6	922.4	925.1	928.8	931.6	930.6	931.6
27.5°	781.1	867.3	887.5	891.2	898.5	901.3	904.9	905.9	906.8	909.5	907.7
30°	737.9	831.5	861.8	865.5	877.4	879.2	875.6	877.4	882.0	883.8	885.7
32.5°	689.3	778.3	835.2	843.5	854.5	849.0	848.0	850.8	858.1	858.1	860.0
35°	623.2	737.0	810.4	817.8	826.0	819.6	823.3	824.2	828.8	831.5	830.6
37.5°	550.7	701.2	784.7	790.2	796.7	788.4	793.9	796.7	800.3	798.5	798.5
40°	486.5	645.2	754.4	758.1	763.6	757.2	762.7	764.5	766.4	764.5	763.6
42.5°	438.7	583.7	722.3	726.9	723.2	727.8	729.7	733.3	730.6	726.9	726.9
45°	402.0	567.2	687.4	693.0	687.4	694.8	697.5	697.5	689.3	687.4	686.5
47.5°	390.1	534.2	652.6	652.6	649.8	659.0	663.6	657.2	648.9	646.1	646.1
50°	389.2	497.5	604.9	601.2	614.0	625.0	620.5	614.0	607.6	597.5	597.5
52.5°	353.4	452.5	543.4	557.1	577.3	583.7	576.4	570.0	559.0	554.4	550.7
55°	327.7	405.7	487.4	514.9	536.0	544.3	530.5	524.1	507.6	504.8	503.0
57.5°	322.1	337.8	436.0	470.9	496.6	495.6	487.4	475.5	461.7	458.9	458.0
60°	295.5	244.1	380.9	422.2	448.8	446.1	438.7	427.7	414.9	413.1	411.2
62.5°	268.0	177.1	318.4	365.3	403.0	402.0	395.6	379.1	369.9	365.3	361.7
65°	227.6	148.7	226.7	303.8	358.0	359.8	346.1	334.1	323.9	318.4	317.5
67.5°	173.4	121.1	153.3	253.3	314.8	312.9	295.5	290.0	277.1	274.4	268.9
70°	128.5	80.8	106.5	205.6	272.6	268.0	254.2	247.8	235.8	229.4	225.8
72.5°	106.5	65.2	78.0	159.7	229.4	223.9	212.0	204.6	194.6	189.0	185.4
75°	86.3	68.8	59.7	118.4	186.3	182.6	171.6	164.3	156.0	148.7	149.6
77.5°	63.3	64.2	47.7	87.2	147.7	142.2	135.8	126.6	123.0	115.6	115.6
80°	47.7	50.5	35.8	59.7	106.5	106.5	100.9	94.5	88.1	84.4	84.4
82.5°	32.1	32.1	26.6	37.6	72.5	69.7	66.1	64.2	60.6	58.7	58.7
85°	14.7	18.4	16.5	22.9	39.5	41.3	41.3	39.5	38.5	36.7	37.6
87.5°	4.6	8.3	10.1	12.8	20.2	21.1	22.0	22.0	22.0	22.9	22.9
90°	2.8	5.1	7.4	8.0	12.6	18.6	21.7	19.3	14.4	10.8	10.8
92.5°	11.4	30.7	50.0	54.9	77.2	106.9	121.8	106.7	76.6	54.1	51.9
95°	27.3	62.8	98.2	107.0	190.0	300.5	355.9	317.5	240.9	183.4	176.9
97.5°	47.3	78.5	109.7	117.5	255.9	440.3	532.5	508.3	459.9	423.6	411.2
100°	62.6	90.9	119.2	126.3	279.8	484.5	586.9	588.6	592.2	594.8	580.1
102.5°	75.7	102.1	128.5	135.1	290.8	498.5	602.3	633.1	694.8	741.0	728.4
105°	97.8	120.2	142.6	148.2	299.0	500.1	600.5	669.7	808.0	911.7	904.9
107.5°	120.6	141.5	162.3	167.6	300.5	477.8	566.4	662.9	855.8	1000.5	1002.1
110°	136.0	154.8	173.7	178.4	298.3	458.0	538.0	645.8	861.4	1023.2	1030.3



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	151.1	169.0	186.9	191.4	298.3	440.9	512.1	622.5	843.2	1008.7	1019.7
115°	173.8	190.3	206.9	211.1	301.1	421.0	481.1	587.4	800.0	959.5	974.6
117.5°	196.3	211.3	226.4	230.2	306.7	408.6	459.7	555.7	747.6	891.5	908.2
120°	209.4	223.6	237.7	241.3	311.2	404.5	451.1	538.9	714.2	845.7	862.0
122.5°	222.2	236.5	250.7	254.3	317.7	402.3	444.6	523.5	681.5	800.0	816.0
125°	241.8	254.8	267.9	271.1	326.6	400.6	437.6	504.6	638.8	739.4	754.2
127.5°	257.8	270.9	284.0	287.3	335.4	399.6	431.6	489.2	604.4	690.7	703.2
130°	266.3	280.4	294.6	298.2	341.8	400.1	429.3	480.6	583.1	660.0	671.5
