

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: P934240

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934240
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

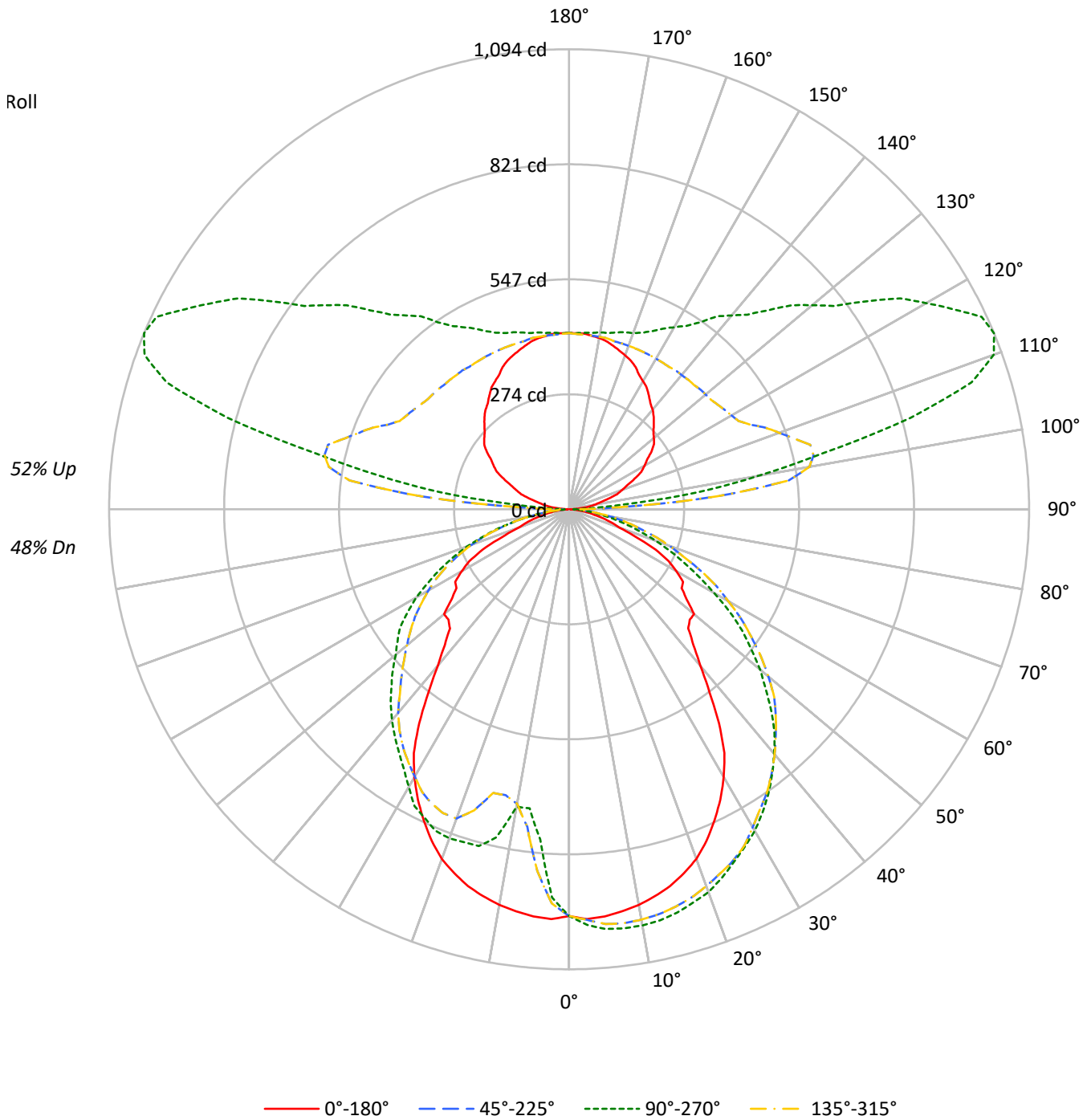
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5225.9 lumens
Efficiency: N/A
Efficacy: 122.7 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 (A_{in}): 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

