

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: P935532

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935532
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

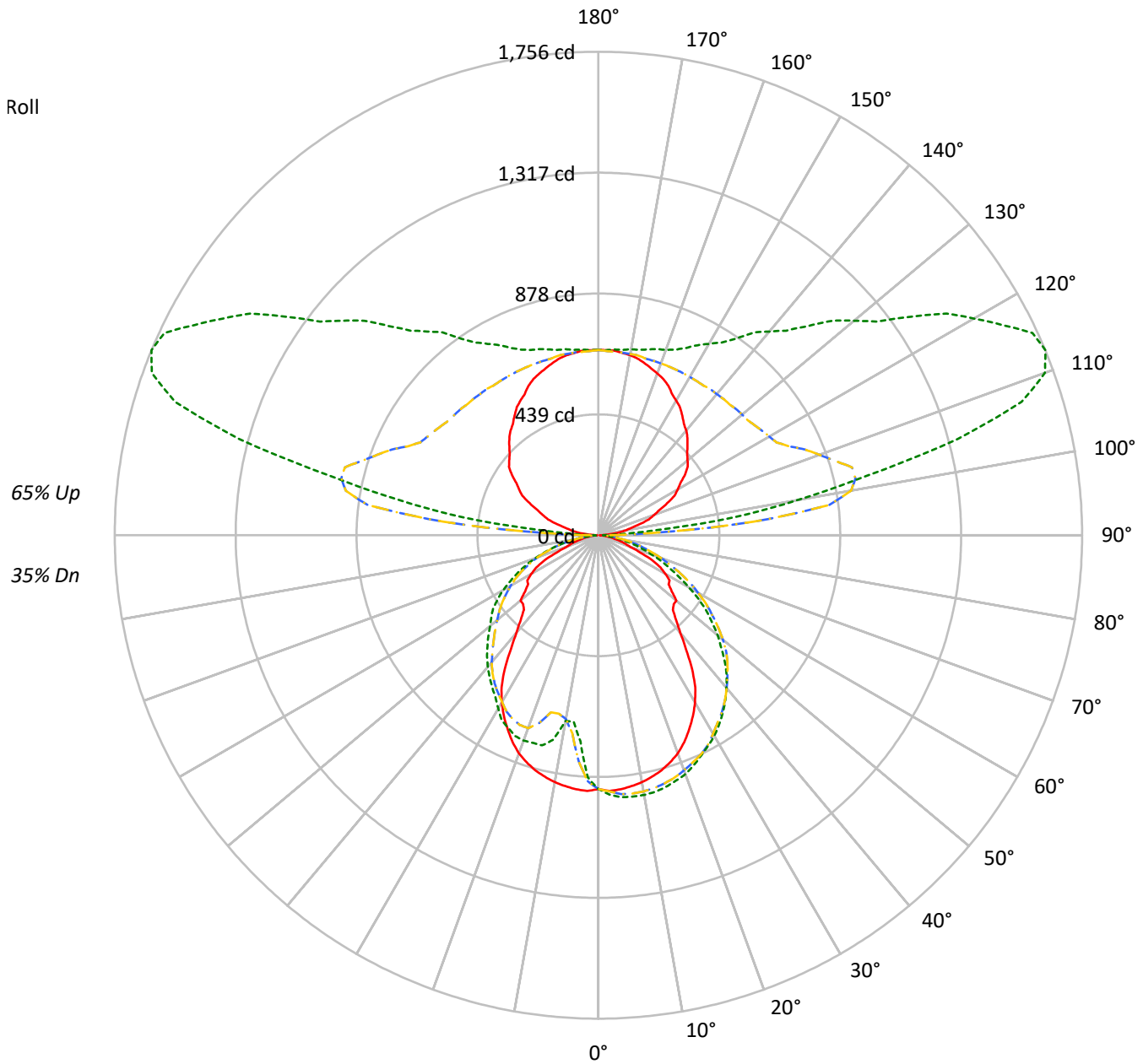
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6753.9 lumens
Efficiency: N/A
Efficacy: 121.5 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: Semi-Indirect

Input Watts (W): 55.6
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

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Luminous Intensity Polar Plot



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



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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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8554	8554	8554	8554
5°	8608	8636	8608	6790
10°	8541	8507	8541	6081
15°	8439	8322	8439	6949
20°	8252	8103	8252	6963
25°	7882	7785	7882	6815
30°	7406	7520	7406	6492
35°	6593	7186	6593	6135
40°	5485	6792	5485	5867
45°	4891	6332	4891	5557
50°	5184	5783	5184	5247
55°	4864	5190	4864	5068
60°	4995	4408	4995	4642
65°	4508	3643	4508	4073
70°	3100	2903	3100	3413
75°	2689	2146	2689	2569
80°	2120	1419	2120	1546
85°	1159	752	1159	638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7510 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.2
10°-20°	236.3	3.5
20°-30°	365.2	5.4
30°-40°	436.0	6.5
40°-50°	438.6	6.5
50°-60°	381.6	5.7
60°-70°	270.6	4.0
70°-80°	143.1	2.1
80°-90°	38.2	0.6
90°-100°	327.9	4.9
100°-110°	862.1	12.8
110°-120°	893.9	13.2
120°-130°	717.0	10.6
130°-140°	562.6	8.3
140°-150°	431.8	6.4
150°-160°	311.0	4.6
160°-170°	190.3	2.8
170°-180°	64.3	1.0
0°-30°	684.7	10.1
0°-40°	1120.7	16.6
0°-60°	1940.9	28.7
0°-90°	2392.8	35.4
90°-120°	2084.0	30.9
90°-150°	3795.5	56.2
90°-180°	4361.0	64.6
0°-180°	6753.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	922	922	922	922	922	
5°	926	955	926	751	926	88
15°	884	946	884	790	884	249
25°	779	883	779	773	779	358
35°	592	788	592	672	592	366
45°	382	649	382	570	382	306
55°	311	479	311	468	311	286
65°	216	289	216	323	216	207
75°	82	137	82	164	82	86
85°	14	35	14	30	14	19
90°	4	17	4	17	4	4
95°	43	198	43	198	43	48
105°	155	1350	155	1350	155	165
115°	276	1738	276	1738	276	272
125°	384	1384	384	1384	384	341
135°	457	1074	457	1074	457	354
145°	530	871	530	871	530	332
155°	600	750	600	750	600	276
165°	647	699	647	699	647	183
175°	673	677	673	677	673	64
180°	673	673	673	673	673	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	929.7	929.7	935.0	936.7	936.7	934.1	931.5	934.1	942.0	944.6	943.7
5°	926.2	933.3	942.8	944.6	946.3	945.5	943.7	945.5	954.2	955.9	956.8
7.5°	919.2	932.4	944.6	947.2	949.8	947.2	946.3	948.1	956.8	958.5	958.5
10°	910.5	928.8	942.8	944.6	947.2	944.6	944.6	948.1	956.8	958.5	959.4
12.5°	898.3	923.6	936.7	938.5	942.0	941.1	940.2	943.7	952.4	954.2	954.2
15°	884.3	914.0	926.2	927.9	934.1	932.4	932.4	935.9	945.5	948.1	947.2
17.5°	865.1	901.8	915.7	918.3	922.7	921.8	922.7	926.2	935.0	936.7	937.6
20°	843.3	885.2	901.8	904.4	908.7	908.7	908.7	913.1	921.8	925.3	925.3
22.5°	813.7	867.8	885.2	886.9	892.2	892.2	893.9	900.0	907.9	908.7	908.7
25°	778.8	848.6	863.4	868.6	873.9	876.5	879.1	882.6	885.2	884.3	885.2
27.5°	742.2	824.2	843.3	846.8	853.8	856.4	859.9	860.8	861.7	864.3	862.5
30°	701.2	790.2	818.9	822.4	833.8	835.5	832.0	833.8	838.1	839.9	841.6
