

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: P935035

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935035
REPORT IS A COMBINATION OF REPORTS P933738 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

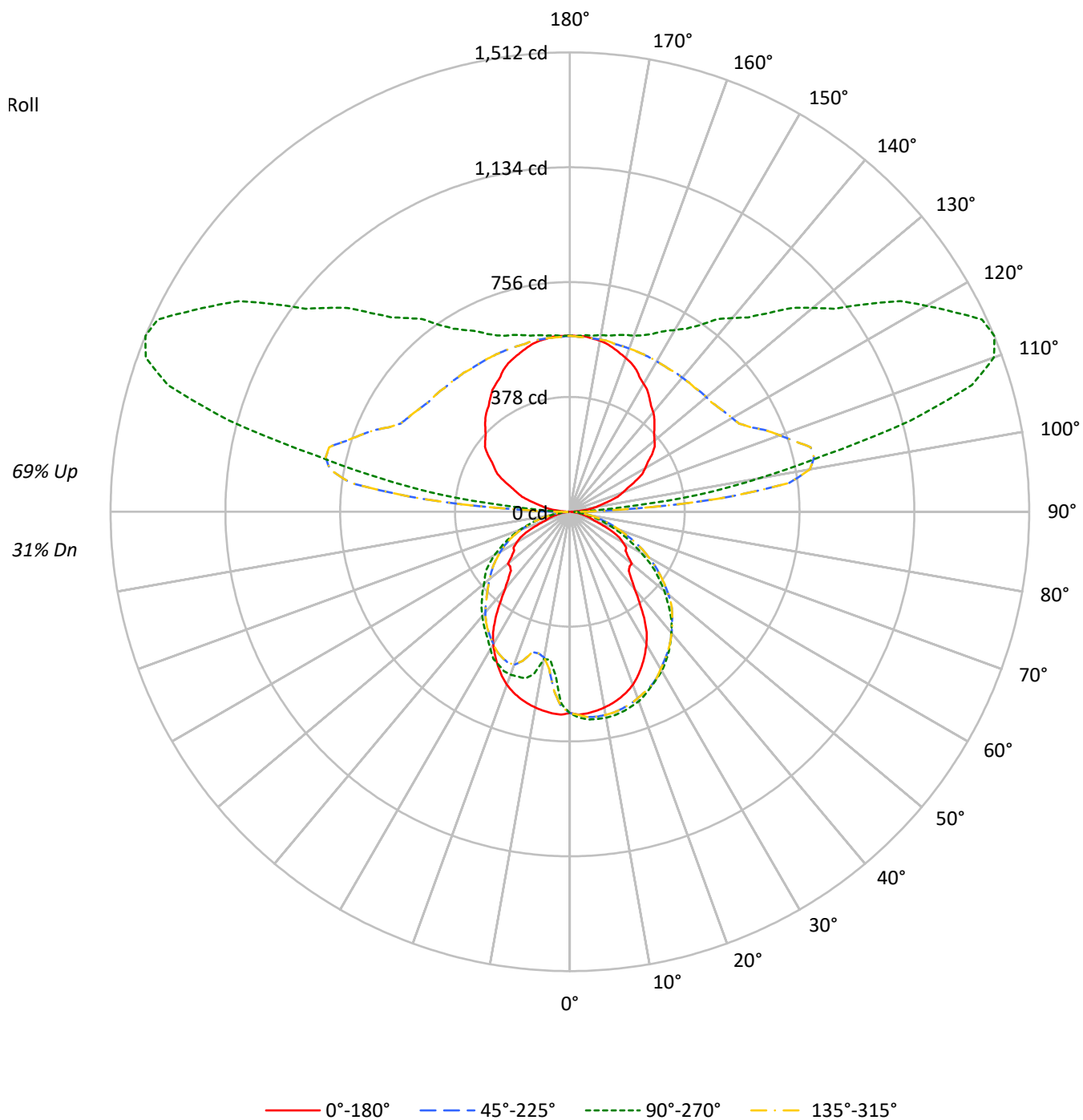
Lumens per Lamp: N/A
Luminaire Lumens: 5475.5 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.2
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: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31		
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27		
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22		
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19		
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16		
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14		
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12		
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11		
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10		
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9		
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6148	6148	6148	6148
5°	6187	6206	6187	4880
10°	6140	6114	6140	4371
15°	6065	5982	6065	4994
20°	5932	5824	5932	5005
25°	5665	5596	5665	4899
30°	5323	5405	5323	4666
35°	4739	5165	4739	4410
40°	3941	4882	3941	4216
45°	3514	4551	3514	3994
50°	3726	4156	3726	3771
55°	3496	3731	3496	3642
60°	3591	3168	3591	3336
65°	3238	2619	3238	2927
70°	2229	2087	2229	2455
75°	1931	1543	1931	1848
80°	1526	1022	1526	1110
85°	828	541	828	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5398 cd/sqm

