

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: P935558

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935558
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-93050-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

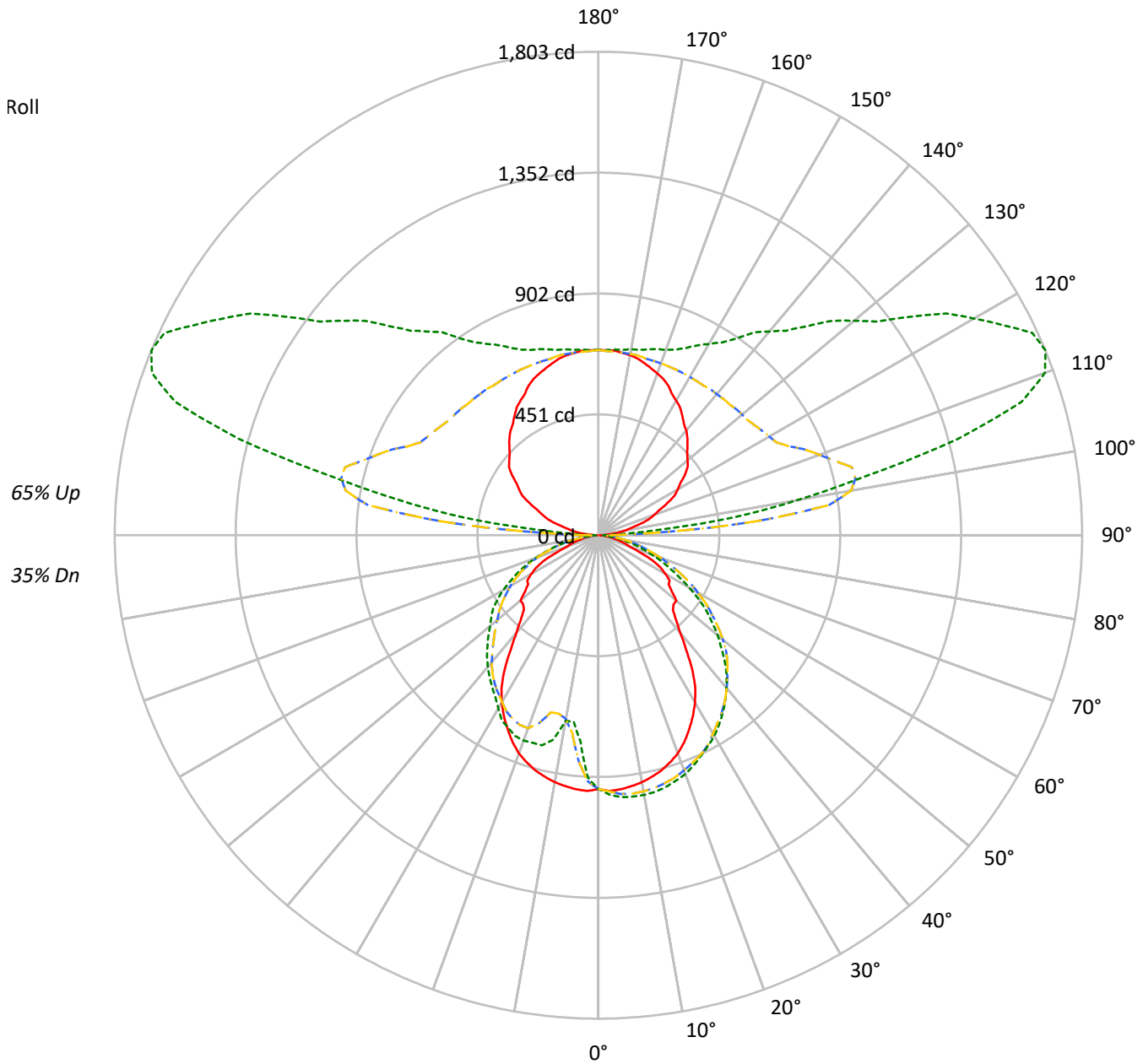
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6934.2 lumens
Efficiency: N/A
Efficacy: 124.7 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

TEST NUMBER: P935558
CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

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°	8782	8782	8782	8782
5°	8838	8866	8838	6971
10°	8769	8733	8769	6243
15°	8664	8544	8664	7134
20°	8473	8319	8473	7149
25°	8092	7992	8092	6997
30°	7604	7721	7604	6665
35°	6769	7378	6769	6300
40°	5631	6974	5631	6023
45°	5021	6501	5021	5706
50°	5323	5937	5323	5387
55°	4994	5329	4994	5203
60°	5128	4527	5128	4765
65°	4626	3740	4626	4183
70°	3181	2981	3181	3505
75°	2761	2204	2761	2638
80°	2181	1457	2181	1586
85°	1184	771	1184	655