132.5°	275.1	289.3	303.4	307.0	347.1	400.6	427.3	473.2	565.0	633.9	644.1
135°	288.2	301.0	313.9	317.2	352.8	400.2	423.9	462.3	539.2	596.9	605.8
137.5°	301.6	314.3	327.1	330.3	361.3	402.7	423.3	455.8	520.8	569.5	576.8
140°	312.7	324.4	336.2	339.1	366.5	403.1	421.3	449.4	505.5	547.6	554.4
142.5°	321.2	332.0	342.9	345.6	370.8	404.5	421.3	446.0	495.3	532.3	538.1
145°	334.2	343.8	353.2	355.6	376.5	404.5	418.5	438.7	478.9	509.2	513.6
147.5°	347.3	356.5	365.8	368.1	384.9	407.3	418.5	434.3	466.1	489.9	493.5
150°	355.9	364.2	372.6	374.7	389.3	408.7	418.5	431.9	458.7	478.8	481.7
152.5°	364.7	371.0	377.4	378.9	392.1	409.7	418.5	429.9	452.8	470.0	472.2
155°	377.8	382.5	387.1	388.3	398.4	411.8	418.5	427.6	445.7	459.4	460.9
157.5°	387.5	392.0	396.6	397.7	404.6	413.9	418.5	425.5	439.7	450.3	451.3
160°	394.0	397.5	401.0	402.0	407.5	414.8	418.5	424.5	436.7	445.8	446.4
162.5°	400.6	403.2	405.9	406.5	410.5	415.8	418.5	423.6	433.8	441.5	442.1
165°	407.6	410.0	412.4	413.1	414.9	417.3	418.5	422.1	429.5	435.0	435.6
167.5°	414.2	415.3	416.4	416.7	418.3	420.3	421.3	423.7	428.6	432.1	432.4
170°	418.5	419.6	420.8	421.0	421.1	421.2	421.3	423.7	428.6	432.1	432.1
172.5°	420.8	421.0	421.2	421.3	421.3	421.3	421.3	423.2	427.0	429.8	429.7
175°	423.9	423.9	423.9	423.9	423.1	421.9	421.3	422.5	424.9	426.7	426.7
177.5°	423.9	423.9	423.9	423.9	423.2	422.3	421.9	422.8	424.7	426.2	425.9
180°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	995.0	992.2	995.0	993.1	994.0	991.3	983.0	980.3	983.0	985.8	985.8
5°	1006.9	1005.1	1006.9	1006.9	1006.0	1004.1	995.0	993.1	995.0	995.9	994.0
7.5°	1010.6	1007.8	1010.6	1008.7	1008.7	1006.9	997.7	995.9	996.8	999.6	996.8
10°	1010.6	1007.8	1010.6	1009.6	1008.7	1006.9	997.7	994.0	994.0	996.8	994.0
12.5°	1006.0	1004.1	1006.0	1004.1	1004.1	1002.3	993.1	989.5	990.4	991.3	987.6
15°	998.6	995.9	998.6	996.8	997.7	995.0	984.9	981.2	981.2	983.0	976.5
17.5°	987.6	984.0	987.6	986.7	985.8	984.0	974.7	971.0	970.1	971.0	966.4
20°	974.7	971.9	974.7	973.8	973.8	970.1	960.9	956.3	956.3	956.3	951.7
22.5°	954.5	951.7	954.5	956.3	956.3	955.4	947.2	940.7	938.9	938.9	933.4
25°	931.6	928.8	931.6	931.6	930.6	931.6	928.8	925.1	922.4	919.6	914.1
27.5°	909.5	907.7	909.5	907.7	909.5	906.8	905.9	904.9	901.3	898.5	891.2
30°	887.5	885.7	887.5	885.7	883.8	882.0	877.4	875.6	879.2	877.4	865.5
32.5°	860.0	858.1	860.0	860.0	858.1	858.1	850.8	848.0	849.0	854.5	843.5
35°	831.5	828.8	831.5	830.6	831.5	828.8	824.2	823.3	819.6	826.0	817.8
37.5°	798.5	795.7	798.5	798.5	798.5	800.3	796.7	793.9	788.4	796.7	790.2
40°	764.5	760.9	764.5	763.6	764.5	766.4	764.5	762.7	757.2	763.6	758.1
42.5°	726.0	725.1	726.0	726.9	726.9	730.6	733.3	729.7	727.8	723.2	726.9
45°	684.7	682.9	684.7	686.5	687.4	689.3	697.5	697.5	694.8	687.4	693.0
47.5°	640.6	636.1	640.6	646.1	646.1	648.9	657.2	663.6	659.0	649.8	652.6
50°	593.8	594.8	593.8	597.5	597.5	607.6	614.0	620.5	625.0	614.0	601.2
52.5°	548.0	547.0	548.0	550.7	554.4	559.0	570.0	576.4	583.7	577.3	557.1