32.5°	655.0	739.6	793.6	801.5	812.0	806.7	805.8	808.5	815.4	815.4	817.2
35°	592.2	700.3	770.1	777.1	784.9	778.8	782.3	783.2	787.5	790.2	789.3
37.5°	523.3	666.3	745.7	750.9	757.0	749.2	754.4	757.0	760.5	758.8	758.8
40°	462.3	613.1	716.9	720.4	725.6	719.5	724.7	726.5	728.2	726.5	725.6
42.5°	416.9	554.7	686.4	690.7	687.2	691.6	693.4	696.8	694.2	690.7	690.7
45°	382.0	539.0	653.2	658.5	653.2	660.2	662.8	662.8	655.0	653.2	652.4
47.5°	370.7	507.6	620.1	620.1	617.5	626.2	630.6	624.5	616.6	614.0	614.0
50°	369.8	472.7	574.8	571.3	583.5	593.9	589.6	583.5	577.4	567.8	567.8
52.5°	335.8	430.0	516.3	529.4	548.6	554.7	547.7	541.6	531.2	526.8	523.3
55°	311.4	385.5	463.1	489.3	509.4	517.2	504.1	498.0	482.3	479.7	478.0
57.5°	306.1	321.0	414.3	447.4	471.9	471.0	463.1	451.8	438.7	436.1	435.2
60°	280.8	232.0	362.0	401.2	426.5	423.9	416.9	406.5	394.2	392.5	390.8
62.5°	254.6	168.3	302.6	347.2	382.9	382.0	375.9	360.2	351.5	347.2	343.7
65°	216.3	141.3	215.4	288.6	340.2	341.9	328.8	317.5	307.8	302.6	301.7
67.5°	164.8	115.1	145.6	240.7	299.1	297.4	280.8	275.6	263.4	260.7	255.5
70°	122.1	76.7	101.2	195.3	259.0	254.6	241.6	235.4	224.1	218.0	214.5
72.5°	101.2	61.9	74.1	151.7	218.0	212.8	201.4	194.5	184.9	179.6	176.2
75°	82.0	65.4	56.7	112.5	177.0	173.5	163.1	156.1	148.2	141.3	142.1
77.5°	60.2	61.0	45.3	82.8	140.4	135.2	129.1	120.3	116.9	109.9	109.9
80°	45.3	48.0	34.0	56.7	101.2	101.2	95.9	89.8	83.7	80.2	80.2
82.5°	30.5	30.5	25.3	35.8	68.9	66.3	62.8	61.0	57.6	55.8	55.8
85°	14.0	17.4	15.7	21.8	37.5	39.2	39.2	37.5	36.6	34.9	35.8
87.5°	4.4	7.8	9.6	12.2	19.2	20.1	20.9	20.9	20.9	21.8	21.8
90°	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8	17.2	17.2
92.5°	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6	85.8	82.4
95°	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5	291.3	280.9
97.5°	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9	672.3	652.6
100°	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9	944.1	920.6
102.5°	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8	1176.2	1156.1
105°	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4	1447.1	1436.2
107.5°	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3	1587.9	1590.5
110°	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3	1624.1	1635.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3	1601.1	1618.3
115°	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8	1522.9	1546.8
117.5°	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5	1415.0	1441.5
120°	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6	1342.3	1368.1
122.5°	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7	1269.6	1295.1
125°	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7	1173.4	1196.9
127.5°	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2	1096.2	1116.0
130°	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4	1047.5	1065.7
132.5°	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7	1006.0	1022.3
135°	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8	947.3	961.4
137.5°	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5	903.9	915.4
140°	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4	869.2	880.0
142.5°	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1	844.7	854.0
145°	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2	808.2	815.3
147.5°	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7	777.5	783.3
