

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: P934640

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

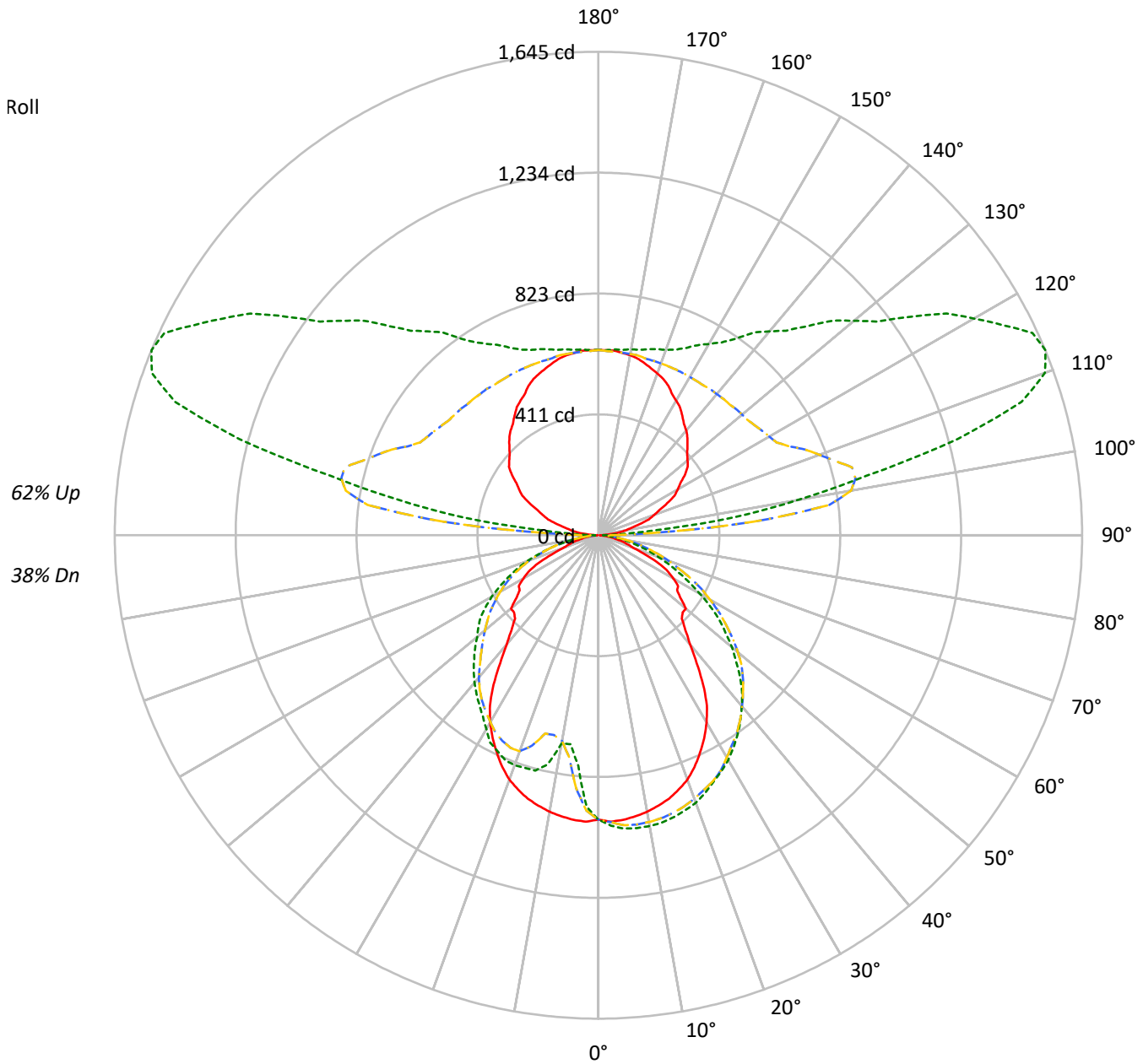
Test Method: LM-79-2019  
Report Number: P934640  
REPORT IS A COMBINATION OF REPORTS P933707 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6595.8 lumens  
Efficiency: N/A  
Efficacy: 127.8 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-Indirect  
  
Input Watts (W): 51.6  
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: P934640  
CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P934640  
 CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

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

RF	20					20						20								20		
RC	80					70						30								10	0	
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	0
RCR																						
0	104	104	104	104		95	95	95	95		77	77	77		60	60	60		45	45	45	38
1	95	91	87	84		86	83	79	77		67	65	63		53	52	50		40	39	38	32
2	87	79	73	68		78	72	67	63		59	55	52		47	44	42		35	34	32	27
3	79	70	63	57		71	64	57	52		52	47	44		41	38	35		31	29	27	23
4	72	62	54	48		65	56	50	44		46	41	37		37	33	30		28	25	24	20
5	66	55	47	41		60	50	43	38		41	36	32		33	29	26		25	22	20	17
6	61	49	41	35		55	45	38	33		37	32	28		30	26	23		23	20	18	15
7	56	44	36	31		51	40	34	29		33	28	24		27	23	20		21	18	16	13
8	52	40	32	27		47	37	30	25		30	25	22		24	21	18		19	16	14	12
9	48	36	29	24		44	33	27	22		28	23	19		22	19	16		17	15	13	11
10	45	33	26	22		41	31	24	20		26	21	17		21	17	14		16	14	12	10

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

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6026	6040	6026	4749
10°	5983	5950	5983	4253
15°	5916	5821	5916	4860
20°	5790	5668	5790	4871
25°	5534	5446	5534	4768
30°	5205	5261	5205	4541
35°	4639	5026	4639	4292
40°	3863	4751	3863	4104
45°	3449	4429	3449	3887
50°	3661	4045	3661	3670
55°	3442	3631	3442	3545
60°	3543	3084	3543	3246
65°	3208	2549	3208	2849
70°	2216	2031	2216	2389
75°	1937	1501	1937	1798
80°	1549	992	1549	1081
85°	870	526	870	447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5290 cd/sqm