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7711 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.2
10°-20°	242.6	3.5
20°-30°	375.0	5.4
30°-40°	447.6	6.5
40°-50°	450.3	6.5
50°-60°	391.8	5.7
60°-70°	277.8	4.0
70°-80°	146.9	2.1
80°-90°	39.2	0.6
90°-100°	336.7	4.9
100°-110°	885.2	12.8
110°-120°	917.8	13.2
120°-130°	736.2	10.6
130°-140°	577.7	8.3
140°-150°	443.4	6.4
150°-160°	319.3	4.6
160°-170°	195.4	2.8
170°-180°	66.0	1.0
0°-30°	703.0	10.1
0°-40°	1150.6	16.6
0°-60°	1992.7	28.7
0°-90°	2456.6	35.4
90°-120°	2139.6	30.9
90°-150°	3896.9	56.2
90°-180°	4478.0	64.6
0°-180°	6934.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	946	946	946	946	946	
5°	951	980	951	771	951	90
15°	908	972	908	811	908	255
25°	800	906	800	793	800	367
35°	608	809	608	690	608	376
45°	392	666	392	585	392	314
55°	320	492	320	480	320	294
65°	222	296	222	331	222	212
75°	84	141	84	168	84	89
85°	14	36	14	30	14	19
90°	5	18	5	18	5	4
95°	44	204	44	204	44	49
105°	160	1386	160	1386	160	169
115°	283	1785	283	1785	283	280
125°	394	1421	394	1421	394	350
135°	470	1103	470	1103	470	363
145°	545	895	545	895	545	341
155°	616	770	616	770	616	283
165°	664	718	664	718	664	187
175°	691	695	691	695	691	66
180°	691	691	691	691	691	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4
2.5°	954.5	954.5	960.0	961.7	961.7	959.1	956.4	959.1	967.1	969.8	968.9
5°	950.9	958.2	968.0	969.8	971.6	970.7	968.9	970.7	979.7	981.4	982.3
7.5°	943.7	957.3	969.8	972.5	975.2	972.5	971.6	973.4	982.3	984.1	984.1
10°	934.8	953.6	968.0	969.8	972.5	969.8	969.8	973.4	982.3	984.1	985.0
12.5°	922.3	948.2	961.7	963.5	967.1	966.2	965.3	968.9	977.9	979.7	979.7
15°	907.9	938.4	950.9	952.7	959.1	957.3	957.3	960.8	970.7	973.4	972.5
17.5°	888.2	925.8	940.2	942.9	947.3	946.4	947.3	950.9	960.0	961.7	962.6
20°	865.9	908.8	925.8	928.5	933.0	933.0	933.0	937.5	946.4	950.0	950.0
22.5°	835.4	890.9	908.8	910.6	916.0	916.0	917.8	924.1	932.1	933.0	933.0
25°	799.6	871.2	886.4	891.8	897.2	899.9	902.6	906.1	908.8	907.9	908.8
27.5°	762.0	846.2	865.9	869.4	876.6	879.3	882.9	883.8	884.7	887.3	885.6
30°	719.9	811.2	840.8	844.4	856.0	857.8	854.2	856.0	860.5	862.3	864.1
32.5°	672.5	759.3	814.8	822.9	833.6	828.3	827.4	830.0	837.2	837.2	839.0
35°	608.0	719.0	790.7	797.8	805.9	799.6	803.2	804.1	808.6	811.2	810.3
37.5°	537.3	684.1	765.6	771.0	777.2	769.2	774.5	777.2	780.8	779.0	779.0
40°	474.6	629.5	736.0	739.6	745.0	738.7	744.1	745.9	747.7	745.9	745.0
42.5°	428.0	569.5	704.7	709.2	705.6	710.1	711.9	715.4	712.8	709.2	709.2
45°	392.2	553.4	670.7	676.1	670.7	677.8	680.5	680.5	672.5	670.7	669.8
47.5°	380.6	521.2	636.7	636.7	634.0	642.9	647.4	641.1	633.1	630.4	630.4
50°	379.7	485.3	590.1	586.5	599.1	609.8	605.3	599.1	592.8	582.9	582.9
52.5°	344.8	441.5	530.1	543.5	563.2	569.5	562.3	556.1	545.3	540.9	537.3
55°	319.7	395.8	475.5	502.4	523.0	531.0	517.6	511.3	495.2	492.5	490.7
57.5°	314.3	329.6	425.4	459.4	484.5	483.6	475.5	463.9	450.4	447.7	446.9
60°	288.3	238.2	371.6	411.9	437.9	435.2	428.0	417.3	404.8	403.0	401.2
62.5°	261.4	172.8	310.7	356.4	393.1	392.2	386.0	369.9	360.9	356.4	352.8
65°	222.0	145.0	221.1	296.3	349.3	351.1	337.6	326.0	316.0	310.7	309.8
67.5°	169.2	118.2	149.5	247.1	307.1	305.3	288.3	282.9	270.4	267.7	262.3
70°	125.3	78.8	103.9	200.5	265.9	261.4	248.0	241.7	230.1	223.8	220.2
72.5°	103.9	63.6	76.1	155.8	223.8	218.5	206.8	199.7	189.8	184.4	180.9
75°	84.2	67.1	58.2	115.5	181.7	178.2	167.4	160.3	152.2	145.0	145.9
77.5°	61.8	62.7	46.6	85.1	144.1	138.8	132.5	123.6	120.0	112.8	112.8
80°	46.6	49.2	34.9	58.2	103.9	103.9	98.5	92.2	85.9	82.4	82.4
82.5°	31.3	31.3	26.0	36.7	70.7	68.0	64.5	62.7	59.1	57.3	57.3
85°	14.3	17.9	16.1	22.4	38.5	40.3	40.3	38.5	37.6	35.8	36.7
87.5°	4.5	8.1	9.8	12.5	19.7	20.6	21.5	21.5	21.5	22.4	22.4
90°	4.7	8.3	12.1	13.0	20.4	30.3	35.2	31.2	23.5	17.6	17.6
92.5°	18.5	50.0	81.6	89.4	125.8	174.2	198.4	173.9	124.9	88.1	84.6
95°	44.5	102.2	159.9	174.3	309.5	489.7	579.9	517.5	392.7	299.0	288.4
97.5°	76.9	127.8	178.7	191.4	416.9	717.4	867.7	828.3	749.4	690.2	670.1
100°	102.0	148.2	194.3	205.8	456.0	789.5	956.3	959.1	965.0	969.3	945.2
102.5°	123.3	166.3	209.4	220.2	473.9	812.2	981.4	1031.7	1132.2	1207.6	1187.0
105°	159.5	196.0	232.4	241.6	487.2	814.8	978.6	1091.3	1316.6	1485.7	1474.6
107.5°	196.5	230.5	264.6	273.1	489.7	778.6	923.0	1080.2	1394.5	1630.3	1633.0
110°	221.6	252.3	282.9	290.6	486.0	746.4	876.6	1052.3	1403.8	1667.4	1679.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	246.1	275.4	304.6	311.9	486.1	718.3	834.4	1014.3	1374.0	1643.8	1661.5
115°	283.2	310.2	337.3	344.0	490.6	686.1	783.8	957.1	1303.7	1563.6	1588.1
117.5°	319.9	344.4	369.0	375.0	499.8	666.0	749.1	905.4	1218.2	1452.7	1480.0
120°	341.2	364.3	387.4	393.1	507.2	659.2	735.2	878.1	1163.8	1378.2	1404.7
122.5°	362.1	385.3	408.6	414.4	517.8	655.6	724.6	853.2	1110.5	1303.5	1329.6