55°	502.1	503.9	502.1	503.0	504.8	507.6	524.1	530.5	544.3	536.0	514.9
57.5°	456.2	453.4	456.2	458.0	458.9	461.7	475.5	487.4	495.6	496.6	470.9
60°	403.0	399.3	403.0	411.2	413.1	414.9	427.7	438.7	446.1	448.8	422.2
62.5°	356.2	349.7	356.2	361.7	365.3	369.9	379.1	395.6	402.0	403.0	365.3
65°	306.5	303.8	306.5	317.5	318.4	323.9	334.1	346.1	359.8	358.0	303.8
67.5°	261.5	261.5	261.5	268.9	274.4	277.1	290.0	295.5	312.9	314.8	253.3
70°	220.2	219.3	220.2	225.8	229.4	235.8	247.8	254.2	268.0	272.6	205.6
72.5°	180.8	179.9	180.8	185.4	189.0	194.6	204.6	212.0	223.9	229.4	159.7
75°	145.9	144.1	145.9	149.6	148.7	156.0	164.3	171.6	182.6	186.3	118.4
77.5°	112.0	112.0	112.0	115.6	115.6	123.0	126.6	135.8	142.2	147.7	87.2
80°	83.5	82.6	83.5	84.4	84.4	88.1	94.5	100.9	106.5	106.5	59.7
82.5°	58.7	56.9	58.7	58.7	58.7	60.6	64.2	66.1	69.7	72.5	37.6
85°	36.7	36.7	36.7	37.6	36.7	38.5	39.5	41.3	41.3	39.5	22.9
87.5°	23.9	22.9	23.9	22.9	22.9	22.0	22.0	22.0	21.1	20.2	12.8
90°	10.8	10.8	10.8	10.8	10.8	14.4	19.3	21.7	18.6	12.6	8.0
92.5°	43.3	34.7	43.3	51.9	54.1	76.6	106.7	121.8	106.9	77.2	54.9
95°	151.0	124.9	151.0	176.9	183.4	240.9	317.5	355.9	300.5	190.0	107.0
97.5°	361.7	312.1	361.7	411.2	423.6	459.9	508.3	532.5	440.3	255.9	117.5
100°	521.1	462.0	521.1	580.1	594.8	592.2	588.6	586.9	484.5	279.8	126.3
102.5°	677.8	627.2	677.8	728.4	741.0	694.8	633.1	602.3	498.5	290.8	135.1
105°	877.8	850.6	877.8	904.9	911.7	808.0	669.7	600.5	500.1	299.0	148.2
107.5°	1008.7	1015.3	1008.7	1002.1	1000.5	855.8	662.9	566.4	477.8	300.5	167.6
110°	1058.7	1087.0	1058.7	1030.3	1023.2	861.4	645.8	538.0	458.0	298.3	178.4



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1063.1	1106.6	1063.1	1019.7	1008.7	843.2	622.5	512.1	440.9	298.3	191.4
115°	1035.0	1095.3	1035.0	974.6	959.5	800.0	587.4	481.1	421.0	301.1	211.1
117.5°	975.1	1042.0	975.1	908.2	891.5	747.6	555.7	459.7	408.6	306.7	230.2
120°	927.0	991.9	927.0	862.0	845.7	714.2	538.9	451.1	404.5	311.2	241.3
122.5°	880.1	944.2	880.1	816.0	800.0	681.5	523.5	444.6	402.3	317.7	254.3
125°	813.2	872.2	813.2	754.2	739.4	638.8	504.6	437.6	400.6	326.6	271.1
127.5°	753.0	802.8	753.0	703.2	690.7	604.4	489.2	431.6	399.6	335.4	287.3
130°	717.5	763.5	717.5	671.5	660.0	583.1	480.6	429.3	400.1	341.8	298.2
132.5°	685.3	726.5	685.3	644.1	633.9	565.0	473.2	427.3	400.6	347.1	307.0
135°	641.3	676.8	641.3	605.8	596.9	539.2	462.3	423.9	400.2	352.8	317.2
137.5°	605.9	635.0	605.9	576.8	569.5	520.8	455.8	423.3	402.7	361.3	330.3
140°	581.6	608.8	581.6	554.4	547.6	505.5	449.4	421.3	403.1	366.5	339.1
142.5°	561.4	584.8	561.4	538.1	532.3	495.3	446.0	421.3	404.5	370.8	345.6
145°	531.3	549.1	531.3	513.6	509.2	478.9	438.7	418.5	404.5	376.5	355.6
147.5°	508.2	522.9	508.2	493.5	489.9	466.1	434.3	418.5	407.3	384.9	368.1
150°	493.6	505.6	493.6	481.7	478.8	458.7	431.9	418.5	408.7	389.3	374.7
152.5°	481.1	490.1	481.1	472.2	470.0	452.8	429.9	418.5	409.7	392.1	378.9
155°	466.8	472.8	466.8	460.9	459.4	445.7	427.6	418.5	411.8	398.4	388.3
157.5°	455.5	459.7	455.5	451.3	450.3	439.7	425.5	418.5	413.9	404.6	397.7
