

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: P934025

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934025
REPORT IS A COMBINATION OF REPORTS P933681 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

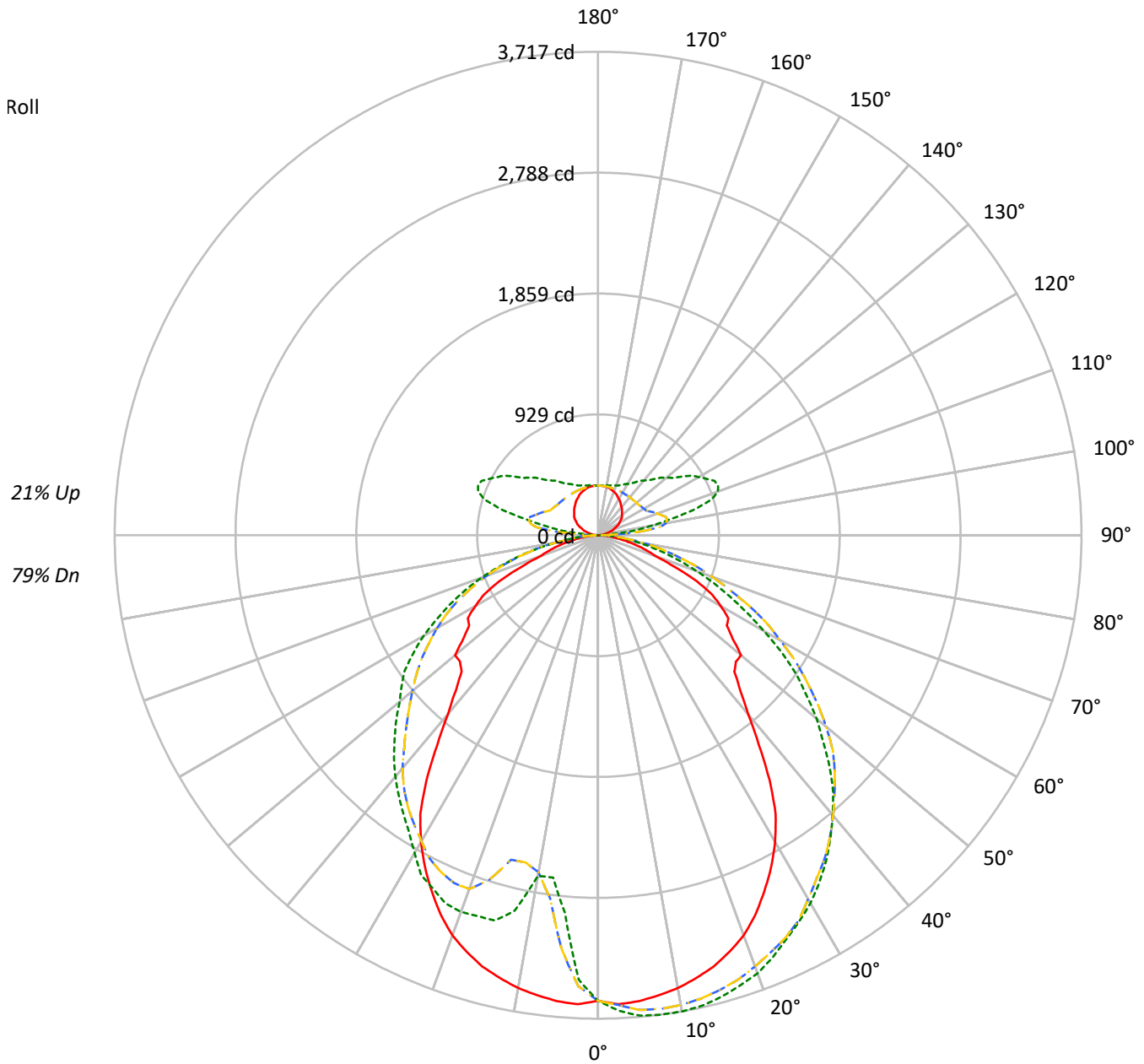
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11758.8 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 116.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934025
CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11069	11069	11069	11069
5°	11156	11173	11156	8786
10°	11085	11006	11085	7869
15°	10968	10768	10968	8991
20°	10743	10485	10743	9010
25°	10278	10073	10278	8819
30°	9675	9731	9675	8400
35°	8630	9298	8630	7939
40°	7195	8789	7195	7591
45°	6433	8193	6433	7191
50°	6839	7482	6839	6789
55°	6441	6716	6441	6557
60°	6648	5704	6648	6005
65°	6037	4715	6037	5271
70°	4191	3757	4191	4418
75°	3688	2777	3688	3326
80°	2993	1836	2993	1999
85°	1756	972	1756	827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9853 cd/sqm