125°	394.0	415.2	436.5	441.7	532.2	652.7	712.9	822.3	1040.8	1204.7	1228.8
127.5°	420.0	441.4	462.8	468.2	546.5	651.0	703.2	797.0	984.8	1125.5	1145.8
130°	433.9	457.0	480.1	485.8	557.1	652.1	699.5	783.0	950.1	1075.4	1094.2
132.5°	448.3	471.4	494.5	500.2	565.6	652.7	696.3	771.0	920.6	1032.8	1049.6
135°	469.6	490.6	511.6	516.9	574.8	652.1	690.7	753.4	878.7	972.6	987.1
137.5°	491.3	512.1	533.0	538.2	588.7	656.1	689.7	742.7	848.6	928.0	939.8
140°	509.4	528.6	547.8	552.6	597.3	656.8	686.5	732.3	823.8	892.4	903.5
142.5°	523.3	541.0	558.8	563.2	604.3	659.1	686.5	726.7	807.0	867.3	876.8
145°	544.7	560.1	575.6	579.4	613.6	659.1	681.9	714.7	780.4	829.8	837.0
147.5°	566.0	581.1	596.1	599.9	627.2	663.6	681.9	707.7	759.5	798.3	804.3
150°	579.9	593.5	607.1	610.5	634.3	666.0	681.9	703.7	747.4	780.2	785.0
152.5°	594.3	604.6	614.9	617.5	639.0	667.5	681.9	700.5	737.8	765.8	769.4
155°	615.6	623.2	630.8	632.7	649.1	670.9	681.9	696.7	726.4	748.7	751.1
157.5°	631.4	638.8	646.1	648.0	659.3	674.3	681.9	693.4	716.5	733.8	735.5
160°	642.0	647.8	653.6	655.0	664.0	675.9	681.9	691.7	711.5	726.4	727.4
162.5°	652.7	657.0	661.4	662.4	668.9	677.6	681.9	690.2	706.9	719.5	720.4
165°	664.2	668.2	672.1	673.1	676.1	679.9	681.9	687.9	699.8	708.7	709.7
167.5°	675.0	676.8	678.6	679.1	681.6	684.9	686.5	690.5	698.3	704.2	704.6
170°	681.9	683.7	685.6	686.1	686.3	686.4	686.5	690.5	698.3	704.2	704.2
172.5°	685.6	686.0	686.4	686.5	686.5	686.5	686.5	689.6	695.7	700.4	700.0
175°	690.7	690.7	690.7	690.7	689.3	687.4	686.5	688.5	692.3	695.3	695.3
177.5°	690.7	690.7	690.7	690.7	689.7	688.1	687.4	688.9	692.1	694.4	694.0
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4
2.5°	970.7	968.0	970.7	968.9	969.8	967.1	959.1	956.4	959.1	961.7	961.7
5°	982.3	980.5	982.3	982.3	981.4	979.7	970.7	968.9	970.7	971.6	969.8
7.5°	985.9	983.2	985.9	984.1	984.1	982.3	973.4	971.6	972.5	975.2	972.5
10°	985.9	983.2	985.9	985.0	984.1	982.3	973.4	969.8	969.8	972.5	969.8
12.5°	981.4	979.7	981.4	979.7	979.7	977.9	968.9	965.3	966.2	967.1	963.5
15°	974.3	971.6	974.3	972.5	973.4	970.7	960.8	957.3	957.3	959.1	952.7
17.5°	963.5	960.0	963.5	962.6	961.7	960.0	950.9	947.3	946.4	947.3	942.9
20°	950.9	948.2	950.9	950.0	950.0	946.4	937.5	933.0	933.0	933.0	928.5
22.5°	931.2	928.5	931.2	933.0	933.0	932.1	924.1	917.8	916.0	916.0	910.6
25°	908.8	906.1	908.8	908.8	907.9	908.8	906.1	902.6	899.9	897.2	891.8
27.5°	887.3	885.6	887.3	885.6	887.3	884.7	883.8	882.9	879.3	876.6	869.4
30°	865.9	864.1	865.9	864.1	862.3	860.5	856.0	854.2	857.8	856.0	844.4
32.5°	839.0	837.2	839.0	839.0	837.2	837.2	830.0	827.4	828.3	833.6	822.9
35°	811.2	808.6	811.2	810.3	811.2	808.6	804.1	803.2	799.6	805.9	797.8
37.5°	779.0	776.3	779.0	779.0	779.0	780.8	777.2	774.5	769.2	777.2	771.0
40°	745.9	742.3	745.9	745.0	745.9	747.7	745.9	744.1	738.7	745.0	739.6
42.5°	708.3	707.4	708.3	709.2	709.2	712.8	715.4	711.9	710.1	705.6	709.2
45°	668.0	666.2	668.0	669.8	670.7	672.5	680.5	680.5	677.8	670.7	676.1
47.5°	625.0	620.5	625.0	630.4	630.4	633.1	641.1	647.4	642.9	634.0	636.7
50°	579.4	580.3	579.4	582.9	582.9	592.8	599.1	605.3	609.8	599.1	586.5
52.5°	534.6	533.7	534.6	537.3	540.9	545.3	556.1	562.3	569.5	563.2	543.5
55°	489.8	491.6	489.8	490.7	492.5	495.2	511.3	517.6	531.0	523.0	502.4
57.5°	445.1	442.4	445.1	446.9	447.7	450.4	463.9	475.5	483.6	484.5	459.4
60°	393.1	389.6	393.1	401.2	403.0	404.8	417.3	428.0	435.2	437.9	411.9
62.5°	347.5	341.2	347.5	352.8	356.4	360.9	369.9	386.0	392.2	393.1	356.4
65°	299.0	296.3	299.0	309.8	310.7	316.0	326.0	337.6	351.1	349.3	296.3
67.5°	255.2	255.2	255.2	262.3	267.7	270.4	282.9	288.3	305.3	307.1	247.1
70°	214.9	214.0	214.9	220.2	223.8	230.1	241.7	248.0	261.4	265.9	200.5
72.5°	176.4	175.5	176.4	180.9	184.4	189.8	199.7	206.8	218.5	223.8	155.8
75°	142.4	140.6	142.4	145.9	145.0	152.2	160.3	167.4	178.2	181.7	115.5
77.5°	109.2	109.2	109.2	112.8	112.8	120.0	123.6	132.5	138.8	144.1	85.1
80°	81.5	80.6	81.5	82.4	82.4	85.9	92.2	98.5	103.9	103.9	58.2
82.5°	57.3	55.5	57.3	57.3	57.3	59.1	62.7	64.5	68.0	70.7	36.7
85°	35.8	35.8	35.8	36.7	35.8	37.6	38.5	40.3	40.3	38.5	22.4
87.5°	23.3	22.4	23.3	22.4	22.4	21.5	21.5	21.5	20.6	19.7	12.5
90°	17.6	17.6	17.6	17.6	17.6	23.5	31.2	35.2	30.3	20.4	13.0
92.5°	70.6	56.6	70.6	84.6	88.1	124.9	173.9	198.4	174.2	125.8	89.4
95°	245.9	203.5	245.9	288.4	299.0	392.7	517.5	579.9	489.7	309.5	174.3
97.5°	589.3	508.5	589.3	670.1	690.2	749.4	828.3	867.7	717.4	416.9	191.4
100°	849.0	752.8	849.0	945.2	969.3	965.0	959.1	956.3	789.5	456.0	205.8
102.5°	1104.5	1022.2	1104.5	1187.0	1207.6	1132.2	1031.7	981.4	812.2	473.9	220.2
105°	1430.4	1386.0	1430.4	1474.6	1485.7	1316.6	1091.3	978.6	814.8	487.2	241.6
107.5°	1643.7	1654.4	1643.7	1633.0	1630.3	1394.5	1080.2	923.0	778.6	489.7	273.1
110°	1725.1	1771.2	1725.1	1679.0	1667.4	1403.8	1052.3	876.6	746.4	486.0	290.6