160°	448.8	451.1	448.8	446.4	445.8	436.7	424.5	418.5	414.8	407.5	402.0
162.5°	444.3	446.6	444.3	442.1	441.5	433.8	423.6	418.5	415.8	410.5	406.5
165°	438.0	440.4	438.0	435.6	435.0	429.5	422.1	418.5	417.3	414.9	413.1
167.5°	433.4	434.4	433.4	432.4	432.1	428.6	423.7	421.3	420.3	418.3	416.7
170°	432.1	432.1	432.1	432.1	432.1	428.6	423.7	421.3	421.2	421.1	421.0
172.5°	428.7	427.8	428.7	429.7	429.8	427.0	423.2	421.3	421.3	421.3	421.3
175°	426.7	426.7	426.7	426.7	426.7	424.9	422.5	421.3	421.9	423.1	423.9
177.5°	424.9	423.9	424.9	425.9	426.2	424.7	422.8	421.9	422.3	423.2	423.9
180°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	984.0	978.4	978.4	969.2	965.5	962.8	958.2	944.4	940.7	937.1	942.6
5°	992.2	982.1	974.7	958.2	944.4	938.9	921.5	888.4	866.4	849.9	840.7
7.5°	994.0	981.2	967.3	941.6	908.6	893.9	840.7	780.1	763.6	748.9	739.8
10°	992.2	977.4	958.2	919.6	841.6	815.9	762.7	723.2	713.1	710.4	713.1
12.5°	985.8	971.9	945.3	881.1	771.9	754.4	723.2	700.3	698.5	703.0	727.8
15°	974.7	961.8	930.6	829.7	733.3	720.5	698.5	690.2	700.3	732.4	806.7
17.5°	963.7	949.0	910.4	779.2	704.0	694.8	679.2	695.7	752.6	795.7	820.5
20°	949.0	931.6	887.5	742.5	682.9	674.6	667.3	741.6	784.7	800.3	814.1
22.5°	931.6	913.2	856.3	716.8	660.8	654.4	659.0	767.3	784.7	795.7	807.7
25°	908.6	893.0	819.6	696.6	643.4	636.1	653.5	764.5	774.6	777.4	801.2
27.5°	887.5	867.3	781.1	678.3	622.3	619.5	658.1	752.6	759.9	762.7	788.4
30°	861.8	831.5	737.9	659.0	600.3	599.3	659.0	737.9	736.1	743.4	769.1
32.5°	835.2	778.3	689.3	635.1	579.2	578.2	652.6	715.9	714.1	724.2	743.4
35°	810.4	737.0	623.2	607.6	552.5	553.5	637.0	690.2	691.1	700.3	712.2
37.5°	784.7	701.2	550.7	577.3	526.8	526.8	615.9	666.3	664.5	667.3	683.8
40°	754.4	645.2	486.5	537.9	503.0	500.2	590.2	640.6	634.2	633.3	656.2
42.5°	722.3	583.7	438.7	485.6	475.5	471.8	559.0	609.4	597.5	600.3	629.6
45°	687.4	567.2	402.0	410.3	447.0	444.3	525.0	573.7	565.4	572.7	603.0
47.5°	652.6	534.2	390.1	340.6	416.7	415.8	487.4	538.8	534.2	541.5	573.7
50°	604.9	497.5	389.2	291.8	382.8	386.4	442.4	504.8	504.8	511.2	545.2
52.5°	543.4	452.5	353.4	264.3	343.3	354.3	403.0	475.5	477.3	483.7	514.0
55°	487.4	405.7	327.7	243.2	296.4	320.3	364.4	445.2	448.8	455.3	482.8
57.5°	436.0	337.8	322.1	218.4	253.3	276.2	330.5	415.8	417.6	423.1	449.8
60°	380.9	244.1	295.5	191.8	215.7	233.1	299.2	380.9	387.4	391.0	414.0
62.5°	318.4	177.1	268.0	173.4	197.3	201.0	273.5	347.9	356.2	358.9	372.7
65°	226.7	148.7	227.6	157.8	178.0	179.0	245.9	313.9	321.2	325.8	336.0
67.5°	153.3	121.1	173.4	143.2	163.3	164.3	219.3	274.4	284.5	288.2	294.6
70°	106.5	80.8	128.5	127.6	146.8	148.7	190.9	238.6	247.8	250.5	254.2
72.5°	78.0	65.2	106.5	114.7	129.4	131.2	161.5	198.2	207.4	210.2	212.0
75°	59.7	68.8	86.3	100.0	110.1	111.0	132.1	161.5	167.9	169.8	170.7
77.5°	47.7	64.2	63.3	80.8	89.9	88.1	103.7	124.8	130.3	130.3	130.3
80°	35.8	50.5	47.7	57.8	66.1	64.2	74.3	89.0	90.9	92.7	91.8
82.5°	26.6	32.1	32.1	36.7	44.0	42.2	49.6	57.8	57.8	57.8	59.7