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

Luminous Intensity Polar Plot





TEST NUMBER: P934240

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.7
10°-20°	247.9	4.7
20°-30°	383.2	7.3
30°-40°	457.5	8.8
40°-50°	460.1	8.8
50°-60°	400.4	7.7
60°-70°	283.9	5.4
70°-80°	150.2	2.9
80°-90°	39.0	0.7
90°-100°	204.3	3.9
100°-110°	537.0	10.3
110°-120°	556.8	10.7
120°-130°	446.6	8.5
130°-140°	350.4	6.7
140°-150°	269.0	5.1
150°-160°	193.7	3.7
160°-170°	118.5	2.3
170°-180°	40.0	0.8
0°-30°	718.4	13.7
0°-40°	1175.9	22.5
0°-60°	2036.4	39.0
0°-90°	2509.5	48.0
90°-120°	1298.1	24.8
90°-150°	2364.1	45.2
90°-180°	2716.0	52.0
0°-180°	5225.9	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°	3	11	3	11	3	3
95°	27	123	27	123	27	30
105°	97	841	97	841	97	103
115°	172	1083	172	1083	172	170
125°	239	862	239	862	239	212
135°	285	669	285	669	285	220
145°	330	543	330	543	330	207
155°	374	467	374	467	374	172
165°	403	435	403	435	403	114
175°	419	422	419	422	419	40
180°	419	419	419	419	419	



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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°	2.8	5.1	7.4	7.9	12.4	18.4	21.4	19.0	14.2	10.6	10.6
92.5°	11.3	30.4	49.5	54.3	76.3	105.7	120.3	105.4	75.7	53.4	51.3
95°	27.0	61.9	97.0	105.7	187.7	297.2	351.8	314.0	238.2	181.4	174.9
97.5°	46.7	77.6	108.4	116.2	253.0	435.4	526.5	502.6	454.6	418.7	406.4
100°	61.9	89.9	117.9	124.9	276.6	479.0	580.2	581.9	585.4	588.1	573.5
102.5°	74.8	101.0	127.1	133.6	287.5	492.8	595.4	625.8	686.9	732.6	720.2
105°	96.8	118.9	141.0	146.5	295.5	494.3	593.6	662.0	798.8	901.4	894.6
107.5°	119.3	139.9	160.5	165.6	297.1	472.3	559.9	655.2	846.0	989.0	990.7
110°	134.4	153.0	171.6	176.3	294.8	452.8	531.8	638.4	851.7	1011.6	1018.6