TEST NUMBER: P935558

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1732.3	1803.2	1732.3	1661.5	1643.8	1374.0	1014.3	834.4	718.3	486.1	311.9
115°	1686.4	1784.7	1686.4	1588.1	1563.6	1303.7	957.1	783.8	686.1	490.6	344.0
117.5°	1589.0	1698.0	1589.0	1480.0	1452.7	1218.2	905.4	749.1	666.0	499.8	375.0
120°	1510.5	1616.4	1510.5	1404.7	1378.2	1163.8	878.1	735.2	659.2	507.2	393.1
122.5°	1434.0	1538.5	1434.0	1329.6	1303.5	1110.5	853.2	724.6	655.6	517.8	414.4
125°	1325.0	1421.2	1325.0	1228.8	1204.7	1040.8	822.3	712.9	652.7	532.2	441.7
127.5°	1226.9	1308.1	1226.9	1145.8	1125.5	984.8	797.0	703.2	651.0	546.5	468.2
130°	1169.2	1244.2	1169.2	1094.2	1075.4	950.1	783.0	699.5	652.1	557.1	485.8
132.5°	1116.7	1183.9	1116.7	1049.6	1032.8	920.6	771.0	696.3	652.7	565.6	500.2
135°	1044.9	1102.8	1044.9	987.1	972.6	878.7	753.4	690.7	652.1	574.8	516.9
137.5°	987.3	1034.6	987.3	939.8	928.0	848.6	742.7	689.7	656.1	588.7	538.2
140°	947.7	992.0	947.7	903.5	892.4	823.8	732.3	686.5	656.8	597.3	552.6
142.5°	914.9	953.1	914.9	876.8	867.3	807.0	726.7	686.5	659.1	604.3	563.2
145°	865.9	894.7	865.9	837.0	829.8	780.4	714.7	681.9	659.1	613.6	579.4
147.5°	828.1	852.0	828.1	804.3	798.3	759.5	707.7	681.9	663.6	627.2	599.9
150°	804.4	823.8	804.4	785.0	780.2	747.4	703.7	681.9	666.0	634.3	610.5
152.5°	784.0	798.7	784.0	769.4	765.8	737.8	700.5	681.9	667.5	639.0	617.5
155°	760.7	770.4	760.7	751.1	748.7	726.4	696.7	681.9	670.9	649.1	632.7
157.5°	742.3	749.1	742.3	735.5	733.8	716.5	693.4	681.9	674.3	659.3	648.0
160°	731.3	735.2	731.3	727.4	726.4	711.5	691.7	681.9	675.9	664.0	655.0
162.5°	724.1	727.8	724.1	720.4	719.5	706.9	690.2	681.9	677.6	668.9	662.4
165°	713.7	717.6	713.7	709.7	708.7	699.8	687.9	681.9	679.9	676.1	673.1
167.5°	706.2	707.8	706.2	704.6	704.2	698.3	690.5	686.5	684.9	681.6	679.1
170°	704.2	704.2	704.2	704.2	704.2	698.3	690.5	686.5	686.4	686.3	686.1
172.5°	698.6	697.2	698.6	700.0	700.4	695.7	689.6	686.5	686.5	686.5	686.5
175°	695.3	695.3	695.3	695.3	695.3	692.3	688.5	686.5	687.4	689.3	690.7
177.5°	692.3	690.7	692.3	694.0	694.4	692.1	688.9	687.4	688.1	689.7	690.7
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