85°	16.5	18.4	14.7	19.3	24.8	23.9	27.5	31.2	32.1	32.1	30.3
87.5°	10.1	8.3	4.6	7.3	11.0	11.0	12.8	13.8	12.8	12.8	12.8
90°	7.4	5.1	2.8	5.1	7.4	8.0	12.6	18.6	21.7	19.3	14.4
92.5°	50.0	30.7	11.4	30.7	50.0	54.9	77.2	106.9	121.8	106.7	76.6
95°	98.2	62.8	27.3	62.8	98.2	107.0	190.0	300.5	355.9	317.5	240.9
97.5°	109.7	78.5	47.3	78.5	109.7	117.5	255.9	440.3	532.5	508.3	459.9
100°	119.2	90.9	62.6	90.9	119.2	126.3	279.8	484.5	586.9	588.6	592.2
102.5°	128.5	102.1	75.7	102.1	128.5	135.1	290.8	498.5	602.3	633.1	694.8
105°	142.6	120.2	97.8	120.2	142.6	148.2	299.0	500.1	600.5	669.7	808.0
107.5°	162.3	141.5	120.6	141.5	162.3	167.6	300.5	477.8	566.4	662.9	855.8
110°	173.7	154.8	136.0	154.8	173.7	178.4	298.3	458.0	538.0	645.8	861.4



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	186.9	169.0	151.1	169.0	186.9	191.4	298.3	440.9	512.1	622.5	843.2
115°	206.9	190.3	173.8	190.3	206.9	211.1	301.1	421.0	481.1	587.4	800.0
117.5°	226.4	211.3	196.3	211.3	226.4	230.2	306.7	408.6	459.7	555.7	747.6
120°	237.7	223.6	209.4	223.6	237.7	241.3	311.2	404.5	451.1	538.9	714.2
122.5°	250.7	236.5	222.2	236.5	250.7	254.3	317.7	402.3	444.6	523.5	681.5
125°	267.9	254.8	241.8	254.8	267.9	271.1	326.6	400.6	437.6	504.6	638.8
127.5°	284.0	270.9	257.8	270.9	284.0	287.3	335.4	399.6	431.6	489.2	604.4
130°	294.6	280.4	266.3	280.4	294.6	298.2	341.8	400.1	429.3	480.6	583.1
132.5°	303.4	289.3	275.1	289.3	303.4	307.0	347.1	400.6	427.3	473.2	565.0
135°	313.9	301.0	288.2	301.0	313.9	317.2	352.8	400.2	423.9	462.3	539.2
137.5°	327.1	314.3	301.6	314.3	327.1	330.3	361.3	402.7	423.3	455.8	520.8
140°	336.2	324.4	312.7	324.4	336.2	339.1	366.5	403.1	421.3	449.4	505.5
142.5°	342.9	332.0	321.2	332.0	342.9	345.6	370.8	404.5	421.3	446.0	495.3
145°	353.2	343.8	334.2	343.8	353.2	355.6	376.5	404.5	418.5	438.7	478.9
147.5°	365.8	356.5	347.3	356.5	365.8	368.1	384.9	407.3	418.5	434.3	466.1
150°	372.6	364.2	355.9	364.2	372.6	374.7	389.3	408.7	418.5	431.9	458.7
152.5°	377.4	371.0	364.7	371.0	377.4	378.9	392.1	409.7	418.5	429.9	452.8
155°	387.1	382.5	377.8	382.5	387.1	388.3	398.4	411.8	418.5	427.6	445.7
157.5°	396.6	392.0	387.5	392.0	396.6	397.7	404.6	413.9	418.5	425.5	439.7
160°	401.0	397.5	394.0	397.5	401.0	402.0	407.5	414.8	418.5	424.5	436.7
162.5°	405.9	403.2	400.6	403.2	405.9	406.5	410.5	415.8	418.5	423.6	433.8
165°	412.4	410.0	407.6	410.0	412.4	413.1	414.9	417.3	418.5	422.1	429.5
167.5°	416.4	415.3	414.2	415.3	416.4	416.7	418.3	420.3	421.3	423.7	428.6
170°	420.8	419.6	418.5	419.6	420.8	421.0	421.1	421.2	421.3	423.7	428.6
172.5°	421.2	421.0	420.8	421.0	421.2	421.3	421.3	421.3	421.3	423.2	427.0
175°	423.9	423.9	423.9	423.9	423.9	423.9	423.1	421.9	421.3	422.5	424.9
177.5°	423.9	423.9	423.9	423.9	423.9	423.9	423.2	422.3	421.9	422.8	424.7
180°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1	970.1
2.5°	936.1	933.4	937.1	927.0	937.1	933.4	936.1	942.6	937.1	940.7	944.4
5°	821.4	816.8	802.2	790.2	802.2	816.8	821.4	840.7	849.9	866.4	888.4
7.5°	734.2	730.6	726.9	719.6	726.9	730.6	734.2	739.8	748.9	763.6	780.1