150°	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0	759.9	764.6
152.5°	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6	745.9	749.4
155°	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5	729.2	731.5
157.5°	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9	714.7	716.4
160°	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0	707.5	708.4
162.5°	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6	700.8	701.6
165°	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6	690.3	691.3
167.5°	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1	685.9	686.3
170°	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1	685.9	685.9
172.5°	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7	682.2	681.8
175°	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3	677.2	677.2
177.5°	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1	676.3	675.9
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	945.5	942.8	945.5	943.7	944.6	942.0	934.1	931.5	934.1	936.7	936.7
5°	956.8	955.1	956.8	956.8	955.9	954.2	945.5	943.7	945.5	946.3	944.6
7.5°	960.3	957.7	960.3	958.5	958.5	956.8	948.1	946.3	947.2	949.8	947.2
10°	960.3	957.7	960.3	959.4	958.5	956.8	948.1	944.6	944.6	947.2	944.6
12.5°	955.9	954.2	955.9	954.2	954.2	952.4	943.7	940.2	941.1	942.0	938.5
15°	948.9	946.3	948.9	947.2	948.1	945.5	935.9	932.4	932.4	934.1	927.9
17.5°	938.5	935.0	938.5	937.6	936.7	935.0	926.2	922.7	921.8	922.7	918.3
20°	926.2	923.6	926.2	925.3	925.3	921.8	913.1	908.7	908.7	908.7	904.4
22.5°	907.0	904.4	907.0	908.7	908.7	907.9	900.0	893.9	892.2	892.2	886.9
25°	885.2	882.6	885.2	885.2	884.3	885.2	882.6	879.1	876.5	873.9	868.6
27.5°	864.3	862.5	864.3	862.5	864.3	861.7	860.8	859.9	856.4	853.8	846.8
30°	843.3	841.6	843.3	841.6	839.9	838.1	833.8	832.0	835.5	833.8	822.4
32.5°	817.2	815.4	817.2	817.2	815.4	815.4	808.5	805.8	806.7	812.0	801.5
35°	790.2	787.5	790.2	789.3	790.2	787.5	783.2	782.3	778.8	784.9	777.1
37.5°	758.8	756.1	758.8	758.8	758.8	760.5	757.0	754.4	749.2	757.0	750.9
40°	726.5	723.0	726.5	725.6	726.5	728.2	726.5	724.7	719.5	725.6	720.4
42.5°	689.9	689.0	689.9	690.7	690.7	694.2	696.8	693.4	691.6	687.2	690.7
45°	650.6	648.9	650.6	652.4	653.2	655.0	662.8	662.8	660.2	653.2	658.5
47.5°	608.8	604.4	608.8	614.0	614.0	616.6	624.5	630.6	626.2	617.5	620.1
50°	564.3	565.2	564.3	567.8	567.8	577.4	583.5	589.6	593.9	583.5	571.3
52.5°	520.7	519.8	520.7	523.3	526.8	531.2	541.6	547.7	554.7	548.6	529.4
55°	477.1	478.8	477.1	478.0	479.7	482.3	498.0	504.1	517.2	509.4	489.3
57.5°	433.5	430.9	433.5	435.2	436.1	438.7	451.8	463.1	471.0	471.9	447.4
60°	382.9	379.4	382.9	390.8	392.5	394.2	406.5	416.9	423.9	426.5	401.2
62.5°	338.4	332.3	338.4	343.7	347.2	351.5	360.2	375.9	382.0	382.9	347.2
65°	291.3	288.6	291.3	301.7	302.6	307.8	317.5	328.8	341.9	340.2	288.6
67.5°	248.5	248.5	248.5	255.5	260.7	263.4	275.6	280.8	297.4	299.1	240.7
70°	209.3	208.4	209.3	214.5	218.0	224.1	235.4	241.6	254.6	259.0	195.3
72.5°	171.8	170.9	171.8	176.2	179.6	184.9	194.5	201.4	212.8	218.0	151.7
75°	138.7	136.9	138.7	142.1	141.3	148.2	156.1	163.1	173.5	177.0	112.5
77.5°	106.4	106.4	106.4	109.9	109.9	116.9	120.3	129.1	135.2	140.4	82.8
80°	79.4	78.5	79.4	80.2	80.2	83.7	89.8	95.9	101.2	101.2	56.7
82.5°	55.8	54.1	55.8	55.8	55.8	57.6	61.0	62.8	66.3	68.9	35.8
85°	34.9	34.9	34.9	35.8	34.9	36.6	37.5	39.2	39.2	37.5	21.8