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	1.3
10°-20°	247.9	3.8
20°-30°	383.2	5.8
30°-40°	457.5	6.9
40°-50°	460.1	7.0
50°-60°	400.4	6.1
60°-70°	283.9	4.3
70°-80°	150.2	2.3
80°-90°	39.8	0.6
90°-100°	307.2	4.7
100°-110°	807.7	12.2
110°-120°	837.4	12.7
120°-130°	671.8	10.2
130°-140°	527.1	8.0
140°-150°	404.6	6.1
150°-160°	291.3	4.4
160°-170°	178.3	2.7
170°-180°	60.2	0.9
0°-30°	718.4	10.9
0°-40°	1175.9	17.8
0°-60°	2036.4	30.9
0°-90°	2510.3	38.1
90°-120°	1952.3	29.6
90°-150°	3555.7	53.9
90°-180°	4086.0	61.9
0°-180°	6595.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	967	967	967	967	967	
5°	972	1002	972	788	972	92
15°	928	993	928	829	928	261
25°	817	926	817	811	817	375
35°	621	826	621	706	621	384
45°	401	681	401	598	401	321
55°	327	502	327	490	327	300
65°	227	303	227	339	227	217
75°	86	144	86	172	86	90
85°	15	37	15	31	15	20
90°	4	16	4	16	4	4
95°	41	186	41	186	41	45
105°	146	1265	146	1265	146	154
115°	258	1628	258	1628	258	255
125°	360	1297	360	1297	360	319
135°	428	1006	428	1006	428	331
145°	497	816	497	816	497	311
155°	562	703	562	703	562	258
165°	606	655	606	655	606	171
175°	630	634	630	634	630	60
180°	630	630	630	630	630	



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	975.5	975.5	981.0	982.8	982.8	980.0	977.3	980.0	988.3	991.0	990.1
5°	971.8	979.1	989.2	991.0	992.9	992.0	990.1	992.0	1001.1	1003.0	1003.9
7.5°	964.5	978.2	991.0	993.8	996.5	993.8	992.9	994.7	1003.9	1005.7	1005.7
10°	955.3	974.6	989.2	991.0	993.8	991.0	991.0	994.7	1003.9	1005.7	1006.6
12.5°	942.6	969.0	982.8	984.6	988.3	987.4	986.4	990.1	999.2	1001.1	1001.1
15°	927.9	959.0	971.8	973.7	980.0	978.2	978.2	981.9	992.0	994.7	993.8
17.5°	907.7	946.2	960.8	963.6	968.1	967.2	968.1	971.8	981.0	982.8	983.7
20°	884.9	928.8	946.2	948.9	953.5	953.5	953.5	958.1	967.2	970.9	970.9
22.5°	853.8	910.5	928.8	930.6	936.1	936.1	937.9	944.4	952.6	953.5	953.5
25°	817.1	890.4	905.9	911.5	916.9	919.6	922.4	926.1	928.8	927.9	928.8
27.5°	778.7	864.7	884.9	888.5	895.9	898.6	902.3	903.2	904.1	906.8	905.0
30°	735.7	829.0	859.2	862.9	874.8	876.6	873.0	874.8	879.3	881.3	883.1
32.5°	687.2	776.0	832.7	841.0	852.0	846.4	845.5	848.2	855.6	855.6	857.4
35°	621.4	734.8	808.0	815.3	823.6	817.1	820.9	821.8	826.3	829.0	828.1
37.5°	549.1	699.1	782.4	787.8	794.3	786.0	791.6	794.3	797.9	796.1	796.1
40°	485.0	643.3	752.2	755.8	761.4	754.9	760.5	762.3	764.1	762.3	761.4
42.5°	437.4	582.0	720.2	724.7	721.1	725.6	727.5	731.2	728.4	724.7	724.7
45°	400.8	565.5	685.4	690.9	685.4	692.7	695.4	695.4	687.2	685.4	684.5
47.5°	388.9	532.6	650.7	650.7	647.8	657.0	661.6	655.2	646.9	644.2	644.2
50°	388.0	495.9	603.0	599.4	612.2	623.2	618.6	612.2	605.8	595.7	595.7
52.5°	352.3	451.1	541.7	555.4	575.6	582.0	574.7	568.3	557.2	552.7	549.1
55°	326.7	404.4	485.9	513.4	534.4	542.6	529.0	522.5	506.0	503.3	501.5
57.5°	321.2	336.7	434.6	469.5	495.0	494.1	485.9	474.0	460.3	457.5	456.6
60°	294.6	243.4	379.8	421.0	447.5	444.7	437.4	426.4	413.6	411.8	410.0
62.5°	267.2	176.7	317.6	364.2	401.7	400.8	394.4	378.0	368.8	364.2	360.6
65°	227.0	148.3	226.0	302.9	356.9	358.7	345.0	333.1	323.0	317.6	316.6
67.5°	172.9	120.8	152.8	252.6	313.9	312.0	294.6	289.2	276.3	273.6	268.2
70°	128.1	80.5	106.2	204.9	271.8	267.2	253.5	247.1	235.1	228.8	225.1
72.5°	106.2	64.9	77.8	159.2	228.8	223.3	211.4	204.0	194.0	188.5	184.8
75°	86.1	68.6	59.5	118.1	185.7	182.1	171.1	163.8	155.5	148.3	149.2
77.5°	63.1	64.0	47.6	87.0	147.4	141.8	135.4	126.3	122.6	115.3	115.3
80°	47.6	50.3	35.7	59.5	106.2	106.2	100.7	94.2	87.9	84.2	84.2
82.5°	32.0	32.0	26.6	37.5	72.3	69.6	65.9	64.0	60.4	58.6	58.6
85°	14.6	18.3	16.5	22.8	39.4	41.2	41.2	39.4	38.5	36.6	37.5
87.5°	4.5	8.3	10.1	12.8	20.1	21.0	21.9	21.9	21.9	22.8	22.8
90°	4.2	7.5	11.0	11.8	18.6	27.6	32.1	28.6	21.5	16.1	16.1
92.5°	16.9	45.7	74.4	81.6	114.7	158.9	181.0	158.6	113.9	80.3	77.1
95°	40.6	93.2	145.8	159.0	282.4	446.9	529.1	472.2	358.2	272.8	263.2
97.5°	70.2	116.6	163.0	174.7	380.4	654.7	791.8	755.8	683.9	629.8	611.4
100°	93.1	135.2	177.3	187.8	416.1	720.4	872.6	875.3	880.5	884.4	862.5
102.5°	112.5	151.8	191.1	200.9	432.4	741.1	895.4	941.3	1033.1	1101.8	1083.0
105°	145.5	178.8	212.1	220.4	444.5	743.4	892.9	995.7	1201.4	1355.6	1345.5
107.5°	179.4	210.4	241.4	249.1	446.8	710.3	842.1	985.6	1272.5	1487.6	1490.1
110°	202.2	230.2	258.2	265.2	443.4	681.0	799.8	960.2	1281.0	1521.5	1532.0