10°	715.0	715.9	721.4	720.5	721.4	715.9	715.0	713.1	710.4	713.1	723.2
12.5°	764.5	772.8	803.1	801.2	803.1	772.8	764.5	727.8	703.0	698.5	700.3
15°	821.4	824.2	830.6	831.5	830.6	824.2	821.4	806.7	732.4	700.3	690.2
17.5°	826.9	827.9	832.4	832.4	832.4	827.9	826.9	820.5	795.7	752.6	695.7
20°	822.3	824.2	833.4	835.2	833.4	824.2	822.3	814.1	800.3	784.7	741.6
22.5°	820.5	824.2	831.5	830.6	831.5	824.2	820.5	807.7	795.7	784.7	767.3
25°	811.3	811.3	812.3	813.2	812.3	811.3	811.3	801.2	777.4	774.6	764.5
27.5°	792.1	793.9	799.4	798.5	799.4	793.9	792.1	788.4	762.7	759.9	752.6
30°	774.6	772.8	768.2	764.5	768.2	772.8	774.6	769.1	743.4	736.1	737.9
32.5°	745.3	740.7	736.1	733.3	736.1	740.7	745.3	743.4	724.2	714.1	715.9
35°	710.4	711.3	710.4	707.6	710.4	711.3	710.4	712.2	700.3	691.1	690.2
37.5°	685.6	687.4	686.5	682.9	686.5	687.4	685.6	683.8	667.3	664.5	666.3
40°	659.9	660.8	659.9	657.2	659.9	660.8	659.9	656.2	633.3	634.2	640.6
42.5°	635.1	634.2	631.5	629.6	631.5	634.2	635.1	629.6	600.3	597.5	609.4
45°	606.7	607.6	602.1	599.3	602.1	607.6	606.7	603.0	572.7	565.4	573.7
47.5°	578.2	578.2	573.7	570.9	573.7	578.2	578.2	573.7	541.5	534.2	538.8
50°	548.0	547.0	540.6	539.7	540.6	547.0	548.0	545.2	511.2	504.8	504.8
52.5°	513.1	513.1	514.0	515.8	514.0	513.1	513.1	514.0	483.7	477.3	475.5
55°	482.8	483.7	490.1	492.0	490.1	483.7	482.8	482.8	455.3	448.8	445.2
57.5°	451.6	451.6	456.2	456.2	456.2	451.6	451.6	449.8	423.1	417.6	415.8
60°	415.8	417.6	421.3	420.4	421.3	417.6	415.8	414.0	391.0	387.4	380.9
62.5°	378.2	380.0	380.9	379.1	380.9	380.0	378.2	372.7	358.9	356.2	347.9
65°	338.7	340.6	341.5	339.6	341.5	340.6	338.7	336.0	325.8	321.2	313.9
67.5°	298.3	297.3	296.4	300.1	296.4	297.3	298.3	294.6	288.2	284.5	274.4
70°	257.0	257.0	256.0	257.9	256.0	257.0	257.0	254.2	250.5	247.8	238.6
72.5°	212.9	212.0	215.7	212.9	215.7	212.0	212.9	212.0	210.2	207.4	198.2
75°	169.8	171.6	169.8	172.5	169.8	171.6	169.8	170.7	169.8	167.9	161.5
77.5°	129.4	131.2	129.4	129.4	129.4	131.2	129.4	130.3	130.3	130.3	124.8
80°	91.8	90.9	90.9	89.9	90.9	90.9	91.8	91.8	92.7	90.9	89.0
82.5°	58.7	57.8	57.8	59.7	57.8	57.8	58.7	59.7	57.8	57.8	57.8
85°	32.1	33.0	31.2	31.2	31.2	33.0	32.1	30.3	32.1	32.1	31.2
87.5°	11.9	11.0	11.0	11.0	11.0	11.0	11.9	12.8	12.8	12.8	13.8
90°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	14.4	19.3	21.7	18.6
92.5°	54.1	51.9	43.3	34.7	43.3	51.9	54.1	76.6	106.7	121.8	106.9
95°	183.4	176.9	151.0	124.9	151.0	176.9	183.4	240.9	317.5	355.9	300.5
97.5°	423.6	411.2	361.7	312.1	361.7	411.2	423.6	459.9	508.3	532.5	440.3
100°	594.8	580.1	521.1	462.0	521.1	580.1	594.8	592.2	588.6	586.9	484.5
102.5°	741.0	728.4	677.8	627.2	677.8	728.4	741.0	694.8	633.1	602.3	498.5
105°	911.7	904.9	877.8	850.6	877.8	904.9	911.7	808.0	669.7	600.5	500.1
107.5°	1000.5	1002.1	1008.7	1015.3	1008.7	1002.1	1000.5	855.8	662.9	566.4	477.8
110°	1023.2	1030.3	1058.7	1087.0	1058.7	1030.3	1023.2	861.4	645.8	538.0	458.0



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1008.7	1019.7	1063.1	1106.6	1063.1	1019.7	1008.7	843.2	622.5	512.1	440.9