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	149.4	167.1	184.8	189.3	294.9	435.8	506.2	615.4	833.6	997.2	1008.0
115°	171.8	188.2	204.6	208.7	297.6	416.2	475.6	580.7	790.9	948.6	963.5
117.5°	194.0	208.9	223.8	227.5	303.2	404.1	454.5	549.3	739.1	881.3	897.9
120°	206.9	221.0	235.0	238.5	307.6	399.9	446.0	532.7	706.1	836.0	852.1
122.5°	219.7	233.8	247.9	251.4	314.1	397.7	439.5	517.6	673.8	790.8	806.7
125°	239.1	251.9	264.8	268.0	322.8	396.0	432.5	498.8	631.5	730.9	745.4
127.5°	254.8	267.8	280.8	284.1	331.6	395.0	426.6	483.6	597.4	682.8	695.1
130°	263.2	277.3	291.3	294.7	337.9	395.5	424.3	475.0	576.4	652.5	663.9
132.5°	272.0	286.0	300.0	303.5	343.1	396.0	422.4	467.8	558.5	626.6	636.7
135°	284.9	297.6	310.4	313.6	348.8	395.6	419.1	457.1	533.0	590.0	598.8
137.5°	298.1	310.7	323.3	326.5	357.1	398.0	418.4	450.5	514.8	563.0	570.2
140°	309.1	320.7	332.3	335.2	362.3	398.4	416.5	444.3	499.8	541.3	548.1
142.5°	317.5	328.2	338.9	341.7	366.6	399.9	416.5	440.9	489.6	526.1	532.0
145°	330.5	339.8	349.2	351.6	372.3	399.9	413.7	433.6	473.5	503.4	507.8
147.5°	343.4	352.5	361.7	363.9	380.5	402.6	413.7	429.3	460.7	484.3	487.9
150°	351.8	360.1	368.3	370.4	384.9	404.1	413.7	427.0	453.5	473.3	476.2
152.5°	360.5	366.8	373.0	374.6	387.6	405.0	413.7	425.0	447.6	464.6	466.7
155°	373.5	378.1	382.7	383.9	393.8	407.1	413.7	422.7	440.7	454.2	455.6
157.5°	383.0	387.5	392.1	393.1	400.0	409.2	413.7	420.7	434.7	445.2	446.2
160°	389.5	393.0	396.4	397.3	402.8	410.1	413.7	419.7	431.7	440.7	441.3
162.5°	396.0	398.6	401.2	401.9	405.8	411.1	413.7	418.8	428.9	436.4	437.0
165°	403.0	405.3	407.7	408.3	410.2	412.5	413.7	417.3	424.5	430.0	430.6
167.5°	409.4	410.5	411.7	412.0	413.5	415.5	416.5	418.9	423.6	427.2	427.4
170°	413.7	414.8	416.0	416.2	416.3	416.4	416.5	418.9	423.6	427.2	427.2
172.5°	416.0	416.2	416.4	416.5	416.5	416.5	416.5	418.3	422.1	424.9	424.7
175°	419.1	419.1	419.1	419.1	418.3	417.1	416.5	417.7	420.1	421.8	421.8
177.5°	419.1	419.1	419.1	419.1	418.4	417.5	417.1	418.0	419.9	421.3	421.0
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



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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°	10.6	10.6	10.6	10.6	10.6	14.2	19.0	21.4	18.4	12.4	7.9
92.5°	42.8	34.3	42.8	51.3	53.4	75.7	105.4	120.3	105.7	76.3	54.3
95°	149.2	123.4	149.2	174.9	181.4	238.2	314.0	351.8	297.2	187.7	105.7
97.5°	357.5	308.5	357.5	406.4	418.7	454.6	502.6	526.5	435.4	253.0	116.2
100°	515.1	456.7	515.1	573.5	588.1	585.4	581.9	580.2	479.0	276.6	124.9
102.5°	670.1	620.1	670.1	720.2	732.6	686.9	625.8	595.4	492.8	287.5	133.6
105°	867.8	840.9	867.8	894.6	901.4	798.8	662.0	593.6	494.3	295.5	146.5
107.5°	997.1	1003.7	997.1	990.7	989.0	846.0	655.2	559.9	472.3	297.1	165.6
110°	1046.5	1074.6	1046.5	1018.6	1011.6	851.7	638.4	531.8	452.8	294.8	176.3