TEST NUMBER: P935558

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4
2.5°	960.0	954.5	954.5	945.5	942.0	939.3	934.8	921.4	917.8	914.2	919.6
5°	968.0	958.2	950.9	934.8	921.4	916.0	899.0	866.8	845.3	829.1	820.2
7.5°	969.8	957.3	943.7	918.7	886.4	872.1	820.2	761.1	745.0	730.7	721.7
10°	968.0	953.6	934.8	897.2	821.1	796.0	744.1	705.6	695.7	693.1	695.7
12.5°	961.7	948.2	922.3	859.6	753.0	736.0	705.6	683.2	681.4	685.9	710.1
15°	950.9	938.4	907.9	809.5	715.4	702.9	681.4	673.4	683.2	714.5	787.1
17.5°	940.2	925.8	888.2	760.2	686.8	677.8	662.6	678.7	734.2	776.3	800.5
20°	925.8	908.8	865.9	724.4	666.2	658.1	651.0	723.5	765.6	780.8	794.2
22.5°	908.8	890.9	835.4	699.3	644.7	638.4	642.9	748.6	765.6	776.3	788.0
25°	886.4	871.2	799.6	679.6	627.7	620.5	637.6	745.9	755.7	758.4	781.7
27.5°	865.9	846.2	762.0	661.7	607.1	604.4	642.0	734.2	741.4	744.1	769.2
30°	840.8	811.2	719.9	642.9	585.6	584.7	642.9	719.9	718.1	725.3	750.4
32.5°	814.8	759.3	672.5	619.6	565.0	564.1	636.7	698.4	696.6	706.5	725.3
35°	790.7	719.0	608.0	592.8	539.1	540.0	621.4	673.4	674.3	683.2	694.9
37.5°	765.6	684.1	537.3	563.2	514.0	514.0	600.8	650.1	648.3	651.0	667.1
40°	736.0	629.5	474.6	524.7	490.7	488.0	575.8	625.0	618.8	617.9	640.2
42.5°	704.7	569.5	428.0	473.7	463.9	460.3	545.3	594.6	582.9	585.6	614.3
45°	670.7	553.4	392.2	400.3	436.1	433.4	512.2	559.7	551.6	558.8	588.3
47.5°	636.7	521.2	380.6	332.3	406.6	405.7	475.5	525.6	521.2	528.3	559.7
50°	590.1	485.3	379.7	284.7	373.4	377.0	431.6	492.5	492.5	498.8	531.9
52.5°	530.1	441.5	344.8	257.8	334.9	345.7	393.1	463.9	465.7	471.9	501.5
55°	475.5	395.8	319.7	237.3	289.2	312.5	355.5	434.3	437.9	444.2	471.0
57.5°	425.4	329.6	314.3	213.1	247.1	269.5	322.4	405.7	407.5	412.8	438.8
60°	371.6	238.2	288.3	187.1	210.4	227.4	291.9	371.6	377.9	381.5	403.9
62.5°	310.7	172.8	261.4	169.2	192.5	196.1	266.8	339.4	347.5	350.2	363.6
65°	221.1	145.0	222.0	154.0	173.7	174.6	239.9	306.2	313.4	317.8	327.8
67.5°	149.5	118.2	169.2	139.7	159.4	160.3	214.0	267.7	277.5	281.1	287.4
70°	103.9	78.8	125.3	124.4	143.2	145.0	186.2	232.8	241.7	244.4	248.0
72.5°	76.1	63.6	103.9	111.9	126.2	128.0	157.6	193.4	202.3	205.0	206.8
75°	58.2	67.1	84.2	97.6	107.4	108.3	128.9	157.6	163.8	165.6	166.5
77.5°	46.6	62.7	61.8	78.8	87.7	85.9	101.2	121.8	127.1	127.1	127.1
80°	34.9	49.2	46.6	56.4	64.5	62.7	72.5	86.8	88.6	90.4	89.5
82.5°	26.0	31.3	31.3	35.8	43.0	41.2	48.3	56.4	56.4	56.4	58.2
85°	16.1	17.9	14.3	18.8	24.2	23.3	26.9	30.4	31.3	31.3	29.5
87.5°	9.8	8.1	4.5	7.2	10.7	10.7	12.5	13.4	12.5	12.5	12.5
90°	12.1	8.3	4.7	8.3	12.1	13.0	20.4	30.3	35.2	31.2	23.5
92.5°	81.6	50.0	18.5	50.0	81.6	89.4	125.8	174.2	198.4	173.9	124.9
95°	159.9	102.2	44.5	102.2	159.9	174.3	309.5	489.7	579.9	517.5	392.7
97.5°	178.7	127.8	76.9	127.8	178.7	191.4	416.9	717.4	867.7	828.3	749.4
100°	194.3	148.2	102.0	148.2	194.3	205.8	456.0	789.5	956.3	959.1	965.0
102.5°	209.4	166.3	123.3	166.3	209.4	220.2	473.9	812.2	981.4	1031.7	1132.2
105°	232.4	196.0	159.5	196.0	232.4	241.6	487.2	814.8	978.6	1091.3	1316.6
107.5°	264.6	230.5	196.5	230.5	264.6	273.1	489.7	778.6	923.0	1080.2	1394.5
110°	282.9	252.3	221.6	252.3	282.9	290.6	486.0	746.4	876.6	1052.3	1403.8