87.5°	22.7	21.8	22.7	21.8	21.8	20.9	20.9	20.9	20.1	19.2	12.2
90°	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5	19.9	12.6
92.5°	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7	122.5	87.1
95°	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0	301.5	169.8
97.5°	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8	406.0	186.4
100°	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0	444.1	200.5
102.5°	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1	461.6	214.4
105°	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6	474.6	235.3
107.5°	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3	477.0	266.0
110°	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0	473.3	283.1



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6	473.4	303.8
115°	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2	477.9	335.0
117.5°	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7	486.8	365.3
120°	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1	494.0	382.9
122.5°	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6	504.4	403.7
125°	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7	518.3	430.3
127.5°	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1	532.3	456.0
130°	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1	542.6	473.2
132.5°	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7	550.9	487.2
135°	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1	559.8	503.4
137.5°	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0	573.4	524.2
140°	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7	581.7	538.2
142.5°	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0	588.6	548.6
145°	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0	597.6	564.4
147.5°	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4	610.9	584.3
150°	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7	617.8	594.6
152.5°	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2	622.4	601.4
155°	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5	632.2	616.3
157.5°	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8	642.2	631.2
160°	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3	646.7	638.0
162.5°	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0	651.5	645.2
165°	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2	658.5	655.6
167.5°	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1	663.9	661.4
170°	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6	668.4	668.2
172.5°	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5	671.4	672.8
177.5°	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2	671.7	672.8
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	935.0	929.7	929.7	921.0	917.5	914.9	910.5	897.4	893.9	890.4	895.7
5°	942.8	933.3	926.2	910.5	897.4	892.2	875.6	844.2	823.3	807.6	798.9
7.5°	944.6	932.4	919.2	894.8	863.4	849.4	798.9	741.3	725.6	711.7	702.9
10°	942.8	928.8	910.5	873.9	799.7	775.3	724.7	687.2	677.7	675.0	677.7
12.5°	936.7	923.6	898.3	837.2	733.5	716.9	687.2	665.4	663.7	668.1	691.6
15°	926.2	914.0	884.3	788.4	696.8	684.6	663.7	655.9	665.4	696.0	766.6
17.5°	915.7	901.8	865.1	740.4	668.9	660.2	645.4	661.1	715.2	756.1	779.7
20°	901.8	885.2	843.3	705.6	648.9	641.0	634.1	704.7	745.7	760.5	773.6
22.5°	885.2	867.8	813.7	681.1	628.0	621.8	626.2	729.1	745.7	756.1	767.5
25°	863.4	848.6	778.8	662.0	611.4	604.4	621.0	726.5	736.1	738.7	761.4