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	224.6	251.2	278.0	284.6	443.5	655.4	761.4	925.5	1253.7	1499.8	1516.0
115°	258.4	283.1	307.6	313.8	447.6	626.0	715.2	873.3	1189.5	1426.7	1449.1
117.5°	291.8	314.2	336.6	342.2	456.0	607.6	683.5	826.2	1111.6	1325.6	1350.4
120°	311.3	332.4	353.4	358.7	462.7	601.5	670.9	801.2	1061.9	1257.5	1281.7
122.5°	330.4	351.6	372.9	378.1	472.5	598.3	661.1	778.5	1013.2	1189.4	1213.2
125°	359.5	378.9	398.2	403.1	485.6	595.5	650.6	750.3	949.8	1099.3	1121.2
127.5°	383.2	402.8	422.3	427.2	498.7	594.0	641.7	727.3	898.5	1027.0	1045.5
130°	395.9	417.0	438.0	443.3	508.3	595.0	638.3	714.5	867.0	981.3	998.4
132.5°	409.0	430.1	451.1	456.4	516.0	595.5	635.3	703.5	840.0	942.4	957.7
135°	428.4	447.6	466.8	471.6	524.5	595.0	630.2	687.3	801.7	887.4	900.5
137.5°	448.4	467.3	486.3	491.0	537.1	598.6	629.4	677.7	774.3	846.8	857.6
140°	464.8	482.3	499.8	504.2	545.0	599.3	626.4	668.1	751.6	814.2	824.3
142.5°	477.6	493.8	509.9	513.9	551.4	601.4	626.4	663.0	736.4	791.4	800.1
145°	497.0	511.1	525.1	528.7	559.9	601.5	622.2	652.2	712.2	757.1	763.6
147.5°	516.4	530.1	543.9	547.3	572.3	605.5	622.2	645.8	693.0	728.3	733.8
150°	529.1	541.5	554.0	557.1	578.8	607.7	622.2	642.1	682.0	711.9	716.3
152.5°	542.2	551.7	561.1	563.4	583.0	609.1	622.2	639.2	673.2	698.8	702.1
155°	561.7	568.6	575.6	577.3	592.3	612.2	622.2	635.7	662.9	683.1	685.3
157.5°	576.1	582.9	589.6	591.4	601.6	615.4	622.2	632.7	653.8	669.6	671.1
160°	585.8	591.1	596.4	597.6	605.8	616.7	622.2	631.2	649.2	662.8	663.7
162.5°	595.5	599.5	603.5	604.5	610.4	618.3	622.2	629.8	645.0	656.5	657.3
165°	606.1	609.7	613.3	614.2	616.8	620.4	622.2	627.6	638.6	646.8	647.7
167.5°	615.8	617.6	619.2	619.6	621.9	624.9	626.4	629.9	637.1	642.5	642.8
170°	622.2	623.9	625.6	626.0	626.1	626.3	626.4	629.9	637.1	642.5	642.5
172.5°	625.6	625.9	626.3	626.4	626.4	626.4	626.4	629.2	634.8	639.1	638.7
175°	630.2	630.2	630.2	630.2	628.9	627.2	626.4	628.2	631.7	634.5	634.5
177.5°	630.2	630.2	630.2	630.2	629.2	627.9	627.3	628.7	631.6	633.7	633.3
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	992.0	989.2	992.0	990.1	991.0	988.3	980.0	977.3	980.0	982.8	982.8
5°	1003.9	1002.0	1003.9	1003.9	1003.0	1001.1	992.0	990.1	992.0	992.9	991.0
7.5°	1007.5	1004.8	1007.5	1005.7	1005.7	1003.9	994.7	992.9	993.8	996.5	993.8
10°	1007.5	1004.8	1007.5	1006.6	1005.7	1003.9	994.7	991.0	991.0	993.8	991.0
12.5°	1003.0	1001.1	1003.0	1001.1	1001.1	999.2	990.1	986.4	987.4	988.3	984.6
15°	995.6	992.9	995.6	993.8	994.7	992.0	981.9	978.2	978.2	980.0	973.7
17.5°	984.6	981.0	984.6	983.7	982.8	981.0	971.8	968.1	967.2	968.1	963.6
20°	971.8	969.0	971.8	970.9	970.9	967.2	958.1	953.5	953.5	953.5	948.9
22.5°	951.7	948.9	951.7	953.5	953.5	952.6	944.4	937.9	936.1	936.1	930.6
25°	928.8	926.1	928.8	928.8	927.9	928.8	926.1	922.4	919.6	916.9	911.5
27.5°	906.8	905.0	906.8	905.0	906.8	904.1	903.2	902.3	898.6	895.9	888.5
30°	884.9	883.1	884.9	883.1	881.3	879.3	874.8	873.0	876.6	874.8	862.9
32.5°	857.4	855.6	857.4	857.4	855.6	855.6	848.2	845.5	846.4	852.0	841.0
35°	829.0	826.3	829.0	828.1	829.0	826.3	821.8	820.9	817.1	823.6	815.3
37.5°	796.1	793.4	796.1	796.1	796.1	797.9	794.3	791.6	786.0	794.3	787.8
40°	762.3	758.6	762.3	761.4	762.3	764.1	762.3	760.5	754.9	761.4	755.8
42.5°	723.8	722.9	723.8	724.7	724.7	728.4	731.2	727.5	725.6	721.1	724.7
45°	682.7	680.8	682.7	684.5	685.4	687.2	695.4	695.4	692.7	685.4	690.9
47.5°	638.7	634.1	638.7	644.2	644.2	646.9	655.2	661.6	657.0	647.8	650.7
50°	592.1	593.0	592.1	595.7	595.7	605.8	612.2	618.6	623.2	612.2	599.4
52.5°	546.3	545.4	546.3	549.1	552.7	557.2	568.3	574.7	582.0	575.6	555.4
55°	500.6	502.4	500.6	501.5	503.3	506.0	522.5	529.0	542.6	534.4	513.4
57.5°	454.8	452.1	454.8	456.6	457.5	460.3	474.0	485.9	494.1	495.0	469.5
60°	401.7	398.1	401.7	410.0	411.8	413.6	426.4	437.4	444.7	447.5	421.0
62.5°	355.0	348.7	355.0	360.6	364.2	368.8	378.0	394.4	400.8	401.7	364.2
65°	305.6	302.9	305.6	316.6	317.6	323.0	333.1	345.0	358.7	356.9	302.9
67.5°	260.8	260.8	260.8	268.2	273.6	276.3	289.2	294.6	312.0	313.9	252.6
70°	219.6	218.7	219.6	225.1	228.8	235.1	247.1	253.5	267.2	271.8	204.9
72.5°	180.3	179.4	180.3	184.8	188.5	194.0	204.0	211.4	223.3	228.8	159.2
75°	145.5	143.6	145.5	149.2	148.3	155.5	163.8	171.1	182.1	185.7	118.1
77.5°	111.6	111.6	111.6	115.3	115.3	122.6	126.3	135.4	141.8	147.4	87.0
80°	83.2	82.3	83.2	84.2	84.2	87.9	94.2	100.7	106.2	106.2	59.5
82.5°	58.6	56.8	58.6	58.6	58.6	60.4	64.0	65.9	69.6	72.3	37.5
85°	36.6	36.6	36.6	37.5	36.6	38.5	39.4	41.2	41.2	39.4	22.8
87.5°	23.8	22.8	23.8	22.8	22.8	21.9	21.9	21.9	21.0	20.1	12.8
90°	16.1	16.1	16.1	16.1	16.1	21.5	28.6	32.1	27.6	18.6	11.8
92.5°	64.3	51.6	64.3	77.1	80.3	113.9	158.6	181.0	158.9	114.7	81.6
95°	224.4	185.7	224.4	263.2	272.8	358.2	472.2	529.1	446.9	282.4	159.0
97.5°	537.7	464.0	537.7	611.4	629.8	683.9	755.8	791.8	654.7	380.4	174.7
100°	774.6	686.9	774.6	862.5	884.4	880.5	875.3	872.6	720.4	416.1	187.8
102.5°	1007.9	932.7	1007.9	1083.0	1101.8	1033.1	941.3	895.4	741.1	432.4	200.9
105°	1305.1	1264.7	1305.1	1345.5	1355.6	1201.4	995.7	892.9	743.4	444.5	220.4
107.5°	1499.8	1509.5	1499.8	1490.1	1487.6	1272.5	985.6	842.1	710.3	446.8	249.1
110°	1574.0	1616.2	1574.0	1532.0	1521.5	1281.0	960.2	799.8	681.0	443.4	265.2





TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1580.7	1645.4	1580.7	1516.0	1499.8	1253.7	925.5	761.4	655.4	443.5	284.6
115°	1538.7	1628.4	1538.7	1449.1	1426.7	1189.5	873.3	715.2	626.0	447.6	313.8
117.5°	1449.9	1549.3	1449.9	1350.4	1325.6	1111.6	826.2	683.5	607.6	456.0	342.2
120°	1378.3	1474.9	1378.3	1281.7	1257.5	1061.9	801.2	670.9	601.5	462.7	358.7
122.5°	1308.5	1403.8	1308.5	1213.2	1189.4	1013.2	778.5	661.1	598.3	472.5	378.1
125°	1209.1	1296.9	1209.1	1121.2	1099.3	949.8	750.3	650.6	595.5	485.6	403.1
127.5°	1119.6	1193.6	1119.6	1045.5	1027.0	898.5	727.3	641.7	594.0	498.7	427.2
130°	1066.8	1135.2	1066.8	998.4	981.3	867.0	714.5	638.3	595.0	508.3	443.3
132.5°	1019.0	1080.3	1019.0	957.7	942.4	840.0	703.5	635.3	595.5	516.0	456.4
135°	953.4	1006.2	953.4	900.5	887.4	801.7	687.3	630.2	595.0	524.5	471.6
137.5°	900.8	944.1	900.8	857.6	846.8	774.3	677.7	629.4	598.6	537.1	491.0
140°	864.8	905.2	864.8	824.3	814.2	751.6	668.1	626.4	599.3	545.0	504.2
142.5°	834.9	869.6	834.9	800.1	791.4	736.4	663.0	626.4	601.4	551.4	513.9
145°	790.0	816.3	790.0	763.6	757.1	712.2	652.2	622.2	601.5	559.9	528.7
147.5°	755.5	777.4	755.5	733.8	728.3	693.0	645.8	622.2	605.5	572.3	547.3
150°	734.0	751.6	734.0	716.3	711.9	682.0	642.1	622.2	607.7	578.8	557.1
152.5°	715.4	728.8	715.4	702.1	698.8	673.2	639.2	622.2	609.1	583.0	563.4
155°	694.1	703.0	694.1	685.3	683.1	662.9	635.7	622.2	612.2	592.3	577.3
157.5°	677.3	683.5	677.3	671.1	669.6	653.8	632.7	622.2	615.4	601.6	591.4
160°	667.2	670.9	667.2	663.7	662.8	649.2	631.2	622.2	616.7	605.8	597.6
162.5°	660.7	664.0	660.7	657.3	656.5	645.0	629.8	622.2	618.3	610.4	604.5
165°	651.2	654.8	651.2	647.7	646.8	638.6	627.6	622.2	620.4	616.8	614.2
167.5°	644.4	645.8	644.4	642.8	642.5	637.1	629.9	626.4	624.9	621.9	619.6
170°	642.5	642.5	642.5	642.5	642.5	637.1	629.9	626.4	626.3	626.1	626.0
172.5°	637.5	636.1	637.5	638.7	639.1	634.8	629.2	626.4	626.4	626.4	626.4
175°	634.5	634.5	634.5	634.5	634.5	631.7	628.2	626.4	627.2	628.9	630.2
177.5°	631.7	630.2	631.7	633.3	633.7	631.6	628.7	627.3	627.9	629.2	630.2
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	981.0	975.5	975.5	966.3	962.7	959.9	955.3	941.7	937.9	934.3	939.7
5°	989.2	979.1	971.8	955.3	941.7	936.1	918.7	885.8	863.8	847.3	838.2
7.5°	991.0	978.2	964.5	938.8	905.9	891.3	838.2	777.8	761.4	746.7	737.5
10°	989.2	974.6	955.3	916.9	839.1	813.5	760.5	721.1	711.0	708.2	711.0
12.5°	982.8	969.0	942.6	878.4	769.6	752.2	721.1	698.2	696.3	701.0	725.6
15°	971.8	959.0	927.9	827.2	731.2	718.3	696.3	688.1	698.2	730.3	804.4
17.5°	960.8	946.2	907.7	776.9	701.9	692.7	677.1	693.6	750.4	793.4	818.0
20°	946.2	928.8	884.9	740.3	680.8	672.6	665.2	739.4	782.4	797.9	811.7
22.5°	928.8	910.5	853.8	714.7	658.9	652.5	657.0	765.0	782.4	793.4	805.3
25°	905.9	890.4	817.1	694.5	641.5	634.1	651.6	762.3	772.3	775.1	798.8
27.5°	884.9	864.7	778.7	676.2	620.5	617.6	656.1	750.4	757.7	760.5	786.0
30°	859.2	829.0	735.7	657.0	598.5	597.5	657.0	735.7	733.9	741.2	766.8
32.5°	832.7	776.0	687.2	633.2	577.4	576.5	650.7	713.8	712.0	722.0	741.2
35°	808.0	734.8	621.4	605.8	550.9	551.8	635.0	688.1	689.1	698.2	710.1
37.5°	782.4	699.1	549.1	575.6	525.2	525.2	614.0	664.3	662.5	665.2	681.8
40°	752.2	643.3	485.0	536.2	501.5	498.8	588.4	638.7	632.3	631.4	654.3
42.5°	720.2	582.0	437.4	484.1	474.0	470.4	557.2	607.6	595.7	598.5	627.7
45°	685.4	565.5	400.8	409.1	445.6	442.9	523.4	571.9	563.7	571.0	601.2
47.5°	650.7	532.6	388.9	339.5	415.4	414.5	485.9	537.1	532.6	539.9	571.9
50°	603.0	495.9	388.0	291.0	381.6	385.2	441.1	503.3	503.3	509.7	543.6
52.5°	541.7	451.1	352.3	263.5	342.2	353.2	401.7	474.0	475.8	482.3	512.4
55°	485.9	404.4	326.7	242.5	295.5	319.4	363.3	443.8	447.5	453.9	481.3
57.5°	434.6	336.7	321.2	217.8	252.6	275.4	329.5	414.5	416.3	421.9	448.4
60°	379.8	243.4	294.6	191.2	215.0	232.4	298.3	379.8	386.1	389.8	412.7
62.5°	317.6	176.7	267.2	172.9	196.8	200.4	272.7	346.8	355.0	357.8	371.5
65°	226.0	148.3	227.0	157.4	177.6	178.5	245.2	312.9	320.3	324.8	334.9
67.5°	152.8	120.8	172.9	142.7	162.9	163.8	218.7	273.6	283.7	287.4	293.7
70°	106.2	80.5	128.1	127.2	146.5	148.3	190.3	238.0	247.1	249.8	253.5
72.5°	77.8	64.9	106.2	114.3	129.0	130.9	161.1	197.7	206.9	209.6	211.4
75°	59.5	68.6	86.1	99.8	109.8	110.7	131.8	161.1	167.5	169.3	170.2
77.5°	47.6	64.0	63.1	80.5	89.7	87.9	103.4	124.4	129.9	129.9	129.9
80°	35.7	50.3	47.6	57.7	65.9	64.0	74.1	88.8	90.6	92.4	91.5
82.5°	26.6	32.0	32.0	36.6	43.9	42.1	49.4	57.7	57.7	57.7	59.5
85°	16.5	18.3	14.6	19.2	24.7	23.8	27.5	31.1	32.0	32.0	30.2
87.5°	10.1	8.3	4.5	7.3	11.0	11.0	12.8	13.7	12.8	12.8	12.8
90°	11.0	7.5	4.2	7.5	11.0	11.8	18.6	27.6	32.1	28.6	21.5
92.5°	74.4	45.7	16.9	45.7	74.4	81.6	114.7	158.9	181.0	158.6	113.9
95°	145.8	93.2	40.6	93.2	145.8	159.0	282.4	446.9	529.1	472.2	358.2
97.5°	163.0	116.6	70.2	116.6	163.0	174.7	380.4	654.7	791.8	755.8	683.9
100°	177.3	135.2	93.1	135.2	177.3	187.8	416.1	720.4	872.6	875.3	880.5
102.5°	191.1	151.8	112.5	151.8	191.1	200.9	432.4	741.1	895.4	941.3	1033.1
105°	212.1	178.8	145.5	178.8	212.1	220.4	444.5	743.4	892.9	995.7	1201.4
107.5°	241.4	210.4	179.4	210.4	241.4	249.1	446.8	710.3	842.1	985.6	1272.5
110°	258.2	230.2	202.2	230.2	258.2	265.2	443.4	681.0	799.8	960.2	1281.0