TEST NUMBER: P935558

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	304.6	275.4	246.1	275.4	304.6	311.9	486.1	718.3	834.4	1014.3	1374.0
115°	337.3	310.2	283.2	310.2	337.3	344.0	490.6	686.1	783.8	957.1	1303.7
117.5°	369.0	344.4	319.9	344.4	369.0	375.0	499.8	666.0	749.1	905.4	1218.2
120°	387.4	364.3	341.2	364.3	387.4	393.1	507.2	659.2	735.2	878.1	1163.8
122.5°	408.6	385.3	362.1	385.3	408.6	414.4	517.8	655.6	724.6	853.2	1110.5
125°	436.5	415.2	394.0	415.2	436.5	441.7	532.2	652.7	712.9	822.3	1040.8
127.5°	462.8	441.4	420.0	441.4	462.8	468.2	546.5	651.0	703.2	797.0	984.8
130°	480.1	457.0	433.9	457.0	480.1	485.8	557.1	652.1	699.5	783.0	950.1
132.5°	494.5	471.4	448.3	471.4	494.5	500.2	565.6	652.7	696.3	771.0	920.6
135°	511.6	490.6	469.6	490.6	511.6	516.9	574.8	652.1	690.7	753.4	878.7
137.5°	533.0	512.1	491.3	512.1	533.0	538.2	588.7	656.1	689.7	742.7	848.6
140°	547.8	528.6	509.4	528.6	547.8	552.6	597.3	656.8	686.5	732.3	823.8
142.5°	558.8	541.0	523.3	541.0	558.8	563.2	604.3	659.1	686.5	726.7	807.0
145°	575.6	560.1	544.7	560.1	575.6	579.4	613.6	659.1	681.9	714.7	780.4
147.5°	596.1	581.1	566.0	581.1	596.1	599.9	627.2	663.6	681.9	707.7	759.5
150°	607.1	593.5	579.9	593.5	607.1	610.5	634.3	666.0	681.9	703.7	747.4
152.5°	614.9	604.6	594.3	604.6	614.9	617.5	639.0	667.5	681.9	700.5	737.8
155°	630.8	623.2	615.6	623.2	630.8	632.7	649.1	670.9	681.9	696.7	726.4
157.5°	646.1	638.8	631.4	638.8	646.1	648.0	659.3	674.3	681.9	693.4	716.5
160°	653.6	647.8	642.0	647.8	653.6	655.0	664.0	675.9	681.9	691.7	711.5
162.5°	661.4	657.0	652.7	657.0	661.4	662.4	668.9	677.6	681.9	690.2	706.9
165°	672.1	668.2	664.2	668.2	672.1	673.1	676.1	679.9	681.9	687.9	699.8
167.5°	678.6	676.8	675.0	676.8	678.6	679.1	681.6	684.9	686.5	690.5	698.3
170°	685.6	683.7	681.9	683.7	685.6	686.1	686.3	686.4	686.5	690.5	698.3
172.5°	686.4	686.0	685.6	686.0	686.4	686.5	686.5	686.5	686.5	689.6	695.7
175°	690.7	690.7	690.7	690.7	690.7	690.7	689.3	687.4	686.5	688.5	692.3
177.5°	690.7	690.7	690.7	690.7	690.7	690.7	689.7	688.1	687.4	688.9	692.1
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