27.5°	843.3	824.2	742.2	644.5	591.3	588.7	625.3	715.2	722.1	724.7	749.2
30°	818.9	790.2	701.2	626.2	570.4	569.5	626.2	701.2	699.5	706.4	730.9
32.5°	793.6	739.6	655.0	603.5	550.3	549.5	620.1	680.3	678.5	688.1	706.4
35°	770.1	700.3	592.2	577.4	525.1	525.9	605.3	655.9	656.7	665.4	676.8
37.5°	745.7	666.3	523.3	548.6	500.6	500.6	585.2	633.2	631.4	634.1	649.8
40°	716.9	613.1	462.3	511.1	478.0	475.3	560.8	608.8	602.7	601.8	623.6
42.5°	686.4	554.7	416.9	461.4	451.8	448.3	531.2	579.1	567.8	570.4	598.3
45°	653.2	539.0	382.0	389.9	424.8	422.2	498.9	545.1	537.3	544.2	573.0
47.5°	620.1	507.6	370.7	323.6	396.0	395.1	463.1	512.0	507.6	514.6	545.1
50°	574.8	472.7	369.8	277.3	363.7	367.2	420.4	479.7	479.7	485.8	518.1
52.5°	516.3	430.0	335.8	251.1	326.2	336.7	382.9	451.8	453.5	459.6	488.4
55°	463.1	385.5	311.4	231.1	281.7	304.3	346.3	423.0	426.5	432.6	458.8
57.5°	414.3	321.0	306.1	207.5	240.7	262.5	314.0	395.1	396.9	402.1	427.4
60°	362.0	232.0	280.8	182.3	204.9	221.5	284.3	362.0	368.1	371.6	393.4
62.5°	302.6	168.3	254.6	164.8	187.5	191.0	259.9	330.6	338.4	341.1	354.1
65°	215.4	141.3	216.3	150.0	169.2	170.0	233.7	298.2	305.2	309.6	319.3
67.5°	145.6	115.1	164.8	136.0	155.2	156.1	208.4	260.7	270.3	273.8	279.9
70°	101.2	76.7	122.1	121.2	139.5	141.3	181.4	226.7	235.4	238.1	241.6
72.5°	74.1	61.9	101.2	109.0	123.0	124.7	153.5	188.4	197.1	199.7	201.4
75°	56.7	65.4	82.0	95.1	104.6	105.5	125.6	153.5	159.6	161.3	162.2
77.5°	45.3	61.0	60.2	76.7	85.5	83.7	98.5	118.6	123.8	123.8	123.8
80°	34.0	48.0	45.3	54.9	62.8	61.0	70.6	84.6	86.3	88.1	87.2
82.5°	25.3	30.5	30.5	34.9	41.9	40.1	47.1	54.9	54.9	54.9	56.7
85°	15.7	17.4	14.0	18.3	23.5	22.7	26.2	29.6	30.5	30.5	28.8
87.5°	9.6	7.8	4.4	7.0	10.5	10.5	12.2	13.1	12.2	12.2	12.2
90°	11.8	8.1	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8
92.5°	79.4	48.7	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6
95°	155.7	99.5	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5
97.5°	174.1	124.4	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9
100°	189.2	144.3	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9
102.5°	204.0	162.0	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8
105°	226.4	190.9	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4
107.5°	257.7	224.5	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3
110°	275.6	245.7	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	296.7	268.2	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3
115°	328.5	302.2	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8
117.5°	359.4	335.5	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5
120°	377.3	354.8	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6
122.5°	398.0	375.3	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7
125°	425.1	404.4	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7
127.5°	450.8	429.9	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2
130°	467.6	445.1	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4
132.5°	481.6	459.1	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7
135°	498.3	477.9	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8
137.5°	519.1	498.8	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5
140°	533.5	514.8	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4
142.5°	544.2	527.0	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1