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	278.0	251.2	224.6	251.2	278.0	284.6	443.5	655.4	761.4	925.5	1253.7
115°	307.6	283.1	258.4	283.1	307.6	313.8	447.6	626.0	715.2	873.3	1189.5
117.5°	336.6	314.2	291.8	314.2	336.6	342.2	456.0	607.6	683.5	826.2	1111.6
120°	353.4	332.4	311.3	332.4	353.4	358.7	462.7	601.5	670.9	801.2	1061.9
122.5°	372.9	351.6	330.4	351.6	372.9	378.1	472.5	598.3	661.1	778.5	1013.2
125°	398.2	378.9	359.5	378.9	398.2	403.1	485.6	595.5	650.6	750.3	949.8
127.5°	422.3	402.8	383.2	402.8	422.3	427.2	498.7	594.0	641.7	727.3	898.5
130°	438.0	417.0	395.9	417.0	438.0	443.3	508.3	595.0	638.3	714.5	867.0
132.5°	451.1	430.1	409.0	430.1	451.1	456.4	516.0	595.5	635.3	703.5	840.0
135°	466.8	447.6	428.4	447.6	466.8	471.6	524.5	595.0	630.2	687.3	801.7
137.5°	486.3	467.3	448.4	467.3	486.3	491.0	537.1	598.6	629.4	677.7	774.3
140°	499.8	482.3	464.8	482.3	499.8	504.2	545.0	599.3	626.4	668.1	751.6
142.5°	509.9	493.8	477.6	493.8	509.9	513.9	551.4	601.4	626.4	663.0	736.4
145°	525.1	511.1	497.0	511.1	525.1	528.7	559.9	601.5	622.2	652.2	712.2
147.5°	543.9	530.1	516.4	530.1	543.9	547.3	572.3	605.5	622.2	645.8	693.0
150°	554.0	541.5	529.1	541.5	554.0	557.1	578.8	607.7	622.2	642.1	682.0
152.5°	561.1	551.7	542.2	551.7	561.1	563.4	583.0	609.1	622.2	639.2	673.2
155°	575.6	568.6	561.7	568.6	575.6	577.3	592.3	612.2	622.2	635.7	662.9
157.5°	589.6	582.9	576.1	582.9	589.6	591.4	601.6	615.4	622.2	632.7	653.8
160°	596.4	591.1	585.8	591.1	596.4	597.6	605.8	616.7	622.2	631.2	649.2
162.5°	603.5	599.5	595.5	599.5	603.5	604.5	610.4	618.3	622.2	629.8	645.0
165°	613.3	609.7	606.1	609.7	613.3	614.2	616.8	620.4	622.2	627.6	638.6
167.5°	619.2	617.6	615.8	617.6	619.2	619.6	621.9	624.9	626.4	629.9	637.1
170°	625.6	623.9	622.2	623.9	625.6	626.0	626.1	626.3	626.4	629.9	637.1
172.5°	626.3	625.9	625.6	625.9	626.3	626.4	626.4	626.4	626.4	629.2	634.8
175°	630.2	630.2	630.2	630.2	630.2	630.2	628.9	627.2	626.4	628.2	631.7
177.5°	630.2	630.2	630.2	630.2	630.2	630.2	629.2	627.9	627.3	628.7	631.6
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	933.4	930.6	934.3	924.2	934.3	930.6	933.4	939.7	934.3	937.9	941.7
5°	819.0	814.4	799.8	787.8	799.8	814.4	819.0	838.2	847.3	863.8	885.8
7.5°	732.1	728.4	724.7	717.4	724.7	728.4	732.1	737.5	746.7	761.4	777.8
10°	712.9	713.8	719.2	718.3	719.2	713.8	712.9	711.0	708.2	711.0	721.1
12.5°	762.3	770.5	800.7	798.8	800.7	770.5	762.3	725.6	701.0	696.3	698.2
15°	819.0	821.8	828.1	829.0	828.1	821.8	819.0	804.4	730.3	698.2	688.1
17.5°	824.5	825.4	830.0	830.0	830.0	825.4	824.5	818.0	793.4	750.4	693.6
20°	819.9	821.8	830.9	832.7	830.9	821.8	819.9	811.7	797.9	782.4	739.4
22.5°	818.0	821.8	829.0	828.1	829.0	821.8	818.0	805.3	793.4	782.4	765.0
25°	808.9	808.9	809.8	810.8	809.8	808.9	808.9	798.8	775.1	772.3	762.3
27.5°	789.7	791.6	797.0	796.1	797.0	791.6	789.7	786.0	760.5	757.7	750.4
30°	772.3	770.5	765.9	762.3	765.9	770.5	772.3	766.8	741.2	733.9	735.7
32.5°	743.1	738.4	733.9	731.2	733.9	738.4	743.1	741.2	722.0	712.0	713.8
35°	708.2	709.2	708.2	705.5	708.2	709.2	708.2	710.1	698.2	689.1	688.1
37.5°	683.6	685.4	684.5	680.8	684.5	685.4	683.6	681.8	665.2	662.5	664.3
40°	657.9	658.9	657.9	655.2	657.9	658.9	657.9	654.3	631.4	632.3	638.7
42.5°	633.2	632.3	629.6	627.7	629.6	632.3	633.2	627.7	598.5	595.7	607.6
45°	604.9	605.8	600.3	597.5	600.3	605.8	604.9	601.2	571.0	563.7	571.9
47.5°	576.5	576.5	571.9	569.2	571.9	576.5	576.5	571.9	539.9	532.6	537.1
50°	546.3	545.4	539.0	538.1	539.0	545.4	546.3	543.6	509.7	503.3	503.3
52.5°	511.5	511.5	512.4	514.3	512.4	511.5	511.5	512.4	482.3	475.8	474.0
55°	481.3	482.3	488.7	490.5	488.7	482.3	481.3	481.3	453.9	447.5	443.8
57.5°	450.2	450.2	454.8	454.8	454.8	450.2	450.2	448.4	421.9	416.3	414.5
60°	414.5	416.3	420.0	419.1	420.0	416.3	414.5	412.7	389.8	386.1	379.8
62.5°	377.0	378.9	379.8	378.0	379.8	378.9	377.0	371.5	357.8	355.0	346.8
65°	337.7	339.5	340.4	338.6	340.4	339.5	337.7	334.9	324.8	320.3	312.9
67.5°	297.4	296.5	295.5	299.3	295.5	296.5	297.4	293.7	287.4	283.7	273.6
70°	256.2	256.2	255.3	257.2	255.3	256.2	256.2	253.5	249.8	247.1	238.0
72.5°	212.3	211.4	215.0	212.3	215.0	211.4	212.3	211.4	209.6	206.9	197.7
75°	169.3	171.1	169.3	172.0	169.3	171.1	169.3	170.2	169.3	167.5	161.1
77.5°	129.0	130.9	129.0	129.0	129.0	130.9	129.0	129.9	129.9	129.9	124.4
80°	91.5	90.6	90.6	89.7	90.6	90.6	91.5	91.5	92.4	90.6	88.8
82.5°	58.6	57.7	57.7	59.5	57.7	57.7	58.6	59.5	57.7	57.7	57.7
85°	32.0	32.9	31.1	31.1	31.1	32.9	32.0	30.2	32.0	32.0	31.1
87.5°	11.9	11.0	11.0	11.0	11.0	11.0	11.9	12.8	12.8	12.8	13.7
90°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	21.5	28.6	32.1	27.6
92.5°	80.3	77.1	64.3	51.6	64.3	77.1	80.3	113.9	158.6	181.0	158.9
95°	272.8	263.2	224.4	185.7	224.4	263.2	272.8	358.2	472.2	529.1	446.9
97.5°	629.8	611.4	537.7	464.0	537.7	611.4	629.8	683.9	755.8	791.8	654.7
100°	884.4	862.5	774.6	686.9	774.6	862.5	884.4	880.5	875.3	872.6	720.4
102.5°	1101.8	1083.0	1007.9	932.7	1007.9	1083.0	1101.8	1033.1	941.3	895.4	741.1
105°	1355.6	1345.5	1305.1	1264.7	1305.1	1345.5	1355.6	1201.4	995.7	892.9	743.4
107.5°	1487.6	1490.1	1499.8	1509.5	1499.8	1490.1	1487.6	1272.5	985.6	842.1	710.3
110°	1521.5	1532.0	1574.0	1616.2	1574.0	1532.0	1521.5	1281.0	960.2	799.8	681.0