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CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.1
10°-20°	169.8	3.1
20°-30°	262.5	4.8
30°-40°	313.4	5.7
40°-50°	315.2	5.8
50°-60°	274.3	5.0
60°-70°	194.5	3.6
70°-80°	102.9	1.9
80°-90°	27.8	0.5
90°-100°	282.4	5.2
100°-110°	742.4	13.6
110°-120°	769.8	14.1
120°-130°	617.4	11.3
130°-140°	484.5	8.8
140°-150°	371.9	6.8
150°-160°	267.8	4.9
160°-170°	163.9	3.0
170°-180°	55.4	1.0
0°-30°	492.1	9.0
0°-40°	805.5	14.7
0°-60°	1395.0	25.5
0°-90°	1720.2	31.4
90°-120°	1794.5	32.8
90°-150°	3268.3	59.7
90°-180°	3755.0	68.6
0°-180°	5475.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	663	663	663	663	663	
5°	666	686	666	540	666	63
15°	636	680	636	568	636	179
25°	560	634	560	555	560	257
35°	426	566	426	483	426	263
45°	274	466	274	409	274	220
55°	224	344	224	336	224	206
65°	155	208	155	232	155	149
75°	59	98	59	118	59	62
85°	10	25	10	21	10	14
90°	4	15	4	15	4	4
95°	37	171	37	171	37	41
105°	134	1162	134	1162	134	142
115°	238	1497	238	1497	238	235
125°	330	1192	330	1192	330	293
135°	394	925	394	925	394	305
145°	457	750	457	750	457	286
155°	516	646	516	646	516	237
165°	557	602	557	602	557	157
175°	579	583	579	583	579	55
180°	579	579	579	579	579	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6
2.5°	668.2	668.2	672.0	673.3	673.3	671.4	669.5	671.4	677.0	678.9	678.2
5°	665.7	670.7	677.7	678.9	680.2	679.5	678.2	679.5	685.8	687.0	687.7
7.5°	660.7	670.1	678.9	680.7	682.6	680.7	680.2	681.4	687.7	688.9	688.9
10°	654.5	667.6	677.7	678.9	680.7	678.9	678.9	681.4	687.7	688.9	689.5
12.5°	645.7	663.8	673.3	674.5	677.0	676.4	675.8	678.2	684.6	685.8	685.8
15°	635.6	656.9	665.7	667.0	671.4	670.1	670.1	672.6	679.5	681.4	680.7
17.5°	621.9	648.2	658.2	660.1	663.3	662.6	663.3	665.7	672.0	673.3	673.9
20°	606.2	636.3	648.2	650.1	653.2	653.2	653.2	656.4	662.6	665.1	665.1
22.5°	584.8	623.7	636.3	637.6	641.3	641.3	642.5	646.9	652.5	653.2	653.2
25°	559.8	609.9	620.6	624.4	628.1	630.0	631.9	634.4	636.3	635.6	636.3
27.5°	533.4	592.4	606.2	608.7	613.7	615.6	618.1	618.7	619.3	621.2	620.0
30°	504.0	567.9	588.6	591.1	599.2	600.5	598.0	599.2	602.4	603.6	604.9
32.5°	470.8	531.6	570.5	576.1	583.6	579.9	579.2	581.1	586.2	586.2	587.4
35°	425.7	503.3	553.5	558.6	564.2	559.8	562.3	562.9	566.1	567.9	567.3
37.5°	376.1	478.9	536.0	539.7	544.1	538.5	542.2	544.1	546.6	545.4	545.4
40°	332.2	440.7	515.3	517.8	521.6	517.2	520.9	522.2	523.4	522.2	521.6
42.5°	299.7	398.7	493.3	496.5	494.0	497.1	498.4	500.9	498.9	496.5	496.5
45°	274.5	387.4	469.5	473.2	469.5	474.6	476.4	476.4	470.8	469.5	468.8
47.5°	266.4	364.8	445.7	445.7	443.8	450.1	453.2	448.8	443.2	441.3	441.3
50°	265.8	339.8	413.1	410.6	419.4	426.9	423.8	419.4	415.0	408.1	408.1
52.5°	241.3	309.0	371.1	380.5	394.3	398.7	393.7	389.3	381.7	378.6	376.1
55°	223.8	277.0	332.8	351.6	366.1	371.7	362.3	357.9	346.7	344.8	343.5
57.5°	220.0	230.7	297.8	321.5	339.1	338.6	332.8	324.7	315.3	313.4	312.8
60°	201.9	166.8	260.1	288.4	306.5	304.6	299.7	292.1	283.3	282.1	280.9
62.5°	183.0	121.0	217.5	249.5	275.2	274.5	270.2	258.9	252.7	249.5	246.9
65°	155.4	101.5	154.9	207.5	244.5	245.7	236.3	228.2	221.2	217.5	216.9
67.5°	118.5	82.7	104.7	173.0	215.0	213.8	201.9	198.1	189.3	187.4	183.7
70°	87.8	55.1	72.7	140.4	186.2	183.0	173.7	169.3	161.1	156.8	154.2
72.5°	72.7	44.5	53.3	109.1	156.8	152.9	144.8	139.8	132.9	129.2	126.7
75°	58.9	47.0	40.8	80.9	127.2	124.8	117.2	112.2	106.6	101.5	102.2
77.5°	43.3	43.8	32.6	59.5	100.9	97.2	92.8	86.6	84.0	79.0	79.0
80°	32.6	34.5	24.5	40.8	72.7	72.7	69.0	64.6	60.2	57.7	57.7
82.5°	22.0	22.0	18.1	25.7	49.5	47.7	45.1	43.8	41.4	40.1	40.1
85°	10.0	12.5	11.3	15.7	26.9	28.2	28.2	26.9	26.4	25.1	25.7
87.5°	3.2	5.6	6.9	8.8	13.8	14.4	15.0	15.0	15.0	15.7	15.7
90°	3.9	7.0	10.1	10.8	17.1	25.4	29.5	26.3	19.7	14.8	14.8
92.5°	15.5	42.0	68.4	75.1	105.5	146.1	166.4	145.8	104.7	73.8	70.9
95°	37.3	85.7	134.1	146.2	259.6	410.7	486.3	434.0	329.3	250.8	241.9
97.5°	64.5	107.2	149.9	160.6	349.7	601.8	727.8	694.7	628.5	578.9	561.9
100°	85.5	124.2	162.9	172.6	382.5	662.2	802.1	804.5	809.3	812.9	792.7
102.5°	103.4	139.6	175.6	184.7	397.5	681.2	823.1	865.3	949.6	1012.8	995.5
105°	133.8	164.3	194.9	202.6	408.7	683.4	820.8	915.3	1104.3	1246.1	1236.8
107.5°	164.9	193.4	221.9	229.0	410.7	652.9	774.0	905.9	1169.6	1367.4	1369.6
110°	185.8	211.6	237.3	243.8	407.5	626.0	735.1	882.5	1177.4	1398.4	1408.1

TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	206.5	231.0	255.5	261.6	407.7	602.4	699.8	850.7	1152.3	1378.6	1393.5
115°	237.5	260.1	282.7	288.5	411.5	575.5	657.5	802.8	1093.4	1311.4	1332.0
117.5°	268.3	288.8	309.4	314.5	419.1	558.6	628.3	759.4	1021.7	1218.5	1241.3
120°	286.1	305.5	324.8	329.7	425.3	552.9	616.6	736.5	976.1	1155.9	1178.1
122.5°	303.7	323.2	342.8	347.6	434.3	549.9	607.7	715.5	931.3	1093.2	1115.1
125°	330.5	348.3	366.0	370.5	446.3	547.4	597.9	689.6	872.9	1010.4	1030.6
127.5°	352.2	370.1	388.2	392.7	458.4	546.0	589.8	668.5	825.9	944.0	961.0
130°	363.9	383.2	402.6	407.4	467.2	546.9	586.7	656.8	796.9	902.0	917.7
132.5°	375.9	395.3	414.6	419.5	474.3	547.4	583.9	646.6	772.1	866.2	880.3
135°	393.9	411.5	429.1	433.5	482.1	546.9	579.3	631.9	736.8	815.6	827.8
137.5°	412.1	429.6	447.0	451.4	493.7	550.3	578.5	622.9	711.7	778.3	788.2
140°	427.3	443.3	459.4	463.4	500.9	550.8	575.8	614.1	690.8	748.4	757.7
142.5°	438.9	453.8	468.7	472.4	506.9	552.8	575.8	609.4	676.8	727.4	735.4
145°	456.8	469.8	482.7	486.0	514.6	552.9	571.9	599.5	654.6	695.9	702.0
147.5°	474.7	487.4	499.9	503.1	526.1	556.6	571.9	593.6	637.0	669.5	674.6
150°	486.3	497.7	509.1	512.0	532.0	558.7	571.9	590.3	626.8	654.3	658.3
152.5°	498.4	507.0	515.7	517.8	535.9	559.9	571.9	587.6	618.8	642.2	645.3
155°	516.3	522.7	529.1	530.7	544.5	562.8	571.9	584.4	609.2	627.8	629.9
157.5°	529.5	535.8	541.9	543.5	553.0	565.6	571.9	581.6	600.9	615.4	616.8
160°	538.5	543.3	548.1	549.3	556.9	566.9	571.9	580.3	596.8	609.2	610.1
162.5°	547.4	551.0	554.7	555.6	561.0	568.3	571.9	579.0	592.9	603.4	604.1
165°	557.1	560.4	563.6	564.5	567.0	570.3	571.9	577.0	587.0	594.5	595.3
167.5°	566.1	567.6	569.2	569.6	571.7	574.4	575.8	579.1	585.6	590.5	590.9
170°	571.9	573.4	575.0	575.4	575.5	575.7	575.8	579.1	585.6	590.5	590.5
172.5°	575.0	575.4	575.7	575.8	575.8	575.8	575.8	578.4	583.5	587.5	587.2
175°	579.3	579.3	579.3	579.3	578.1	576.5	575.8	577.5	580.7	583.2	583.2
177.5°	579.3	579.3	579.3	579.3	578.4	577.2	576.5	577.8	580.5	582.4	582.0
180°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6
2.5°	679.5	677.7	679.5	678.2	678.9	677.0	671.4	669.5	671.4	673.3	673.3
5°	687.7	686.4	687.7	687.7	687.0	685.8	679.5	678.2	679.5	680.2	678.9
7.5°	690.2	688.3	690.2	688.9	688.9	687.7	681.4	680.2	680.7	682.6	680.7
10°	690.2	688.3	690.2	689.5	688.9	687.7	681.4	678.9	678.9	680.7	678.9
12.5°	687.0	685.8	687.0	685.8	685.8	684.6	678.2	675.8	676.4	677.0	674.5
15°	682.1	680.2	682.1	680.7	681.4	679.5	672.6	670.1	670.1	671.4	667.0
17.5°	674.5	672.0	674.5	673.9	673.3	672.0	665.7	663.3	662.6	663.3	660.1
20°	665.7	663.8	665.7	665.1	665.1	662.6	656.4	653.2	653.2	653.2	650.1
22.5°	652.0	650.1	652.0	653.2	653.2	652.5	646.9	642.5	641.3	641.3	637.6
25°	636.3	634.4	636.3	636.3	635.6	636.3	634.4	631.9	630.0	628.1	624.4
27.5°	621.2	620.0	621.2	620.0	621.2	619.3	618.7	618.1	615.6	613.7	608.7
30°	606.2	604.9	606.2	604.9	603.6	602.4	599.2	598.0	600.5	599.2	591.1
32.5°	587.4	586.2	587.4	587.4	586.2	586.2	581.1	579.2	579.9	583.6	576.1
35°	567.9	566.1	567.9	567.3	567.9	566.1	562.9	562.3	559.8	564.2	558.6
37.5°	545.4	543.5	545.4	545.4	545.4	546.6	544.1	542.2	538.5	544.1	539.7
40°	522.2	519.7	522.2	521.6	522.2	523.4	522.2	520.9	517.2	521.6	517.8
42.5°	495.9	495.2	495.9	496.5	496.5	498.9	500.9	498.4	497.1	494.0	496.5
45°	467.6	466.4	467.6	468.8	469.5	470.8	476.4	476.4	474.6	469.5	473.2
47.5°	437.5	434.5	437.5	441.3	441.3	443.2	448.8	453.2	450.1	443.8	445.7
50°	405.6	406.2	405.6	408.1	408.1	415.0	419.4	423.8	426.9	419.4	410.6
52.5°	374.3	373.6	374.3	376.1	378.6	381.7	389.3	393.7	398.7	394.3	380.5
55°	342.9	344.2	342.9	343.5	344.8	346.7	357.9	362.3	371.7	366.1	351.6
57.5°	311.5	309.7	311.5	312.8	313.4	315.3	324.7	332.8	338.6	339.1	321.5
60°	275.2	272.7	275.2	280.9	282.1	283.3	292.1	299.7	304.6	306.5	288.4
62.5°	243.2	238.8	243.2	246.9	249.5	252.7	258.9	270.2	274.5	275.2	249.5
65°	209.4	207.5	209.4	216.9	217.5	221.2	228.2	236.3	245.7	244.5	207.5
67.5°	178.6	178.6	178.6	183.7	187.4	189.3	198.1	201.9	213.8	215.0	173.0
70°	150.5	149.8	150.5	154.2	156.8	161.1	169.3	173.7	183.0	186.2	140.4
72.5°	123.5	122.8	123.5	126.7	129.2	132.9	139.8	144.8	152.9	156.8	109.1
75°	99.6	98.4	99.6	102.2	101.5	106.6	112.2	117.2	124.8	127.2	80.9
77.5°	76.5	76.5	76.5	79.0	79.0	84.0	86.6	92.8	97.2	100.9	59.5
80°	57.0	56.5	57.0	57.7	57.7	60.2	64.6	69.0	72.7	72.7	40.8
82.5°	40.1	38.9	40.1	40.1	40.1	41.4	43.8	45.1	47.7	49.5	25.7
85°	25.1	25.1	25.1	25.7	25.1	26.4	26.9	28.2	28.2	26.9	15.7
87.5°	16.3	15.7	16.3	15.7	15.7	15.0	15.0	15.0	14.4	13.8	8.8
90°	14.8	14.8	14.8	14.8	14.8	19.7	26.3	29.5	25.4	17.1	10.8
92.5°	59.2	47.4	59.2	70.9	73.8	104.7	145.8	166.4	146.1	105.5	75.1
95°	206.3	170.7	206.3	241.9	250.8	329.3	434.0	486.3	410.7	259.6	146.2
97.5°	494.2	426.5	494.2	561.9	578.9	628.5	694.7	727.8	601.8	349.7	160.6
100°	712.1	631.4	712.1	792.7	812.9	809.3	804.5	802.1	662.2	382.5	172.6
102.5°	926.4	857.3	926.4	995.5	1012.8	949.6	865.3	823.1	681.2	397.5	184.7
105°	1199.6	1162.5	1199.6	1236.8	1246.1	1104.3	915.3	820.8	683.4	408.7	202.6
107.5°	1378.6	1387.6	1378.6	1369.6	1367.4	1169.6	905.9	774.0	652.9	410.7	229.0
110°	1446.8	1485.5	1446.8	1408.1	1398.4	1177.4	882.5	735.1	626.0	407.5	243.8

TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1452.9	1512.4	1452.9	1393.5	1378.6	1152.3	850.7	699.8	602.4	407.7	261.6
115°	1414.4	1496.8	1414.4	1332.0	1311.4	1093.4	802.8	657.5	575.5	411.5	288.5
117.5°	1332.7	1424.1	1332.7	1241.3	1218.5	1021.7	759.4	628.3	558.6	419.1	314.5
120°	1266.9	1355.7	1266.9	1178.1	1155.9	976.1	736.5	616.6	552.9	425.3	329.7
122.5°	1202.8	1290.4	1202.8	1115.1	1093.2	931.3	715.5	607.7	549.9	434.3	347.6
125°	1111.3	1192.0	1111.3	1030.6	1010.4	872.9	689.6	597.9	547.4	446.3	370.5
127.5°	1029.1	1097.2	1029.1	961.0	944.0	825.9	668.5	589.8	546.0	458.4	392.7
130°	980.6	1043.5	980.6	917.7	902.0	796.9	656.8	586.7	546.9	467.2	407.4
132.5°	936.6	992.9	936.6	880.3	866.2	772.1	646.6	583.9	547.4	474.3	419.5
135°	876.3	924.9	876.3	827.8	815.6	736.8	631.9	579.3	546.9	482.1	433.5
137.5°	828.1	867.8	828.1	788.2	778.3	711.7	622.9	578.5	550.3	493.7	451.4
140°	794.9	832.0	794.9	757.7	748.4	690.8	614.1	575.8	550.8	500.9	463.4
142.5°	767.4	799.4	767.4	735.4	727.4	676.8	609.4	575.8	552.8	506.9	472.4
145°	726.2	750.4	726.2	702.0	695.9	654.6	599.5	571.9	552.9	514.6	486.0
147.5°	694.6	714.6	694.6	674.6	669.5	637.0	593.6	571.9	556.6	526.1	503.1
150°	674.6	690.8	674.6	658.3	654.3	626.8	590.3	571.9	558.7	532.0	512.0
152.5°	657.6	669.9	657.6	645.3	642.2	618.8	587.6	571.9	559.9	535.9	517.8
155°	638.0	646.2	638.0	629.9	627.8	609.2	584.4	571.9	562.8	544.5	530.7
157.5°	622.6	628.3	622.6	616.8	615.4	600.9	581.6	571.9	565.6	553.0	543.5
160°	613.4	616.6	613.4	610.1	609.2	596.8	580.3	571.9	566.9	556.9	549.3
162.5°	607.3	610.4	607.3	604.1	603.4	592.9	579.0	571.9	568.3	561.0	555.6
165°	598.6	601.9	598.6	595.3	594.5	587.0	577.0	571.9	570.3	567.0	564.5
167.5°	592.2	593.6	592.2	590.9	590.5	585.6	579.1	575.8	574.4	571.7	569.6
170°	590.5	590.5	590.5	590.5	590.5	585.6	579.1	575.8	575.7	575.5	575.4
172.5°	586.0	584.8	586.0	587.2	587.5	583.5	578.4	575.8	575.8	575.8	575.8
175°	583.2	583.2	583.2	583.2	583.2	580.7	577.5	575.8	576.5	578.1	579.3
177.5°	580.7	579.3	580.7	582.0	582.4	580.5	577.8	576.5	577.2	578.4	579.3
180°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3

TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6
2.5°	672.0	668.2	668.2	662.0	659.4	657.6	654.5	645.0	642.5	640.0	643.8
5°	677.7	670.7	665.7	654.5	645.0	641.3	629.3	606.8	591.8	580.5	574.2
7.5°	678.9	670.1	660.7	643.2	620.6	610.5	574.2	532.9	521.6	511.6	505.2
10°	677.7	667.6	654.5	628.1	574.8	557.3	520.9	494.0	487.1	485.2	487.1
12.5°	673.3	663.8	645.7	601.8	527.2	515.3	494.0	478.3	477.1	480.2	497.1
15°	665.7	656.9	635.6	566.7	500.9	492.1	477.1	471.4	478.3	500.3	551.0
17.5°	658.2	648.2	621.9	532.2	480.8	474.6	463.9	475.2	514.0	543.5	560.4
20°	648.2	636.3	606.2	507.2	466.4	460.7	455.8	506.5	536.0	546.6	556.1
22.5°	636.3	623.7	584.8	489.6	451.4	447.0	450.1	524.1	536.0	543.5	551.7
25°	620.6	609.9	559.8	475.8	439.4	434.5	446.3	522.2	529.0	530.9	547.3
27.5°	606.2	592.4	533.4	463.2	425.0	423.1	449.5	514.0	519.0	520.9	538.5
30°	588.6	567.9	504.0	450.1	410.0	409.3	450.1	504.0	502.8	507.7	525.3
32.5°	570.5	531.6	470.8	433.8	395.6	394.9	445.7	488.9	487.7	494.6	507.7
35°	553.5	503.3	425.7	415.0	377.3	378.0	435.0	471.4	472.0	478.3	486.4
37.5°	536.0	478.9	376.1	394.3	359.9	359.9	420.6	455.1	453.9	455.8	467.0
40°	515.3	440.7	332.2	367.3	343.5	341.6	403.0	437.5	433.1	432.6	448.2
42.5°	493.3	398.7	299.7	331.6	324.7	322.2	381.7	416.2	408.1	410.0	430.1
45°	469.5	387.4	274.5	280.2	305.3	303.4	358.6	391.8	386.1	391.2	411.8
47.5°	445.7	364.8	266.4	232.6	284.6	284.0	332.8	368.0	364.8	369.9	391.8
50°	413.1	339.8	265.8	199.4	261.4	263.9	302.2	344.8	344.8	349.2	372.4
52.5°	371.1	309.0	241.3	180.5	234.4	242.0	275.2	324.7	325.9	330.3	351.1
55°	332.8	277.0	223.8	166.1	202.5	218.8	248.8	304.1	306.5	310.9	329.8
57.5°	297.8	230.7	220.0	149.2	173.0	188.7	225.6	284.0	285.2	289.0	307.1
60°	260.1	166.8	201.9	131.0	147.3	159.2	204.3	260.1	264.5	267.0	282.7
62.5°	217.5	121.0	183.0	118.5	134.8	137.3	186.8	237.6	243.2	245.1	254.5
65°	154.9	101.5	155.4	107.9	121.6	122.3	168.0	214.4	219.4	222.6	229.5
67.5°	104.7	82.7	118.5	97.8	111.6	112.2	149.8	187.4	194.3	196.8	201.2
70°	72.7	55.1	87.8	87.1	100.3	101.5	130.4	163.0	169.3	171.1	173.7
72.5°	53.3	44.5	72.7	78.3	88.4	89.6	110.3	135.4	141.7	143.6	144.8
75°	40.8	47.0	58.9	68.3	75.2	75.8	90.3	110.3	114.7	116.0	116.6
77.5°	32.6	43.8	43.3	55.1	61.4	60.2	70.9	85.2	89.0	89.0	89.0
80°	24.5	34.5	32.6	39.5	45.1	43.8	50.8	60.8	62.1	63.3	62.7
82.5°	18.1	22.0	22.0	25.1	30.1	28.9	33.8	39.5	39.5	39.5	40.8
85°	11.3	12.5	10.0	13.2	16.9	16.3	18.8	21.3	22.0	22.0	20.7
87.5°	6.9	5.6	3.2	5.0	7.5	7.5	8.8	9.4	8.8	8.8	8.8
90°	10.1	7.0	3.9	7.0	10.1	10.8	17.1	25.4	29.5	26.3	19.7
92.5°	68.4	42.0	15.5	42.0	68.4	75.1	105.5	146.1	166.4	145.8	104.7
95°	134.1	85.7	37.3	85.7	134.1	146.2	259.6	410.7	486.3	434.0	329.3
97.5°	149.9	107.2	64.5	107.2	149.9	160.6	349.7	601.8	727.8	694.7	628.5
100°	162.9	124.2	85.5	124.2	162.9	172.6	382.5	662.2	802.1	804.5	809.3
102.5°	175.6	139.6	103.4	139.6	175.6	184.7	397.5	681.2	823.1	865.3	949.6
105°	194.9	164.3	133.8	164.3	194.9	202.6	408.7	683.4	820.8	915.3	1104.3
107.5°	221.9	193.4	164.9	193.4	221.9	229.0	410.7	652.9	774.0	905.9	1169.6
110°	237.3	211.6	185.8	211.6	237.3	243.8	407.5	626.0	735.1	882.5	1177.4

TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	255.5	231.0	206.5	231.0	255.5	261.6	407.7	602.4	699.8	850.7	1152.3
115°	282.7	260.1	237.5	260.1	282.7	288.5	411.5	575.5	657.5	802.8	1093.4
117.5°	309.4	288.8	268.3	288.8	309.4	314.5	419.1	558.6	628.3	759.4	1021.7
120°	324.8	305.5	286.1	305.5	324.8	329.7	425.3	552.9	616.6	736.5	976.1
122.5°	342.8	323.2	303.7	323.2	342.8	347.6	434.3	549.9	607.7	715.5	931.3
125°	366.0	348.3	330.5	348.3	366.0	370.5	446.3	547.4	597.9	689.6	872.9
127.5°	388.2	370.1	352.2	370.1	388.2	392.7	458.4	546.0	589.8	668.5	825.9
130°	402.6	383.2	363.9	383.2	402.6	407.4	467.2	546.9	586.7	656.8	796.9
132.5°	414.6	395.3	375.9	395.3	414.6	419.5	474.3	547.4	583.9	646.6	772.1
135°	429.1	411.5	393.9	411.5	429.1	433.5	482.1	546.9	579.3	631.9	736.8
137.5°	447.0	429.6	412.1	429.6	447.0	451.4	493.7	550.3	578.5	622.9	711.7
140°	459.4	443.3	427.3	443.3	459.4	463.4	500.9	550.8	575.8	614.1	690.8
142.5°	468.7	453.8	438.9	453.8	468.7	472.4	506.9	552.8	575.8	609.4	676.8
145°	482.7	469.8	456.8	469.8	482.7	486.0	514.6	552.9	571.9	599.5	654.6
147.5°	499.9	487.4	474.7	487.4	499.9	503.1	526.1	556.6	571.9	593.6	637.0
150°	509.1	497.7	486.3	497.7	509.1	512.0	532.0	558.7	571.9	590.3	626.8
152.5°	515.7	507.0	498.4	507.0	515.7	517.8	535.9	559.9	571.9	587.6	618.8
155°	529.1	522.7	516.3	522.7	529.1	530.7	544.5	562.8	571.9	584.4	609.2
157.5°	541.9	535.8	529.5	535.8	541.9	543.5	553.0	565.6	571.9	581.6	600.9
160°	548.1	543.3	538.5	543.3	548.1	549.3	556.9	566.9	571.9	580.3	596.8
162.5°	554.7	551.0	547.4	551.0	554.7	555.6	561.0	568.3	571.9	579.0	592.9
165°	563.6	560.4	557.1	560.4	563.6	564.5	567.0	570.3	571.9	577.0	587.0
167.5°	569.2	567.6	566.1	567.6	569.2	569.6	571.7	574.4	575.8	579.1	585.6
170°	575.0	573.4	571.9	573.4	575.0	575.4	575.5	575.7	575.8	579.1	585.6
172.5°	575.7	575.4	575.0	575.4	575.7	575.8	575.8	575.8	575.8	578.4	583.5
175°	579.3	579.3	579.3	579.3	579.3	579.3	578.1	576.5	575.8	577.5	580.7
177.5°	579.3	579.3	579.3	579.3	579.3	579.3	578.4	577.2	576.5	577.8	580.5
180°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3

TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6	662.6
2.5°	639.4	637.6	640.0	633.2	640.0	637.6	639.4	643.8	640.0	642.5	645.0
5°	561.0	557.9	547.9	539.7	547.9	557.9	561.0	574.2	580.5	591.8	606.8
7.5°	501.5	498.9	496.5	491.5	496.5	498.9	501.5	505.2	511.6	521.6	532.9
10°	488.3	488.9	492.7	492.1	492.7	488.9	488.3	487.1	485.2	487.1	494.0
12.5°	522.2	527.8	548.5	547.3	548.5	527.8	522.2	497.1	480.2	477.1	478.3
15°	561.0	562.9	567.3	567.9	567.3	562.9	561.0	551.0	500.3	478.3	471.4
17.5°	564.8	565.4	568.6	568.6	568.6	565.4	564.8	560.4	543.5	514.0	475.2
20°	561.7	562.9	569.2	570.5	569.2	562.9	561.7	556.1	546.6	536.0	506.5
22.5°	560.4	562.9	567.9	567.3	567.9	562.9	560.4	551.7	543.5	536.0	524.1
25°	554.2	554.2	554.7	555.4	554.7	554.2	554.2	547.3	530.9	529.0	522.2
27.5°	541.0	542.2	546.0	545.4	546.0	542.2	541.0	538.5	520.9	519.0	514.0
30°	529.0	527.8	524.7	522.2	524.7	527.8	529.0	525.3	507.7	502.8	504.0
32.5°	509.0	505.9	502.8	500.9	502.8	505.9	509.0	507.7	494.6	487.7	488.9
35°	485.2	485.9	485.2	483.3	485.2	485.9	485.2	486.4	478.3	472.0	471.4
37.5°	468.3	469.5	468.8	466.4	468.8	469.5	468.3	467.0	455.8	453.9	455.1
40°	450.7	451.4	450.7	448.8	450.7	451.4	450.7	448.2	432.6	433.1	437.5
42.5°	433.8	433.1	431.3	430.1	431.3	433.1	433.8	430.1	410.0	408.1	416.2
45°	414.4	415.0	411.2	409.3	411.2	415.0	414.4	411.8	391.2	386.1	391.8
47.5°	394.9	394.9	391.8	389.9	391.8	394.9	394.9	391.8	369.9	364.8	368.0
50°	374.3	373.6	369.2	368.6	369.2	373.6	374.3	372.4	349.2	344.8	344.8
52.5°	350.4	350.4	351.1	352.3	351.1	350.4	350.4	351.1	330.3	325.9	324.7
55°	329.8	330.3	334.7	336.0	334.7	330.3	329.8	329.8	310.9	306.5	304.1
57.5°	308.5	308.5	311.5	311.5	311.5	308.5	308.5	307.1	289.0	285.2	284.0
60°	284.0	285.2	287.7	287.1	287.7	285.2	284.0	282.7	267.0	264.5	260.1
62.5°	258.3	259.6	260.1	258.9	260.1	259.6	258.3	254.5	245.1	243.2	237.6
65°	231.3	232.6	233.2	231.9	233.2	232.6	231.3	229.5	222.6	219.4	214.4
67.5°	203.8	203.1	202.5	205.0	202.5	203.1	203.8	201.2	196.8	194.3	187.4
70°	175.5	175.5	174.9	176.2	174.9	175.5	175.5	173.7	171.1	169.3	163.0
72.5°	145.4	144.8	147.3	145.4	147.3	144.8	145.4	144.8	143.6	141.7	135.4
75°	116.0	117.2	116.0	117.9	116.0	117.2	116.0	116.6	116.0	114.7	110.3
77.5°	88.4	89.6	88.4	88.4	88.4	89.6	88.4	89.0	89.0	89.0	85.2
80°	62.7	62.1	62.1	61.4	62.1	62.1	62.7	62.7	63.3	62.1	60.8
82.5°	40.1	39.5	39.5	40.8	39.5	39.5	40.1	40.8	39.5	39.5	39.5
85°	22.0	22.5	21.3	21.3	21.3	22.5	22.0	20.7	22.0	22.0	21.3
87.5°	8.1	7.5	7.5	7.5	7.5	7.5	8.1	8.8	8.8	8.8	9.4
90°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	19.7	26.3	29.5	25.4
92.5°	73.8	70.9	59.2	47.4	59.2	70.9	73.8	104.7	145.8	166.4	146.1
95°	250.8	241.9	206.3	170.7	206.3	241.9	250.8	329.3	434.0	486.3	410.7
97.5°	578.9	561.9	494.2	426.5	494.2	561.9	578.9	628.5	694.7	727.8	601.8
100°	812.9	792.7	712.1	631.4	712.1	792.7	812.9	809.3	804.5	802.1	662.2
102.5°	1012.8	995.5	926.4	857.3	926.4	995.5	1012.8	949.6	865.3	823.1	681.2
105°	1246.1	1236.8	1199.6	1162.5	1199.6	1236.8	1246.1	1104.3	915.3	820.8	683.4
107.5°	1367.4	1369.6	1378.6	1387.6	1378.6	1369.6	1367.4	1169.6	905.9	774.0	652.9
110°	1398.4	1408.1	1446.8	1485.5	1446.8	1408.1	1398.4	1177.4	882.5	735.1	626.0

TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1378.6	1393.5	1452.9	1512.4	1452.9	1393.5	1378.6	1152.3	850.7	699.8	602.4
115°	1311.4	1332.0	1414.4	1496.8	1414.4	1332.0	1311.4	1093.4	802.8	657.5	575.5
117.5°	1218.5	1241.3	1332.7	1424.1	1332.7	1241.3	1218.5	1021.7	759.4	628.3	558.6
120°	1155.9	1178.1	1266.9	1355.7	1266.9	1178.1	1155.9	976.1	736.5	616.6	552.9
122.5°	1093.2	1115.1	1202.8	1290.4	1202.8	1115.1	1093.2	931.3	715.5	607.7	549.9
125°	1010.4	1030.6	1111.3	1192.0	1111.3	1030.6	1010.4	872.9	689.6	597.9	547.4
127.5°	944.0	961.0	1029.1	1097.2	1029.1	961.0	944.0	825.9	668.5	589.8	546.0
130°	902.0	917.7	980.6	1043.5	980.6	917.7	902.0	796.9	656.8	586.7	546.9
132.5°	866.2	880.3	936.6	992.9	936.6	880.3	866.2	772.1	646.6	583.9	547.4
135°	815.6	827.8	876.3	924.9	876.3	827.8	815.6	736.8	631.9	579.3	546.9
137.5°	778.3	788.2	828.1	867.8	828.1	788.2	778.3	711.7	622.9	578.5	550.3
140°	748.4	757.7	794.9	832.0	794.9	757.7	748.4	690.8	614.1	575.8	550.8
142.5°	727.4	735.4	767.4	799.4	767.4	735.4	727.4	676.8	609.4	575.8	552.8
145°	695.9	702.0	726.2	750.4	726.2	702.0	695.9	654.6	599.5	571.9	552.9
147.5°	669.5	674.6	694.6	714.6	694.6	674.6	669.5	637.0	593.6	571.9	556.6
150°	654.3	658.3	674.6	690.8	674.6	658.3	654.3	626.8	590.3	571.9	558.7
152.5°	642.2	645.3	657.6	669.9	657.6	645.3	642.2	618.8	587.6	571.9	559.9
155°	627.8	629.9	638.0	646.2	638.0	629.9	627.8	609.2	584.4	571.9	562.8
157.5°	615.4	616.8	622.6	628.3	622.6	616.8	615.4	600.9	581.6	571.9	565.6
160°	609.2	610.1	613.4	616.6	613.4	610.1	609.2	596.8	580.3	571.9	566.9
162.5°	603.4	604.1	607.3	610.4	607.3	604.1	603.4	592.9	579.0	571.9	568.3
165°	594.5	595.3	598.6	601.9	598.6	595.3	594.5	587.0	577.0	571.9	570.3
167.5°	590.5	590.9	592.2	593.6	592.2	590.9	590.5	585.6	579.1	575.8	574.4
170°	590.5	590.5	590.5	590.5	590.5	590.5	590.5	585.6	579.1	575.8	575.7
172.5°	587.5	587.2	586.0	584.8	586.0	587.2	587.5	583.5	578.4	575.8	575.8
175°	583.2	583.2	583.2	583.2	583.2	583.2	583.2	580.7	577.5	575.8	576.5
177.5°	582.4	582.0	580.7	579.3	580.7	582.0	582.4	580.5	577.8	576.5	577.2
180°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3