145°	560.6	545.5	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2
147.5°	580.6	566.0	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7
150°	591.3	578.1	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0
152.5°	598.9	588.9	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6
155°	614.4	607.0	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5
157.5°	629.3	622.2	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9
160°	636.6	630.9	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0
162.5°	644.2	639.9	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6
165°	654.6	650.8	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6
167.5°	661.0	659.2	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1
170°	667.8	666.0	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1
172.5°	668.6	668.2	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7
175°	672.8	672.8	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3
177.5°	672.8	672.8	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	889.6	886.9	890.4	880.8	890.4	886.9	889.6	895.7	890.4	893.9	897.4
5°	780.6	776.2	762.2	750.9	762.2	776.2	780.6	798.9	807.6	823.3	844.2
7.5°	697.7	694.2	690.7	683.8	690.7	694.2	697.7	702.9	711.7	725.6	741.3
10°	679.4	680.3	685.5	684.6	685.5	680.3	679.4	677.7	675.0	677.7	687.2
12.5°	726.5	734.3	763.1	761.4	763.1	734.3	726.5	691.6	668.1	663.7	665.4
15°	780.6	783.2	789.3	790.2	789.3	783.2	780.6	766.6	696.0	665.4	655.9
17.5°	785.8	786.7	791.0	791.0	791.0	786.7	785.8	779.7	756.1	715.2	661.1
20°	781.4	783.2	791.9	793.6	791.9	783.2	781.4	773.6	760.5	745.7	704.7
22.5°	779.7	783.2	790.2	789.3	790.2	783.2	779.7	767.5	756.1	745.7	729.1
25°	771.0	771.0	771.8	772.7	771.8	771.0	771.0	761.4	738.7	736.1	726.5
27.5°	752.7	754.4	759.6	758.8	759.6	754.4	752.7	749.2	724.7	722.1	715.2
30°	736.1	734.3	730.0	726.5	730.0	734.3	736.1	730.9	706.4	699.5	701.2
32.5°	708.2	703.8	699.5	696.8	699.5	703.8	708.2	706.4	688.1	678.5	680.3
35°	675.0	675.9	675.0	672.4	675.0	675.9	675.0	676.8	665.4	656.7	655.9
37.5°	651.5	653.2	652.4	648.9	652.4	653.2	651.5	649.8	634.1	631.4	633.2
40°	627.1	628.0	627.1	624.5	627.1	628.0	627.1	623.6	601.8	602.7	608.8
42.5°	603.5	602.7	600.0	598.3	600.0	602.7	603.5	598.3	570.4	567.8	579.1
45°	576.5	577.4	572.1	569.5	572.1	577.4	576.5	573.0	544.2	537.3	545.1
47.5°	549.5	549.5	545.1	542.5	545.1	549.5	549.5	545.1	514.6	507.6	512.0
50°	520.7	519.8	513.7	512.8	513.7	519.8	520.7	518.1	485.8	479.7	479.7
52.5°	487.6	487.6	488.4	490.2	488.4	487.6	487.6	488.4	459.6	453.5	451.8
55°	458.8	459.6	465.8	467.5	465.8	459.6	458.8	458.8	432.6	426.5	423.0
57.5°	429.1	429.1	433.5	433.5	433.5	429.1	429.1	427.4	402.1	396.9	395.1
60°	395.1	396.9	400.4	399.5	400.4	396.9	395.1	393.4	371.6	368.1	362.0
62.5°	359.4	361.1	362.0	360.2	362.0	361.1	359.4	354.1	341.1	338.4	330.6
65°	321.9	323.6	324.5	322.7	324.5	323.6	321.9	319.3	309.6	305.2	298.2
67.5°	283.4	282.5	281.7	285.2	281.7	282.5	283.4	279.9	273.8	270.3	260.7
70°	244.2	244.2	243.3	245.0	243.3	244.2	244.2	241.6	238.1	235.4	226.7
72.5°	202.3	201.4	204.9	202.3	204.9	201.4	202.3	201.4	199.7	197.1	188.4
75°	161.3	163.1	161.3	163.9	161.3	163.1	161.3	162.2	161.3	159.6	153.5
77.5°	123.0	124.7	123.0	123.0	123.0	124.7	123.0	123.8	123.8	123.8	118.6
80°	87.2	86.3	86.3	85.5	86.3	86.3	87.2	87.2	88.1	86.3	84.6
82.5°	55.8	54.9	54.9	56.7	54.9	54.9	55.8	56.7	54.9	54.9	54.9