115°	959.5	974.6	1035.0	1095.3	1035.0	974.6	959.5	800.0	587.4	481.1	421.0
117.5°	891.5	908.2	975.1	1042.0	975.1	908.2	891.5	747.6	555.7	459.7	408.6
120°	845.7	862.0	927.0	991.9	927.0	862.0	845.7	714.2	538.9	451.1	404.5
122.5°	800.0	816.0	880.1	944.2	880.1	816.0	800.0	681.5	523.5	444.6	402.3
125°	739.4	754.2	813.2	872.2	813.2	754.2	739.4	638.8	504.6	437.6	400.6
127.5°	690.7	703.2	753.0	802.8	753.0	703.2	690.7	604.4	489.2	431.6	399.6
130°	660.0	671.5	717.5	763.5	717.5	671.5	660.0	583.1	480.6	429.3	400.1
132.5°	633.9	644.1	685.3	726.5	685.3	644.1	633.9	565.0	473.2	427.3	400.6
135°	596.9	605.8	641.3	676.8	641.3	605.8	596.9	539.2	462.3	423.9	400.2
137.5°	569.5	576.8	605.9	635.0	605.9	576.8	569.5	520.8	455.8	423.3	402.7
140°	547.6	554.4	581.6	608.8	581.6	554.4	547.6	505.5	449.4	421.3	403.1
142.5°	532.3	538.1	561.4	584.8	561.4	538.1	532.3	495.3	446.0	421.3	404.5
145°	509.2	513.6	531.3	549.1	531.3	513.6	509.2	478.9	438.7	418.5	404.5
147.5°	489.9	493.5	508.2	522.9	508.2	493.5	489.9	466.1	434.3	418.5	407.3
150°	478.8	481.7	493.6	505.6	493.6	481.7	478.8	458.7	431.9	418.5	408.7
152.5°	470.0	472.2	481.1	490.1	481.1	472.2	470.0	452.8	429.9	418.5	409.7
155°	459.4	460.9	466.8	472.8	466.8	460.9	459.4	445.7	427.6	418.5	411.8
157.5°	450.3	451.3	455.5	459.7	455.5	451.3	450.3	439.7	425.5	418.5	413.9
160°	445.8	446.4	448.8	451.1	448.8	446.4	445.8	436.7	424.5	418.5	414.8
162.5°	441.5	442.1	444.3	446.6	444.3	442.1	441.5	433.8	423.6	418.5	415.8
165°	435.0	435.6	438.0	440.4	438.0	435.6	435.0	429.5	422.1	418.5	417.3
167.5°	432.1	432.4	433.4	434.4	433.4	432.4	432.1	428.6	423.7	421.3	420.3
170°	432.1	432.1	432.1	432.1	432.1	432.1	432.1	428.6	423.7	421.3	421.2
172.5°	429.8	429.7	428.7	427.8	428.7	429.7	429.8	427.0	423.2	421.3	421.3
175°	426.7	426.7	426.7	426.7	426.7	426.7	426.7	424.9	422.5	421.3	421.9
177.5°	426.2	425.9	424.9	423.9	424.9	425.9	426.2	424.7	422.8	421.9	422.3
180°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	970.1	970.1	970.1	970.1	970.1
2.5°	958.2	962.8	965.5	969.2	978.4
5°	921.5	938.9	944.4	958.2	974.7
7.5°	840.7	893.9	908.6	941.6	967.3
10°	762.7	815.9	841.6	919.6	958.2
12.5°	723.2	754.4	771.9	881.1	945.3
15°	698.5	720.5	733.3	829.7	930.6
17.5°	679.2	694.8	704.0	779.2	910.4
20°	667.3	674.6	682.9	742.5	887.5
22.5°	659.0	654.4	660.8	716.8	856.3
25°	653.5	636.1	643.4	696.6	819.6
27.5°	658.1	619.5	622.3	678.3	781.1
30°	659.0	599.3	600.3	659.0	737.9
32.5°	652.6	578.2	579.2	635.1	689.3
35°	637.0	553.5	552.5	607.6	623.2
37.5°	615.9	526.8	526.8	577.3	550.7
40°	590.2	500.2	503.0	537.9	486.5
42.5°	559.0	471.8	475.5	485.6	438.7
45°	525.0	444.3	447.0	410.3	402.0
47.5°	487.4	415.8	416.7	340.6	390.1
50°	442.4	386.4	382.8	291.8	389.2
52.5°	403.0	354.3	343.3	264.3	353.4
55°	364.4	320.3	296.4	243.2	327.7
57.5°	330.5	276.2	253.3	218.4	322.1
60°	299.2	233.1	215.7	191.8	295.5
62.5°	273.5	201.0	197.3	173.4	268.0
65°	245.9	179.0	178.0	157.8	227.6
67.5°	219.3	164.3	163.3	143.2	173.4
70°	190.9	148.7	146.8	127.6	128.5