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.0	2.7
10°-20°	917.1	7.8
20°-30°	1417.7	12.1
30°-40°	1692.5	14.4
40°-50°	1702.4	14.5
50°-60°	1481.3	12.6
60°-70°	1050.3	8.9
70°-80°	555.6	4.7
80°-90°	139.8	1.2
90°-100°	186.4	1.6
100°-110°	490.0	4.2
110°-120°	508.1	4.3
120°-130°	407.6	3.5
130°-140°	319.8	2.7
140°-150°	245.5	2.1
150°-160°	176.8	1.5
160°-170°	108.2	0.9
170°-180°	36.5	0.3
0°-30°	2657.9	22.6
0°-40°	4350.4	37.0
0°-60°	7534.1	64.1
0°-90°	9279.8	78.9
90°-120°	1184.6	10.1
90°-150°	2157.4	18.3
90°-180°	2479.0	21.1
0°-180°	11758.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3578	3578	3578	3578	3578	
5°	3596	3707	3596	2915	3596	341
15°	3433	3673	3433	3067	3433	966
25°	3023	3426	3023	3000	3023	1388
35°	2299	3057	2299	2610	2299	1422
45°	1483	2519	1483	2211	1483	1188
55°	1209	1859	1209	1815	1209	1111
65°	840	1121	840	1253	840	802
75°	318	532	318	636	318	335
85°	54	135	54	115	54	73
90°	3	10	3	10	3	4
95°	25	113	25	113	25	27
105°	88	767	88	767	88	94
115°	157	988	157	988	157	155
125°	218	787	218	787	218	194
135°	260	610	260	610	260	201
145°	302	495	302	495	302	189
155°	341	427	341	427	341	157
165°	368	397	368	397	368	104
175°	382	385	382	385	382	36
180°	382	382	382	382	382	



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3608.9	3608.9	3629.3	3636.0	3636.0	3625.9	3615.7	3625.9	3656.4	3666.5	3663.1
5°	3595.5	3622.5	3659.8	3666.5	3673.3	3669.9	3663.1	3669.9	3703.8	3710.5	3713.9
7.5°	3568.3	3619.1	3666.5	3676.7	3686.8	3676.7	3673.3	3680.1	3713.9	3720.7	3720.7
10°	3534.5	3605.6	3659.8	3666.5	3676.7	3666.5	3666.5	3680.1	3713.9	3720.7	3724.1
12.5°	3487.1	3585.3	3636.0	3642.9	3656.4	3652.9	3649.6	3663.1	3697.0	3703.8	3703.8
15°	3432.9	3548.0	3595.5	3602.2	3625.9	3619.1	3619.1	3632.7	3669.9	3680.1	3676.7
17.5°	3358.4	3500.6	3554.8	3565.0	3581.9	3578.5	3581.9	3595.5	3629.3	3636.0	3639.4
20°	3273.8	3436.3	3500.6	3510.8	3527.7	3527.7	3527.7	3544.6	3578.5	3592.0	3592.0
22.5°	3158.7	3368.6	3436.3	3443.1	3463.4	3463.4	3470.2	3493.8	3524.3	3527.7	3527.7
25°	3023.3	3294.1	3351.7	3372.0	3392.3	3402.4	3412.6	3426.2	3436.3	3432.9	3436.3
27.5°	2881.1	3199.3	3273.8	3287.4	3314.4	3324.6	3338.1	3341.5	3344.9	3355.0	3348.3
30°	2721.9	3067.3	3179.0	3192.6	3236.5	3243.3	3229.8	3236.5	3253.5	3260.3	3267.0
32.5°	2542.5	2870.9	3080.8	3111.2	3151.9	3131.6	3128.2	3138.4	3165.5	3165.5	3172.2
35°	2298.8	2718.6	2989.4	3016.5	3046.9	3023.3	3036.8	3040.2	3057.1	3067.3	3063.9
37.5°	2031.3	2586.6	2894.6	2915.0	2938.6	2908.1	2928.5	2938.6	2952.2	2945.4	2945.4
40°	1794.4	2380.0	2782.9	2796.4	2816.7	2793.1	2813.3	2820.2	2826.9	2820.2	2816.7
42.5°	1618.3	2153.2	2664.4	2681.4	2667.8	2684.7	2691.4	2705.0	2694.9	2681.4	2681.4
45°	1482.9	2092.3	2535.7	2556.1	2535.7	2562.8	2573.0	2573.0	2542.5	2535.7	2532.4
47.5°	1438.9	1970.4	2407.1	2407.1	2396.9	2430.8	2447.8	2424.0	2393.5	2383.4	2383.4
50°	1435.4	1834.9	2231.1	2217.5	2264.9	2305.5	2288.6	2264.9	2241.2	2204.0	2204.0
52.5°	1303.4	1669.1	2004.2	2055.0	2129.5	2153.2	2126.1	2102.4	2061.8	2044.9	2031.3
55°	1208.6	1496.4	1797.7	1899.2	1977.1	2007.6	1956.8	1933.1	1872.2	1862.0	1855.3
57.5°	1188.3	1245.8	1608.2	1736.8	1831.6	1828.2	1797.7	1753.7	1702.9	1692.8	1689.4
60°	1090.1	900.5	1405.0	1557.3	1655.6	1645.4	1618.3	1577.7	1530.3	1523.5	1516.7
62.5°	988.6	653.4	1174.8	1347.5	1486.3	1482.9	1459.2	1398.2	1364.4	1347.5	1333.9
65°	839.6	548.4	836.2	1120.6	1320.3	1327.1	1276.3	1232.3	1195.1	1174.8	1171.4
67.5°	639.8	446.9	565.3	934.4	1161.3	1154.4	1090.1	1069.8	1022.4	1012.2	992.0
70°	474.0	297.9	392.7	758.4	1005.5	988.6	937.7	914.1	870.1	846.4	832.9
72.5°	392.7	240.4	287.8	589.1	846.4	826.0	782.0	755.0	717.7	697.4	683.9
75°	318.2	253.9	220.0	436.7	687.2	673.7	633.1	606.0	575.5	548.4	551.9
77.5°	233.6	237.0	176.0	321.7	545.1	524.8	501.0	467.2	453.6	426.6	426.6
80°	176.0	186.2	132.0	220.0	392.7	392.7	372.4	348.7	325.0	311.5	311.5
82.5°	118.5	118.5	98.1	138.8	267.4	257.3	243.8	237.0	223.4	216.7	216.7
85°	54.2	67.7	60.9	84.6	145.5	152.4	152.4	145.5	142.2	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.9	81.2	81.2	81.2	84.6	84.6
90°	2.6	4.6	6.7	7.2	11.3	16.7	19.5	17.3	13.0	9.7	9.7
92.5°	10.2	27.7	45.2	49.5	69.6	96.4	109.8	96.3	69.1	48.8	46.8
95°	24.6	56.5	88.5	96.5	171.3	271.2	321.1	286.5	217.4	165.5	159.6
97.5°	42.6	70.8	99.0	106.0	230.8	397.3	480.4	458.6	414.9	382.1	370.9
100°	56.5	82.0	107.5	113.9	252.5	437.1	529.5	531.1	534.3	536.6	523.3
102.5°	68.2	92.1	115.9	121.9	262.4	449.7	543.3	571.2	626.8	668.5	657.1
105°	88.3	108.5	128.6	133.7	269.7	451.1	541.8	604.1	728.9	822.5	816.4
107.5°	108.8	127.6	146.5	151.2	271.1	431.0	510.9	598.0	772.0	902.6	904.1
110°	122.7	139.6	156.6	160.9	269.1	413.2	485.3	582.6	777.2	923.1	929.5