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1499.8	1516.0	1580.7	1645.4	1580.7	1516.0	1499.8	1253.7	925.5	761.4	655.4
115°	1426.7	1449.1	1538.7	1628.4	1538.7	1449.1	1426.7	1189.5	873.3	715.2	626.0
117.5°	1325.6	1350.4	1449.9	1549.3	1449.9	1350.4	1325.6	1111.6	826.2	683.5	607.6
120°	1257.5	1281.7	1378.3	1474.9	1378.3	1281.7	1257.5	1061.9	801.2	670.9	601.5
122.5°	1189.4	1213.2	1308.5	1403.8	1308.5	1213.2	1189.4	1013.2	778.5	661.1	598.3
125°	1099.3	1121.2	1209.1	1296.9	1209.1	1121.2	1099.3	949.8	750.3	650.6	595.5
127.5°	1027.0	1045.5	1119.6	1193.6	1119.6	1045.5	1027.0	898.5	727.3	641.7	594.0
130°	981.3	998.4	1066.8	1135.2	1066.8	998.4	981.3	867.0	714.5	638.3	595.0
132.5°	942.4	957.7	1019.0	1080.3	1019.0	957.7	942.4	840.0	703.5	635.3	595.5
135°	887.4	900.5	953.4	1006.2	953.4	900.5	887.4	801.7	687.3	630.2	595.0
137.5°	846.8	857.6	900.8	944.1	900.8	857.6	846.8	774.3	677.7	629.4	598.6
140°	814.2	824.3	864.8	905.2	864.8	824.3	814.2	751.6	668.1	626.4	599.3
142.5°	791.4	800.1	834.9	869.6	834.9	800.1	791.4	736.4	663.0	626.4	601.4
145°	757.1	763.6	790.0	816.3	790.0	763.6	757.1	712.2	652.2	622.2	601.5
147.5°	728.3	733.8	755.5	777.4	755.5	733.8	728.3	693.0	645.8	622.2	605.5
150°	711.9	716.3	734.0	751.6	734.0	716.3	711.9	682.0	642.1	622.2	607.7
152.5°	698.8	702.1	715.4	728.8	715.4	702.1	698.8	673.2	639.2	622.2	609.1
155°	683.1	685.3	694.1	703.0	694.1	685.3	683.1	662.9	635.7	622.2	612.2
157.5°	669.6	671.1	677.3	683.5	677.3	671.1	669.6	653.8	632.7	622.2	615.4
160°	662.8	663.7	667.2	670.9	667.2	663.7	662.8	649.2	631.2	622.2	616.7
162.5°	656.5	657.3	660.7	664.0	660.7	657.3	656.5	645.0	629.8	622.2	618.3
165°	646.8	647.7	651.2	654.8	651.2	647.7	646.8	638.6	627.6	622.2	620.4
167.5°	642.5	642.8	644.4	645.8	644.4	642.8	642.5	637.1	629.9	626.4	624.9
170°	642.5	642.5	642.5	642.5	642.5	642.5	642.5	637.1	629.9	626.4	626.3
172.5°	639.1	638.7	637.5	636.1	637.5	638.7	639.1	634.8	629.2	626.4	626.4
175°	634.5	634.5	634.5	634.5	634.5	634.5	634.5	631.7	628.2	626.4	627.2
177.5°	633.7	633.3	631.7	630.2	631.7	633.3	633.7	631.6	628.7	627.3	627.9
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	967.2	967.2	967.2	967.2	967.2
2.5°	955.3	959.9	962.7	966.3	975.5
5°	918.7	936.1	941.7	955.3	971.8
7.5°	838.2	891.3	905.9	938.8	964.5
10°	760.5	813.5	839.1	916.9	955.3
12.5°	721.1	752.2	769.6	878.4	942.6
15°	696.3	718.3	731.2	827.2	927.9
17.5°	677.1	692.7	701.9	776.9	907.7
20°	665.2	672.6	680.8	740.3	884.9
22.5°	657.0	652.5	658.9	714.7	853.8
25°	651.6	634.1	641.5	694.5	817.1
27.5°	656.1	617.6	620.5	676.2	778.7
30°	657.0	597.5	598.5	657.0	735.7
32.5°	650.7	576.5	577.4	633.2	687.2
35°	635.0	551.8	550.9	605.8	621.4
37.5°	614.0	525.2	525.2	575.6	549.1
40°	588.4	498.8	501.5	536.2	485.0
42.5°	557.2	470.4	474.0	484.1	437.4
45°	523.4	442.9	445.6	409.1	400.8
47.5°	485.9	414.5	415.4	339.5	388.9
50°	441.1	385.2	381.6	291.0	388.0
52.5°	401.7	353.2	342.2	263.5	352.3
55°	363.3	319.4	295.5	242.5	326.7
57.5°	329.5	275.4	252.6	217.8	321.2
60°	298.3	232.4	215.0	191.2	294.6
62.5°	272.7	200.4	196.8	172.9	267.2
65°	245.2	178.5	177.6	157.4	227.0
67.5°	218.7	163.8	162.9	142.7	172.9
70°	190.3	148.3	146.5	127.2	128.1
72.5°	161.1	130.9	129.0	114.3	106.2
75°	131.8	110.7	109.8	99.8	86.1
77.5°	103.4	87.9	89.7	80.5	63.1
80°	74.1	64.0	65.9	57.7	47.6
82.5°	49.4	42.1	43.9	36.6	32.0
85°	27.5	23.8	24.7	19.2	14.6
87.5°	12.8	11.0	11.0	7.3	4.5
90°	18.6	11.8	11.0	7.5	4.2
92.5°	114.7	81.6	74.4	45.7	16.9
95°	282.4	159.0	145.8	93.2	40.6
97.5°	380.4	174.7	163.0	116.6	70.2
100°	416.1	187.8	177.3	135.2	93.1
102.5°	432.4	200.9	191.1	151.8	112.5
105°	444.5	220.4	212.1	178.8	145.5
107.5°	446.8	249.1	241.4	210.4	179.4
110°	443.4	265.2	258.2	230.2	202.2