TEST NUMBER: P935558

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4	946.4
2.5°	913.3	910.6	914.2	904.4	914.2	910.6	913.3	919.6	914.2	917.8	921.4
5°	801.4	796.9	782.6	771.0	782.6	796.9	801.4	820.2	829.1	845.3	866.8
7.5°	716.3	712.8	709.2	702.0	709.2	712.8	716.3	721.7	730.7	745.0	761.1
10°	697.5	698.4	703.8	702.9	703.8	698.4	697.5	695.7	693.1	695.7	705.6
12.5°	745.9	753.9	783.5	781.7	783.5	753.9	745.9	710.1	685.9	681.4	683.2
15°	801.4	804.1	810.3	811.2	810.3	804.1	801.4	787.1	714.5	683.2	673.4
17.5°	806.8	807.7	812.1	812.1	812.1	807.7	806.8	800.5	776.3	734.2	678.7
20°	802.3	804.1	813.0	814.8	813.0	804.1	802.3	794.2	780.8	765.6	723.5
22.5°	800.5	804.1	811.2	810.3	811.2	804.1	800.5	788.0	776.3	765.6	748.6
25°	791.5	791.5	792.4	793.3	792.4	791.5	791.5	781.7	758.4	755.7	745.9
27.5°	772.7	774.5	779.9	779.0	779.9	774.5	772.7	769.2	744.1	741.4	734.2
30°	755.7	753.9	749.5	745.9	749.5	753.9	755.7	750.4	725.3	718.1	719.9
32.5°	727.1	722.6	718.1	715.4	718.1	722.6	727.1	725.3	706.5	696.6	698.4
35°	693.1	694.0	693.1	690.4	693.1	694.0	693.1	694.9	683.2	674.3	673.4
37.5°	668.9	670.7	669.8	666.2	669.8	670.7	668.9	667.1	651.0	648.3	650.1
40°	643.8	644.7	643.8	641.1	643.8	644.7	643.8	640.2	617.9	618.8	625.0
42.5°	619.6	618.8	616.1	614.3	616.1	618.8	619.6	614.3	585.6	582.9	594.6
45°	591.9	592.8	587.4	584.7	587.4	592.8	591.9	588.3	558.8	551.6	559.7
47.5°	564.1	564.1	559.7	557.0	559.7	564.1	564.1	559.7	528.3	521.2	525.6
50°	534.6	533.7	527.4	526.5	527.4	533.7	534.6	531.9	498.8	492.5	492.5
52.5°	500.6	500.6	501.5	503.3	501.5	500.6	500.6	501.5	471.9	465.7	463.9
55°	471.0	471.9	478.2	480.0	478.2	471.9	471.0	471.0	444.2	437.9	434.3
57.5°	440.6	440.6	445.1	445.1	445.1	440.6	440.6	438.8	412.8	407.5	405.7
60°	405.7	407.5	411.0	410.1	411.0	407.5	405.7	403.9	381.5	377.9	371.6
62.5°	369.0	370.7	371.6	369.9	371.6	370.7	369.0	363.6	350.2	347.5	339.4
65°	330.5	332.3	333.1	331.4	333.1	332.3	330.5	327.8	317.8	313.4	306.2
67.5°	291.0	290.1	289.2	292.8	289.2	290.1	291.0	287.4	281.1	277.5	267.7
70°	250.7	250.7	249.8	251.6	249.8	250.7	250.7	248.0	244.4	241.7	232.8
72.5°	207.7	206.8	210.4	207.7	210.4	206.8	207.7	206.8	205.0	202.3	193.4
75°	165.6	167.4	165.6	168.3	165.6	167.4	165.6	166.5	165.6	163.8	157.6
77.5°	126.2	128.0	126.2	126.2	126.2	128.0	126.2	127.1	127.1	127.1	121.8
80°	89.5	88.6	88.6	87.7	88.6	88.6	89.5	89.5	90.4	88.6	86.8
82.5°	57.3	56.4	56.4	58.2	56.4	56.4	57.3	58.2	56.4	56.4	56.4
85°	31.3	32.2	30.4	30.4	30.4	32.2	31.3	29.5	31.3	31.3	30.4
87.5°	11.6	10.7	10.7	10.7	10.7	10.7	11.6	12.5	12.5	12.5	13.4
90°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	23.5	31.2	35.2	30.3
92.5°	88.1	84.6	70.6	56.6	70.6	84.6	88.1	124.9	173.9	198.4	174.2
95°	299.0	288.4	245.9	203.5	245.9	288.4	299.0	392.7	517.5	579.9	489.7
97.5°	690.2	670.1	589.3	508.5	589.3	670.1	690.2	749.4	828.3	867.7	717.4
100°	969.3	945.2	849.0	752.8	849.0	945.2	969.3	965.0	959.1	956.3	789.5
102.5°	1207.6	1187.0	1104.5	1022.2	1104.5	1187.0	1207.6	1132.2	1031.7	981.4	812.2
105°	1485.7	1474.6	1430.4	1386.0	1430.4	1474.6	1485.7	1316.6	1091.3	978.6	814.8
107.5°	1630.3	1633.0	1643.7	1654.4	1643.7	1633.0	1630.3	1394.5	1080.2	923.0	778.6
110°	1667.4	1679.0	1725.1	1771.2	1725.1	1679.0	1667.4	1403.8	1052.3	876.6	746.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1643.8	1661.5	1732.3	1803.2	1732.3	1661.5	1643.8	1374.0	1014.3	834.4	718.3
115°	1563.6	1588.1	1686.4	1784.7	1686.4	1588.1	1563.6	1303.7	957.1	783.8	686.1
117.5°	1452.7	1480.0	1589.0	1698.0	1589.0	1480.0	1452.7	1218.2	905.4	749.1	666.0
120°	1378.2	1404.7	1510.5	1616.4	1510.5	1404.7	1378.2	1163.8	878.1	735.2	659.2
122.5°	1303.5	1329.6	1434.0	1538.5	1434.0	1329.6	1303.5	1110.5	853.2	724.6	655.6
125°	1204.7	1228.8	1325.0	1421.2	1325.0	1228.8	1204.7	1040.8	822.3	712.9	652.7
127.5°	1125.5	1145.8	1226.9	1308.1	1226.9	1145.8	1125.5	984.8	797.0	703.2	651.0
130°	1075.4	1094.2	1169.2	1244.2	1169.2	1094.2	1075.4	950.1	783.0	699.5	652.1
132.5°	1032.8	1049.6	1116.7	1183.9	1116.7	1049.6	1032.8	920.6	771.0	696.3	652.7
135°	972.6	987.1	1044.9	1102.8	1044.9	987.1	972.6	878.7	753.4	690.7	652.1
137.5°	928.0	939.8	987.3	1034.6	987.3	939.8	928.0	848.6	742.7	689.7	656.1
140°	892.4	903.5	947.7	992.0	947.7	903.5	892.4	823.8	732.3	686.5	656.8
142.5°	867.3	876.8	914.9	953.1	914.9	876.8	867.3	807.0	726.7	686.5	659.1
145°	829.8	837.0	865.9	894.7	865.9	837.0	829.8	780.4	714.7	681.9	659.1
147.5°	798.3	804.3	828.1	852.0	828.1	804.3	798.3	759.5	707.7	681.9	663.6
150°	780.2	785.0	804.4	823.8	804.4	785.0	780.2	747.4	703.7	681.9	666.0
152.5°	765.8	769.4	784.0	798.7	784.0	769.4	765.8	737.8	700.5	681.9	667.5
155°	748.7	751.1	760.7	770.4	760.7	751.1	748.7	726.4	696.7	681.9	670.9
157.5°	733.8	735.5	742.3	749.1	742.3	735.5	733.8	716.5	693.4	681.9	674.3
160°	726.4	727.4	731.3	735.2	731.3	727.4	726.4	711.5	691.7	681.9	675.9
162.5°	719.5	720.4	724.1	727.8	724.1	720.4	719.5	706.9	690.2	681.9	677.6
165°	708.7	709.7	713.7	717.6	713.7	709.7	708.7	699.8	687.9	681.9	679.9
167.5°	704.2	704.6	706.2	707.8	706.2	704.6	704.2	698.3	690.5	686.5	684.9
170°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	698.3	690.5	686.5	686.4
172.5°	700.4	700.0	698.6	697.2	698.6	700.0	700.4	695.7	689.6	686.5	686.5
175°	695.3	695.3	695.3	695.3	695.3	695.3	695.3	692.3	688.5	686.5	687.4
177.5°	694.4	694.0	692.3	690.7	692.3	694.0	694.4	692.1	688.9	687.4	688.1
180°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	946.4	946.4	946.4	946.4	946.4
2.5°	934.8	939.3	942.0	945.5	954.5
5°	899.0	916.0	921.4	934.8	950.9
7.5°	820.2	872.1	886.4	918.7	943.7
10°	744.1	796.0	821.1	897.2	934.8
12.5°	705.6	736.0	753.0	859.6	922.3
15°	681.4	702.9	715.4	809.5	907.9
17.5°	662.6	677.8	686.8	760.2	888.2
20°	651.0	658.1	666.2	724.4	865.9
22.5°	642.9	638.4	644.7	699.3	835.4
25°	637.6	620.5	627.7	679.6	799.6
27.5°	642.0	604.4	607.1	661.7	762.0
30°	642.9	584.7	585.6	642.9	719.9
32.5°	636.7	564.1	565.0	619.6	672.5
35°	621.4	540.0	539.1	592.8	608.0
37.5°	600.8	514.0	514.0	563.2	537.3
40°	575.8	488.0	490.7	524.7	474.6
42.5°	545.3	460.3	463.9	473.7	428.0
45°	512.2	433.4	436.1	400.3	392.2
47.5°	475.5	405.7	406.6	332.3	380.6
50°	431.6	377.0	373.4	284.7	379.7
52.5°	393.1	345.7	334.9	257.8	344.8
55°	355.5	312.5	289.2	237.3	319.7
57.5°	322.4	269.5	247.1	213.1	314.3
60°	291.9	227.4	210.4	187.1	288.3
62.5°	266.8	196.1	192.5	169.2	261.4
65°	239.9	174.6	173.7	154.0	222.0
67.5°	214.0	160.3	159.4	139.7	169.2
70°	186.2	145.0	143.2	124.4	125.3
72.5°	157.6	128.0	126.2	111.9	103.9
75°	128.9	108.3	107.4	97.6	84.2
77.5°	101.2	85.9	87.7	78.8	61.8
80°	72.5	62.7	64.5	56.4	46.6
82.5°	48.3	41.2	43.0	35.8	31.3
85°	26.9	23.3	24.2	18.8	14.3
87.5°	12.5	10.7	10.7	7.2	4.5
90°	20.4	13.0	12.1	8.3	4.7
92.5°	125.8	89.4	81.6	50.0	18.5
95°	309.5	174.3	159.9	102.2	44.5
97.5°	416.9	191.4	178.7	127.8	76.9
100°	456.0	205.8	194.3	148.2	102.0
102.5°	473.9	220.2	209.4	166.3	123.3
105°	487.2	241.6	232.4	196.0	159.5
107.5°	489.7	273.1	264.6	230.5	196.5
110°	486.0	290.6	282.9	252.3	221.6