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	1051.0	1093.9	1051.0	1008.0	997.2	833.6	615.4	506.2	435.8	294.9	189.3
115°	1023.1	1082.7	1023.1	963.5	948.6	790.9	580.7	475.6	416.2	297.6	208.7
117.5°	964.0	1030.2	964.0	897.9	881.3	739.1	549.3	454.5	404.1	303.2	227.5
120°	916.4	980.7	916.4	852.1	836.0	706.1	532.7	446.0	399.9	307.6	238.5
122.5°	870.1	933.4	870.1	806.7	790.8	673.8	517.6	439.5	397.7	314.1	251.4
125°	803.8	862.2	803.8	745.4	730.9	631.5	498.8	432.5	396.0	322.8	268.0
127.5°	744.4	793.7	744.4	695.1	682.8	597.4	483.6	426.6	395.0	331.6	284.1
130°	709.3	754.8	709.3	663.9	652.5	576.4	475.0	424.3	395.5	337.9	294.7
132.5°	677.5	718.2	677.5	636.7	626.6	558.5	467.8	422.4	396.0	343.1	303.5
135°	633.9	669.0	633.9	598.8	590.0	533.0	457.1	419.1	395.6	348.8	313.6
137.5°	599.0	627.7	599.0	570.2	563.0	514.8	450.5	418.4	398.0	357.1	326.5
140°	574.9	601.8	574.9	548.1	541.3	499.8	444.3	416.5	398.4	362.3	335.2
142.5°	555.1	578.2	555.1	532.0	526.1	489.6	440.9	416.5	399.9	366.6	341.7
145°	525.3	542.8	525.3	507.8	503.4	473.5	433.6	413.7	399.9	372.3	351.6
147.5°	502.4	516.9	502.4	487.9	484.3	460.7	429.3	413.7	402.6	380.5	363.9
150°	488.0	499.8	488.0	476.2	473.3	453.5	427.0	413.7	404.1	384.9	370.4
152.5°	475.6	484.6	475.6	466.7	464.6	447.6	425.0	413.7	405.0	387.6	374.6
155°	461.5	467.4	461.5	455.6	454.2	440.7	422.7	413.7	407.1	393.8	383.9
157.5°	450.4	454.5	450.4	446.2	445.2	434.7	420.7	413.7	409.2	400.0	393.1
160°	443.6	446.0	443.6	441.3	440.7	431.7	419.7	413.7	410.1	402.8	397.3
162.5°	439.3	441.5	439.3	437.0	436.4	428.9	418.8	413.7	411.1	405.8	401.9
165°	433.0	435.4	433.0	430.6	430.0	424.5	417.3	413.7	412.5	410.2	408.3
167.5°	428.4	429.4	428.4	427.4	427.2	423.6	418.9	416.5	415.5	413.5	412.0
170°	427.2	427.2	427.2	427.2	427.2	423.6	418.9	416.5	416.4	416.3	416.2
172.5°	423.8	423.0	423.8	424.7	424.9	422.1	418.3	416.5	416.5	416.5	416.5
175°	421.8	421.8	421.8	421.8	421.8	420.1	417.7	416.5	417.1	418.3	419.1
177.5°	420.1	419.1	420.1	421.0	421.3	419.9	418.0	417.1	417.5	418.4	419.1
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	7.4	5.1	2.8	5.1	7.4	7.9	12.4	18.4	21.4	19.0	14.2
92.5°	49.5	30.4	11.3	30.4	49.5	54.3	76.3	105.7	120.3	105.4	75.7
95°	97.0	61.9	27.0	61.9	97.0	105.7	187.7	297.2	351.8	314.0	238.2
97.5°	108.4	77.6	46.7	77.6	108.4	116.2	253.0	435.4	526.5	502.6	454.6
100°	117.9	89.9	61.9	89.9	117.9	124.9	276.6	479.0	580.2	581.9	585.4
102.5°	127.1	101.0	74.8	101.0	127.1	133.6	287.5	492.8	595.4	625.8	686.9
105°	141.0	118.9	96.8	118.9	141.0	146.5	295.5	494.3	593.6	662.0	798.8
107.5°	160.5	139.9	119.3	139.9	160.5	165.6	297.1	472.3	559.9	655.2	846.0
110°	171.6	153.0	134.4	153.0	171.6	176.3	294.8	452.8	531.8	638.4	851.7