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	443.5	284.6	278.0	251.2	224.6
115°	447.6	313.8	307.6	283.1	258.4
117.5°	456.0	342.2	336.6	314.2	291.8
120°	462.7	358.7	353.4	332.4	311.3
122.5°	472.5	378.1	372.9	351.6	330.4
125°	485.6	403.1	398.2	378.9	359.5
127.5°	498.7	427.2	422.3	402.8	383.2
130°	508.3	443.3	438.0	417.0	395.9
132.5°	516.0	456.4	451.1	430.1	409.0
135°	524.5	471.6	466.8	447.6	428.4
137.5°	537.1	491.0	486.3	467.3	448.4
140°	545.0	504.2	499.8	482.3	464.8
142.5°	551.4	513.9	509.9	493.8	477.6
145°	559.9	528.7	525.1	511.1	497.0
147.5°	572.3	547.3	543.9	530.1	516.4
150°	578.8	557.1	554.0	541.5	529.1
152.5°	583.0	563.4	561.1	551.7	542.2
155°	592.3	577.3	575.6	568.6	561.7
157.5°	601.6	591.4	589.6	582.9	576.1
160°	605.8	597.6	596.4	591.1	585.8
162.5°	610.4	604.5	603.5	599.5	595.5
165°	616.8	614.2	613.3	609.7	606.1
167.5°	621.9	619.6	619.2	617.6	615.8
170°	626.1	626.0	625.6	623.9	622.2
172.5°	626.4	626.4	626.3	625.9	625.6
175°	628.9	630.2	630.2	630.2	630.2
177.5°	629.2	630.2	630.2	630.2	630.2
180°	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934640