TEST NUMBER: P935558

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	486.1	311.9	304.6	275.4	246.1
115°	490.6	344.0	337.3	310.2	283.2
117.5°	499.8	375.0	369.0	344.4	319.9
120°	507.2	393.1	387.4	364.3	341.2
122.5°	517.8	414.4	408.6	385.3	362.1
125°	532.2	441.7	436.5	415.2	394.0
127.5°	546.5	468.2	462.8	441.4	420.0
130°	557.1	485.8	480.1	457.0	433.9
132.5°	565.6	500.2	494.5	471.4	448.3
135°	574.8	516.9	511.6	490.6	469.6
137.5°	588.7	538.2	533.0	512.1	491.3
140°	597.3	552.6	547.8	528.6	509.4
142.5°	604.3	563.2	558.8	541.0	523.3
145°	613.6	579.4	575.6	560.1	544.7
147.5°	627.2	599.9	596.1	581.1	566.0
150°	634.3	610.5	607.1	593.5	579.9
152.5°	639.0	617.5	614.9	604.6	594.3
155°	649.1	632.7	630.8	623.2	615.6
157.5°	659.3	648.0	646.1	638.8	631.4
160°	664.0	655.0	653.6	647.8	642.0
162.5°	668.9	662.4	661.4	657.0	652.7
165°	676.1	673.1	672.1	668.2	664.2
167.5°	681.6	679.1	678.6	676.8	675.0
170°	686.3	686.1	685.6	683.7	681.9
172.5°	686.5	686.5	686.4	686.0	685.6
175°	689.3	690.7	690.7	690.7	690.7
177.5°	689.7	690.7	690.7	690.7	690.7
180°	690.7	690.7	690.7	690.7	690.7



TEST NUMBER: P935558
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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	10.82	11.57	11.89	12.64	14.10	13.62	14.36	14.69	15.44	16.90
	3H	11.29	11.96	12.37	13.04	14.52	14.95	15.61	16.03	16.69	18.18
	4H	11.47	12.11	12.57	13.19	14.68	15.38	16.01	16.47	17.09	18.58
	6H	11.59	12.17	12.69	13.26	14.76	15.65	16.23	16.75	17.32	18.82
	8H	11.59	12.14	12.69	13.24	14.74	15.71	16.27	16.82	17.37	18.87
	12H	11.55	12.08	12.66	13.18	14.69	15.75	16.27	16.86	17.37	18.89
4H	2H	11.83	12.46	12.93	13.55	15.04	14.02	14.65	15.12	15.73	17.22
	3H	12.85	13.37	13.95	14.48	15.99	15.50	16.03	16.61	17.14	18.64
	4H	13.12	13.60	14.23	14.70	16.22	16.02	16.50	17.13	17.60	19.12
	6H	13.24	13.65	14.36	14.78	16.29	16.37	16.78	17.49	17.91	19.42
	8H	13.24	13.63	14.36	14.74	16.27	16.47	16.85	17.58	17.97	19.50
	12H	13.20	13.55	14.34	14.68	16.22	16.51	16.86	17.65	17.99	19.53
8H	4H	13.56	13.94	14.68	15.06	16.59	16.13	16.52	17.25	17.63	19.17
	6H	13.81	14.13	14.95	15.29	16.82	16.56	16.87	17.70	18.03	19.56
	8H	13.85	14.13	15.00	15.27	16.82	16.70	16.98	17.85	18.12	19.67
	12H	13.83	14.08	14.98	15.21	16.80	16.79	17.03	17.94	18.17	19.75
12H	4H	13.56	13.91	14.69	15.03	16.57	16.09	16.44	17.23	17.57	19.11
	6H	13.87	14.15	15.02	15.29	16.84	16.55	16.83	17.70	17.97	19.52
	8H	13.93	14.18	15.08	15.31	16.90	16.70	16.95	17.85	18.08	19.67