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	184.8	167.1	149.4	167.1	184.8	189.3	294.9	435.8	506.2	615.4	833.6
115°	204.6	188.2	171.8	188.2	204.6	208.7	297.6	416.2	475.6	580.7	790.9
117.5°	223.8	208.9	194.0	208.9	223.8	227.5	303.2	404.1	454.5	549.3	739.1
120°	235.0	221.0	206.9	221.0	235.0	238.5	307.6	399.9	446.0	532.7	706.1
122.5°	247.9	233.8	219.7	233.8	247.9	251.4	314.1	397.7	439.5	517.6	673.8
125°	264.8	251.9	239.1	251.9	264.8	268.0	322.8	396.0	432.5	498.8	631.5
127.5°	280.8	267.8	254.8	267.8	280.8	284.1	331.6	395.0	426.6	483.6	597.4
130°	291.3	277.3	263.2	277.3	291.3	294.7	337.9	395.5	424.3	475.0	576.4
132.5°	300.0	286.0	272.0	286.0	300.0	303.5	343.1	396.0	422.4	467.8	558.5
135°	310.4	297.6	284.9	297.6	310.4	313.6	348.8	395.6	419.1	457.1	533.0
137.5°	323.3	310.7	298.1	310.7	323.3	326.5	357.1	398.0	418.4	450.5	514.8
140°	332.3	320.7	309.1	320.7	332.3	335.2	362.3	398.4	416.5	444.3	499.8
142.5°	338.9	328.2	317.5	328.2	338.9	341.7	366.6	399.9	416.5	440.9	489.6
145°	349.2	339.8	330.5	339.8	349.2	351.6	372.3	399.9	413.7	433.6	473.5
147.5°	361.7	352.5	343.4	352.5	361.7	363.9	380.5	402.6	413.7	429.3	460.7
150°	368.3	360.1	351.8	360.1	368.3	370.4	384.9	404.1	413.7	427.0	453.5
152.5°	373.0	366.8	360.5	366.8	373.0	374.6	387.6	405.0	413.7	425.0	447.6
155°	382.7	378.1	373.5	378.1	382.7	383.9	393.8	407.1	413.7	422.7	440.7
157.5°	392.1	387.5	383.0	387.5	392.1	393.1	400.0	409.2	413.7	420.7	434.7
160°	396.4	393.0	389.5	393.0	396.4	397.3	402.8	410.1	413.7	419.7	431.7
162.5°	401.2	398.6	396.0	398.6	401.2	401.9	405.8	411.1	413.7	418.8	428.9
165°	407.7	405.3	403.0	405.3	407.7	408.3	410.2	412.5	413.7	417.3	424.5
167.5°	411.7	410.5	409.4	410.5	411.7	412.0	413.5	415.5	416.5	418.9	423.6
170°	416.0	414.8	413.7	414.8	416.0	416.2	416.3	416.4	416.5	418.9	423.6
172.5°	416.4	416.2	416.0	416.2	416.4	416.5	416.5	416.5	416.5	418.3	422.1
175°	419.1	419.1	419.1	419.1	419.1	419.1	418.3	417.1	416.5	417.7	420.1
177.5°	419.1	419.1	419.1	419.1	419.1	419.1	418.4	417.5	417.1	418.0	419.9
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.2	19.0	21.4	18.4
92.5°	53.4	51.3	42.8	34.3	42.8	51.3	53.4	75.7	105.4	120.3	105.7
95°	181.4	174.9	149.2	123.4	149.2	174.9	181.4	238.2	314.0	351.8	297.2
97.5°	418.7	406.4	357.5	308.5	357.5	406.4	418.7	454.6	502.6	526.5	435.4
100°	588.1	573.5	515.1	456.7	515.1	573.5	588.1	585.4	581.9	580.2	479.0
102.5°	732.6	720.2	670.1	620.1	670.1	720.2	732.6	686.9	625.8	595.4	492.8
105°	901.4	894.6	867.8	840.9	867.8	894.6	901.4	798.8	662.0	593.6	494.3
107.5°	989.0	990.7	997.1	1003.7	997.1	990.7	989.0	846.0	655.2	559.9	472.3
110°	1011.6	1018.6	1046.5	1074.6	1046.5	1018.6	1011.6	851.7	638.4	531.8	452.8