85°	30.5	31.4	29.6	29.6	29.6	31.4	30.5	28.8	30.5	30.5	29.6
87.5°	11.3	10.5	10.5	10.5	10.5	10.5	11.3	12.2	12.2	12.2	13.1
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5
92.5°	85.8	82.4	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7
95°	291.3	280.9	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0
97.5°	672.3	652.6	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8
100°	944.1	920.6	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0
102.5°	1176.2	1156.1	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1
105°	1447.1	1436.2	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6
107.5°	1587.9	1590.5	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3
110°	1624.1	1635.3	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1601.1	1618.3	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6
115°	1522.9	1546.8	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2
117.5°	1415.0	1441.5	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7
120°	1342.3	1368.1	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1
122.5°	1269.6	1295.1	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6
125°	1173.4	1196.9	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7
127.5°	1096.2	1116.0	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1
130°	1047.5	1065.7	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1
132.5°	1006.0	1022.3	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7
135°	947.3	961.4	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1
137.5°	903.9	915.4	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0
140°	869.2	880.0	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7
142.5°	844.7	854.0	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0
145°	808.2	815.3	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0
147.5°	777.5	783.3	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4
150°	759.9	764.6	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7
152.5°	745.9	749.4	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2
155°	729.2	731.5	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5
157.5°	714.7	716.4	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8
160°	707.5	708.4	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3
162.5°	700.8	701.6	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0
165°	690.3	691.3	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2
167.5°	685.9	686.3	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1
170°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6
172.5°	682.2	681.8	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5
177.5°	676.3	675.9	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	921.8	921.8	921.8	921.8	921.8
2.5°	910.5	914.9	917.5	921.0	929.7
5°	875.6	892.2	897.4	910.5	926.2
7.5°	798.9	849.4	863.4	894.8	919.2
10°	724.7	775.3	799.7	873.9	910.5
12.5°	687.2	716.9	733.5	837.2	898.3
15°	663.7	684.6	696.8	788.4	884.3
17.5°	645.4	660.2	668.9	740.4	865.1
20°	634.1	641.0	648.9	705.6	843.3
22.5°	626.2	621.8	628.0	681.1	813.7
25°	621.0	604.4	611.4	662.0	778.8
27.5°	625.3	588.7	591.3	644.5	742.2
30°	626.2	569.5	570.4	626.2	701.2
32.5°	620.1	549.5	550.3	603.5	655.0
35°	605.3	525.9	525.1	577.4	592.2
37.5°	585.2	500.6	500.6	548.6	523.3
40°	560.8	475.3	478.0	511.1	462.3
42.5°	531.2	448.3	451.8	461.4	416.9
45°	498.9	422.2	424.8	389.9	382.0