TEST NUMBER: P935035

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	662.6	662.6	662.6	662.6	662.6
2.5°	654.5	657.6	659.4	662.0	668.2
5°	629.3	641.3	645.0	654.5	665.7
7.5°	574.2	610.5	620.6	643.2	660.7
10°	520.9	557.3	574.8	628.1	654.5
12.5°	494.0	515.3	527.2	601.8	645.7
15°	477.1	492.1	500.9	566.7	635.6
17.5°	463.9	474.6	480.8	532.2	621.9
20°	455.8	460.7	466.4	507.2	606.2
22.5°	450.1	447.0	451.4	489.6	584.8
25°	446.3	434.5	439.4	475.8	559.8
27.5°	449.5	423.1	425.0	463.2	533.4
30°	450.1	409.3	410.0	450.1	504.0
32.5°	445.7	394.9	395.6	433.8	470.8
35°	435.0	378.0	377.3	415.0	425.7
37.5°	420.6	359.9	359.9	394.3	376.1
40°	403.0	341.6	343.5	367.3	332.2
42.5°	381.7	322.2	324.7	331.6	299.7
45°	358.6	303.4	305.3	280.2	274.5
47.5°	332.8	284.0	284.6	232.6	266.4
50°	302.2	263.9	261.4	199.4	265.8
52.5°	275.2	242.0	234.4	180.5	241.3
55°	248.8	218.8	202.5	166.1	223.8
57.5°	225.6	188.7	173.0	149.2	220.0
60°	204.3	159.2	147.3	131.0	201.9
62.5°	186.8	137.3	134.8	118.5	183.0
65°	168.0	122.3	121.6	107.9	155.4
67.5°	149.8	112.2	111.6	97.8	118.5
70°	130.4	101.5	100.3	87.1	87.8
72.5°	110.3	89.6	88.4	78.3	72.7
75°	90.3	75.8	75.2	68.3	58.9
77.5°	70.9	60.2	61.4	55.1	43.3
80°	50.8	43.8	45.1	39.5	32.6
82.5°	33.8	28.9	30.1	25.1	22.0
85°	18.8	16.3	16.9	13.2	10.0
87.5°	8.8	7.5	7.5	5.0	3.2
90°	17.1	10.8	10.1	7.0	3.9
92.5°	105.5	75.1	68.4	42.0	15.5
95°	259.6	146.2	134.1	85.7	37.3
97.5°	349.7	160.6	149.9	107.2	64.5
100°	382.5	172.6	162.9	124.2	85.5
102.5°	397.5	184.7	175.6	139.6	103.4
105°	408.7	202.6	194.9	164.3	133.8
107.5°	410.7	229.0	221.9	193.4	164.9
110°	407.5	243.8	237.3	211.6	185.8



TEST NUMBER: P935035

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	407.7	261.6	255.5	231.0	206.5
115°	411.5	288.5	282.7	260.1	237.5
117.5°	419.1	314.5	309.4	288.8	268.3
120°	425.3	329.7	324.8	305.5	286.1
122.5°	434.3	347.6	342.8	323.2	303.7
125°	446.3	370.5	366.0	348.3	330.5
127.5°	458.4	392.7	388.2	370.1	352.2
130°	467.2	407.4	402.6	383.2	363.9
132.5°	474.3	419.5	414.6	395.3	375.9
135°	482.1	433.5	429.1	411.5	393.9
137.5°	493.7	451.4	447.0	429.6	412.1
140°	500.9	463.4	459.4	443.3	427.3
142.5°	506.9	472.4	468.7	453.8	438.9
145°	514.6	486.0	482.7	469.8	456.8
147.5°	526.1	503.1	499.9	487.4	474.7
150°	532.0	512.0	509.1	497.7	486.3
152.5°	535.9	517.8	515.7	507.0	498.4
155°	544.5	530.7	529.1	522.7	516.3
157.5°	553.0	543.5	541.9	535.8	529.5
160°	556.9	549.3	548.1	543.3	538.5
162.5°	561.0	555.6	554.7	551.0	547.4
165°	567.0	564.5	563.6	560.4	557.1
167.5°	571.7	569.6	569.2	567.6	566.1
170°	575.5	575.4	575.0	573.4	571.9
172.5°	575.8	575.8	575.7	575.4	575.0
175°	578.1	579.3	579.3	579.3	579.3
177.5°	578.4	579.3	579.3	579.3	579.3
180°	579.3	579.3	579.3	579.3	579.3

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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	9.08	9.80	10.18	10.89	12.41	11.88	12.59	12.98	13.69	15.21
	3H	9.55	10.19	10.66	11.29	12.82	13.20	13.84	14.31	14.95	16.48
	4H	9.73	10.34	10.85	11.45	12.98	13.63	14.24	14.75	15.35	16.88
	6H	9.84	10.40	10.97	11.51	13.06	13.90	14.46	15.03	15.57	17.12
	8H	9.84	10.37	10.97	11.50	13.04	13.97	14.50	15.10	15.63	17.17
	12H	9.80	10.31	10.94	11.43	12.99	14.00	14.50	15.13	15.62	17.19
4H	2H	10.09	10.69	11.21	11.80	13.34	12.27	12.88	13.40	13.99	15.52
	3H	11.10	11.61	12.23	12.74	14.29	13.75	14.26	14.89	15.39	16.94
	4H	11.37	11.84	12.51	12.96	14.53	14.27	14.73	15.40	15.86	17.42
	6H	11.49	11.89	12.63	13.03	14.59	14.62	15.01	15.76	16.16	17.72
	8H	11.49	11.86	12.63	13.00	14.58	14.71	15.09	15.86	16.22	17.80
	12H	11.45	11.79	12.61	12.94	14.52	14.76	15.10	15.92	16.25	17.83
8H	4H	11.81	12.18	12.95	13.32	14.89	14.38	14.75	15.52	15.89	17.47
	6H	12.06	12.37	13.23	13.55	15.12	14.80	15.11	15.97	16.29	17.86
	8H	12.10	12.37	13.27	13.53	15.12	14.95	15.22	16.12	16.38	17.97
	12H	12.08	12.32	13.25	13.47	15.10	15.03	15.27	16.21	16.43	18.05
12H	4H	11.80	12.14	12.96	13.29	14.87	14.34	14.68	15.50	15.83	17.41
	6H	12.12	12.39	13.29	13.55	15.14	14.80	15.07	15.97	16.23	17.82
	8H	12.18	12.41	13.35	13.57	15.20	14.95	15.18	16.12	16.34	17.97

END OF REPORT