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	997.2	1008.0	1051.0	1093.9	1051.0	1008.0	997.2	833.6	615.4	506.2	435.8
115°	948.6	963.5	1023.1	1082.7	1023.1	963.5	948.6	790.9	580.7	475.6	416.2
117.5°	881.3	897.9	964.0	1030.2	964.0	897.9	881.3	739.1	549.3	454.5	404.1
120°	836.0	852.1	916.4	980.7	916.4	852.1	836.0	706.1	532.7	446.0	399.9
122.5°	790.8	806.7	870.1	933.4	870.1	806.7	790.8	673.8	517.6	439.5	397.7
125°	730.9	745.4	803.8	862.2	803.8	745.4	730.9	631.5	498.8	432.5	396.0
127.5°	682.8	695.1	744.4	793.7	744.4	695.1	682.8	597.4	483.6	426.6	395.0
130°	652.5	663.9	709.3	754.8	709.3	663.9	652.5	576.4	475.0	424.3	395.5
132.5°	626.6	636.7	677.5	718.2	677.5	636.7	626.6	558.5	467.8	422.4	396.0
135°	590.0	598.8	633.9	669.0	633.9	598.8	590.0	533.0	457.1	419.1	395.6
137.5°	563.0	570.2	599.0	627.7	599.0	570.2	563.0	514.8	450.5	418.4	398.0
140°	541.3	548.1	574.9	601.8	574.9	548.1	541.3	499.8	444.3	416.5	398.4
142.5°	526.1	532.0	555.1	578.2	555.1	532.0	526.1	489.6	440.9	416.5	399.9
145°	503.4	507.8	525.3	542.8	525.3	507.8	503.4	473.5	433.6	413.7	399.9
147.5°	484.3	487.9	502.4	516.9	502.4	487.9	484.3	460.7	429.3	413.7	402.6
150°	473.3	476.2	488.0	499.8	488.0	476.2	473.3	453.5	427.0	413.7	404.1
152.5°	464.6	466.7	475.6	484.6	475.6	466.7	464.6	447.6	425.0	413.7	405.0
155°	454.2	455.6	461.5	467.4	461.5	455.6	454.2	440.7	422.7	413.7	407.1
157.5°	445.2	446.2	450.4	454.5	450.4	446.2	445.2	434.7	420.7	413.7	409.2
160°	440.7	441.3	443.6	446.0	443.6	441.3	440.7	431.7	419.7	413.7	410.1
162.5°	436.4	437.0	439.3	441.5	439.3	437.0	436.4	428.9	418.8	413.7	411.1
165°	430.0	430.6	433.0	435.4	433.0	430.6	430.0	424.5	417.3	413.7	412.5
167.5°	427.2	427.4	428.4	429.4	428.4	427.4	427.2	423.6	418.9	416.5	415.5
170°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	423.6	418.9	416.5	416.4
172.5°	424.9	424.7	423.8	423.0	423.8	424.7	424.9	422.1	418.3	416.5	416.5
175°	421.8	421.8	421.8	421.8	421.8	421.8	421.8	420.1	417.7	416.5	417.1
177.5°	421.3	421.0	420.1	419.1	420.1	421.0	421.3	419.9	418.0	417.1	417.5
180°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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°	12.4	7.9	7.4	5.1	2.8
92.5°	76.3	54.3	49.5	30.4	11.3
95°	187.7	105.7	97.0	61.9	27.0
97.5°	253.0	116.2	108.4	77.6	46.7
100°	276.6	124.9	117.9	89.9	61.9
102.5°	287.5	133.6	127.1	101.0	74.8
105°	295.5	146.5	141.0	118.9	96.8
107.5°	297.1	165.6	160.5	139.9	119.3
110°	294.8	176.3	171.6	153.0	134.4