72.5°	161.5	131.2	129.4	114.7	106.5
75°	132.1	111.0	110.1	100.0	86.3
77.5°	103.7	88.1	89.9	80.8	63.3
80°	74.3	64.2	66.1	57.8	47.7
82.5°	49.6	42.2	44.0	36.7	32.1
85°	27.5	23.9	24.8	19.3	14.7
87.5°	12.8	11.0	11.0	7.3	4.6
90°	12.6	8.0	7.4	5.1	2.8
92.5°	77.2	54.9	50.0	30.7	11.4
95°	190.0	107.0	98.2	62.8	27.3
97.5°	255.9	117.5	109.7	78.5	47.3
100°	279.8	126.3	119.2	90.9	62.6
102.5°	290.8	135.1	128.5	102.1	75.7
105°	299.0	148.2	142.6	120.2	97.8
107.5°	300.5	167.6	162.3	141.5	120.6
110°	298.3	178.4	173.7	154.8	136.0



TEST NUMBER: P934760

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	298.3	191.4	186.9	169.0	151.1
115°	301.1	211.1	206.9	190.3	173.8
117.5°	306.7	230.2	226.4	211.3	196.3
120°	311.2	241.3	237.7	223.6	209.4
122.5°	317.7	254.3	250.7	236.5	222.2
125°	326.6	271.1	267.9	254.8	241.8
127.5°	335.4	287.3	284.0	270.9	257.8
130°	341.8	298.2	294.6	280.4	266.3
132.5°	347.1	307.0	303.4	289.3	275.1
135°	352.8	317.2	313.9	301.0	288.2
137.5°	361.3	330.3	327.1	314.3	301.6
140°	366.5	339.1	336.2	324.4	312.7
142.5°	370.8	345.6	342.9	332.0	321.2
145°	376.5	355.6	353.2	343.8	334.2
147.5°	384.9	368.1	365.8	356.5	347.3
150°	389.3	374.7	372.6	364.2	355.9
152.5°	392.1	378.9	377.4	371.0	364.7
155°	398.4	388.3	387.1	382.5	377.8
157.5°	404.6	397.7	396.6	392.0	387.5
160°	407.5	402.0	401.0	397.5	394.0
162.5°	410.5	406.5	405.9	403.2	400.6
165°	414.9	413.1	412.4	410.0	407.6
167.5°	418.3	416.7	416.4	415.3	414.2
170°	421.1	421.0	420.8	419.6	418.5
172.5°	421.3	421.3	421.2	421.0	420.8
175°	423.1	423.9	423.9	423.9	423.9
177.5°	423.2	423.9	423.9	423.9	423.9
180°	423.9	423.9	423.9	423.9	423.9



TEST NUMBER: P934760
 CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-4-5000K

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	12.22	13.06	13.20	14.05	15.36	15.02	15.86	15.99	16.85	18.15
	3H	12.70	13.45	13.68	14.45	15.77	16.35	17.11	17.34	18.11	19.43
	4H	12.89	13.60	13.89	14.60	15.94	16.79	17.50	17.79	18.51	19.84
	6H	13.01	13.66	14.02	14.67	16.02	17.07	17.72	18.08	18.73	20.07
	8H	13.01	13.63	14.02	14.66	16.00	17.14	17.76	18.15	18.78	20.13
	12H	12.98	13.57	14.00	14.59	15.96	17.17	17.76	18.19	18.78	20.15
4H	2H	13.25	13.96	14.25	14.96	16.29	15.43	16.14	16.43	17.14	18.48
	3H	14.27	14.86	15.28	15.89	17.24	16.92	17.52	17.94	18.55	19.89
	4H	14.54	15.09	15.57	16.11	17.48	17.44	17.99	18.47	19.01	20.38
	6H	14.67	15.14	15.70	16.18	17.55	17.80	18.27	18.83	19.31	20.68
	8H	14.67	15.11	15.71	16.15	17.53	17.90	18.34	18.93	19.38	20.76
	12H	14.64	15.04	15.69	16.09	17.48	17.95	18.35	19.00	19.40	20.79
8H	4H	14.99	15.43	16.03	16.47	17.85	17.57	18.00	18.60	19.04	20.42
	6H	15.25	15.61	16.31	16.69	18.07	17.99	18.35	19.05	19.44	20.81
	8H	15.29	15.61	16.36	16.68	18.07	18.14	18.46	19.21	19.52	20.92
	12H	15.28	15.56	16.35	16.62	18.06	18.23	18.51	19.30	19.57	21.01
12H	4H	15.00	15.39	16.05	16.44	17.83	17.53	17.92	18.58	18.98	20.36
	6H	15.31	15.63	16.38	16.70	18.09	17.99	18.31	19.06	19.37	20.77
	8H	15.38	15.66	16.45	16.72	18.16	18.15	18.43	19.22	19.49	20.92