47.5°	463.1	395.1	396.0	323.6	370.7
50°	420.4	367.2	363.7	277.3	369.8
52.5°	382.9	336.7	326.2	251.1	335.8
55°	346.3	304.3	281.7	231.1	311.4
57.5°	314.0	262.5	240.7	207.5	306.1
60°	284.3	221.5	204.9	182.3	280.8
62.5°	259.9	191.0	187.5	164.8	254.6
65°	233.7	170.0	169.2	150.0	216.3
67.5°	208.4	156.1	155.2	136.0	164.8
70°	181.4	141.3	139.5	121.2	122.1
72.5°	153.5	124.7	123.0	109.0	101.2
75°	125.6	105.5	104.6	95.1	82.0
77.5°	98.5	83.7	85.5	76.7	60.2
80°	70.6	61.0	62.8	54.9	45.3
82.5°	47.1	40.1	41.9	34.9	30.5
85°	26.2	22.7	23.5	18.3	14.0
87.5°	12.2	10.5	10.5	7.0	4.4
90°	19.9	12.6	11.8	8.1	4.5
92.5°	122.5	87.1	79.4	48.7	18.1
95°	301.5	169.8	155.7	99.5	43.3
97.5°	406.0	186.4	174.1	124.4	74.9
100°	444.1	200.5	189.2	144.3	99.3
102.5°	461.6	214.4	204.0	162.0	120.1
105°	474.6	235.3	226.4	190.9	155.3
107.5°	477.0	266.0	257.7	224.5	191.4
110°	473.3	283.1	275.6	245.7	215.8



TEST NUMBER: P935532

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	473.4	303.8	296.7	268.2	239.7
115°	477.9	335.0	328.5	302.2	275.8
117.5°	486.8	365.3	359.4	335.5	311.6
120°	494.0	382.9	377.3	354.8	332.3
122.5°	504.4	403.7	398.0	375.3	352.7
125°	518.3	430.3	425.1	404.4	383.8
127.5°	532.3	456.0	450.8	429.9	409.1
130°	542.6	473.2	467.6	445.1	422.6
132.5°	550.9	487.2	481.6	459.1	436.6
135°	559.8	503.4	498.3	477.9	457.4
137.5°	573.4	524.2	519.1	498.8	478.6
140°	581.7	538.2	533.5	514.8	496.2
142.5°	588.6	548.6	544.2	527.0	509.7
145°	597.6	564.4	560.6	545.5	530.5
147.5°	610.9	584.3	580.6	566.0	551.3
150°	617.8	594.6	591.3	578.1	564.8
152.5°	622.4	601.4	598.9	588.9	578.9
155°	632.2	616.3	614.4	607.0	599.6
157.5°	642.2	631.2	629.3	622.2	615.0
160°	646.7	638.0	636.6	630.9	625.3
162.5°	651.5	645.2	644.2	639.9	635.7
165°	658.5	655.6	654.6	650.8	647.0
167.5°	663.9	661.4	661.0	659.2	657.4
170°	668.4	668.2	667.8	666.0	664.1
172.5°	668.7	668.7	668.6	668.2	667.8
175°	671.4	672.8	672.8	672.8	672.8
177.5°	671.7	672.8	672.8	672.8	672.8
180°	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935532
 CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-3000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.73	11.47	11.80	12.55	14.01	13.53	14.27	14.60	15.34	16.81
	3H	11.20	11.86	12.28	12.95	14.43	14.85	15.52	15.93	16.60	18.08
	4H	11.38	12.01	12.48	13.10	14.59	15.28	15.92	16.38	17.00	18.49
	6H	11.50	12.08	12.60	13.16	14.67	15.56	16.14	16.66	17.22	18.73
	8H	11.49	12.05	12.60	13.15	14.65	15.62	16.18	16.73	17.28	18.77
	12H	11.46	11.99	12.57	13.08	14.60	15.65	16.18	16.76	17.28	18.79
4H	2H	11.74	12.37	12.84	13.46	14.95	13.92	14.55	15.02	15.64	17.13
	3H	12.75	13.28	13.86	14.39	15.89	15.41	15.93	16.51	17.05	18.55
	4H	13.03	13.51	14.14	14.61	16.13	15.92	16.41	17.04	17.51	19.03
	6H	13.14	13.56	14.26	14.68	16.20	16.27	16.69	17.39	17.81	19.33
	8H	13.15	13.53	14.27	14.65	16.18	16.37	16.76	17.49	17.88	19.41
	12H	13.11	13.46	14.25	14.59	16.12	16.42	16.77	17.56	17.90	19.44
8H	4H	13.47	13.85	14.58	14.97	16.50	16.04	16.43	17.16	17.54	19.07
	6H	13.72	14.04	14.86	15.20	16.73	16.46	16.78	17.60	17.94	19.47
	8H	13.76	14.04	14.91	15.18	16.73	16.61	16.89	17.76	18.03	19.58
	12H	13.74	13.99	14.89	15.12	16.71	16.70	16.94	17.85	18.08	19.66
12H	4H	13.46	13.81	14.60	14.94	16.48	16.00	16.35	17.13	17.48	19.01
	6H	13.78	14.06	14.93	15.20	16.75	16.46	16.74	17.61	17.88	19.43
	8H	13.84	14.09	14.99	15.22	16.81	16.61	16.86	17.76	17.99	19.58