TEST NUMBER: P934240

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	294.9	189.3	184.8	167.1	149.4
115°	297.6	208.7	204.6	188.2	171.8
117.5°	303.2	227.5	223.8	208.9	194.0
120°	307.6	238.5	235.0	221.0	206.9
122.5°	314.1	251.4	247.9	233.8	219.7
125°	322.8	268.0	264.8	251.9	239.1
127.5°	331.6	284.1	280.8	267.8	254.8
130°	337.9	294.7	291.3	277.3	263.2
132.5°	343.1	303.5	300.0	286.0	272.0
135°	348.8	313.6	310.4	297.6	284.9
137.5°	357.1	326.5	323.3	310.7	298.1
140°	362.3	335.2	332.3	320.7	309.1
142.5°	366.6	341.7	338.9	328.2	317.5
145°	372.3	351.6	349.2	339.8	330.5
147.5°	380.5	363.9	361.7	352.5	343.4
150°	384.9	370.4	368.3	360.1	351.8
152.5°	387.6	374.6	373.0	366.8	360.5
155°	393.8	383.9	382.7	378.1	373.5
157.5°	400.0	393.1	392.1	387.5	383.0
160°	402.8	397.3	396.4	393.0	389.5
162.5°	405.8	401.9	401.2	398.6	396.0
165°	410.2	408.3	407.7	405.3	403.0
167.5°	413.5	412.0	411.7	410.5	409.4
170°	416.3	416.2	416.0	414.8	413.7
172.5°	416.5	416.5	416.4	416.2	416.0
175°	418.3	419.1	419.1	419.1	419.1
177.5°	418.4	419.1	419.1	419.1	419.1
180°	419.1	419.1	419.1	419.1	419.1



TEST NUMBER: P934240

CATALOG NUMBER: SQ4-FA-050U-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	10.83	11.68	11.81	12.66	13.96	13.66	14.50	14.63	15.49	16.79
	3H	11.31	12.06	12.29	13.06	14.38	15.00	15.75	15.98	16.75	18.07
	4H	11.50	12.21	12.50	13.21	14.54	15.44	16.16	16.44	17.16	18.49
	6H	11.62	12.27	12.62	13.28	14.62	15.72	16.38	16.73	17.39	18.73
	8H	11.62	12.24	12.63	13.27	14.60	15.80	16.42	16.81	17.45	18.78
	12H	11.59	12.18	12.61	13.20	14.56	15.83	16.43	16.85	17.45	18.81
4H	2H	11.86	12.58	12.87	13.58	14.91	14.06	14.78	15.07	15.78	17.11
	3H	12.89	13.48	13.90	14.51	15.85	15.57	16.16	16.58	17.19	18.53
	4H	13.16	13.71	14.18	14.73	16.09	16.09	16.64	17.11	17.66	19.03
	6H	13.29	13.76	14.32	14.80	16.16	16.45	16.92	17.49	17.97	19.33
	8H	13.29	13.73	14.32	14.77	16.14	16.56	17.00	17.59	18.04	19.41
	12H	13.26	13.65	14.31	14.71	16.09	16.62	17.01	17.67	18.06	19.45
8H	4H	13.61	14.05	14.65	15.09	16.47	16.22	16.65	17.25	17.69	19.07
	6H	13.87	14.24	14.93	15.32	16.69	16.65	17.01	17.71	18.09	19.47
	8H	13.92	14.24	14.98	15.30	16.69	16.80	17.12	17.87	18.18	19.58
	12H	13.90	14.18	14.97	15.24	16.68	16.90	17.18	17.97	18.24	19.67
12H	4H	13.62	14.01	14.67	15.07	16.45	16.18	16.58	17.23	17.63	19.01
	6H	13.93	14.25	15.00	15.32	16.71	16.65	16.97	17.71	18.03	19.42
	8H	14.00	14.28	15.07	15.34	16.78	16.81	17.09	17.88	18.15	19.58