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-4000K

**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	9.80	10.57	10.85	11.62	13.05	12.63	13.39	13.68	14.45	15.88
	3H	10.27	10.95	11.33	12.02	13.47	13.96	14.65	15.03	15.71	17.16
	4H	10.46	11.11	11.53	12.17	13.63	14.40	15.05	15.48	16.12	17.57
	6H	10.57	11.17	11.66	12.24	13.71	14.68	15.28	15.76	16.35	17.82
	8H	10.57	11.14	11.66	12.22	13.69	14.75	15.32	15.84	16.40	17.87
	12H	10.54	11.08	11.63	12.16	13.65	14.78	15.32	15.88	16.40	17.89
4H	2H	10.82	11.47	11.90	12.54	13.99	13.02	13.67	14.10	14.74	16.20
	3H	11.84	12.38	12.93	13.47	14.94	14.52	15.06	15.61	16.15	17.62
	4H	12.11	12.61	13.20	13.69	15.18	15.04	15.54	16.13	16.62	18.11
	6H	12.23	12.66	13.33	13.76	15.25	15.40	15.82	16.50	16.93	18.42
	8H	12.23	12.63	13.34	13.73	15.23	15.50	15.90	16.60	17.00	18.50
	12H	12.20	12.56	13.32	13.67	15.17	15.55	15.91	16.67	17.03	18.53
8H	4H	12.56	12.95	13.66	14.05	15.55	15.16	15.55	16.26	16.66	18.16
	6H	12.81	13.14	13.94	14.28	15.78	15.59	15.92	16.71	17.06	18.56
	8H	12.85	13.14	13.99	14.27	15.78	15.74	16.03	16.87	17.15	18.67
	12H	12.83	13.09	13.97	14.21	15.76	15.83	16.08	16.97	17.20	18.76
12H	4H	12.56	12.92	13.68	14.03	15.54	15.12	15.48	16.24	16.59	18.10
	6H	12.87	13.16	14.00	14.28	15.80	15.58	15.87	16.72	17.00	18.51
	8H	12.93	13.19	14.07	14.31	15.86	15.74	15.99	16.88	17.11	18.67