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	136.3	152.5	168.7	172.7	269.1	397.7	462.0	561.6	760.7	910.1	919.9
115°	156.8	171.8	186.7	190.5	271.6	379.8	434.0	529.9	721.7	865.7	879.2
117.5°	177.1	190.6	204.2	207.6	276.7	368.7	414.8	501.4	674.5	804.3	819.5
120°	188.8	201.7	214.5	217.6	280.8	364.9	407.0	486.1	644.4	763.0	777.7
122.5°	200.5	213.4	226.2	229.4	286.6	362.9	401.1	472.3	614.8	721.7	736.1
125°	218.1	229.9	241.7	244.6	294.7	361.4	394.7	455.2	576.2	667.0	680.3
127.5°	232.5	244.4	256.2	259.2	302.6	360.4	389.3	441.2	545.2	623.1	634.4
130°	240.2	253.0	265.8	269.0	308.4	361.0	387.3	433.6	526.1	595.4	605.8
132.5°	248.2	260.9	273.7	276.9	313.1	361.4	385.5	426.9	509.7	571.8	581.1
135°	260.0	271.6	283.2	286.1	318.2	361.0	382.4	417.1	486.4	538.4	546.5
137.5°	272.0	283.6	295.0	297.9	325.9	363.3	381.9	411.2	469.8	513.8	520.3
140°	282.0	292.6	303.3	305.9	330.6	363.6	380.1	405.4	456.0	494.0	500.2
142.5°	289.7	299.5	309.4	311.8	334.6	364.9	380.1	402.3	446.8	480.2	485.5
145°	301.6	310.1	318.7	320.8	339.7	364.9	377.5	395.7	432.1	459.4	463.4
147.5°	313.4	321.7	330.0	332.1	347.2	367.4	377.5	391.9	420.5	441.9	445.3
150°	321.1	328.6	336.1	338.0	351.1	368.7	377.5	389.7	413.8	431.9	434.6
152.5°	329.0	334.7	340.4	341.8	353.7	369.6	377.5	387.9	408.5	424.0	426.0
155°	340.8	345.0	349.3	350.3	359.3	371.5	377.5	385.7	402.2	414.5	415.9
157.5°	349.5	353.6	357.8	358.8	365.1	373.3	377.5	383.9	396.7	406.2	407.2
160°	355.5	358.6	361.9	362.7	367.6	374.2	377.5	383.0	393.9	402.1	402.6
162.5°	361.4	363.8	366.2	366.8	370.3	375.1	377.5	382.1	391.4	398.3	398.8
165°	367.8	369.9	372.1	372.7	374.3	376.4	377.5	380.9	387.4	392.4	392.9
167.5°	373.7	374.7	375.7	376.0	377.4	379.1	380.1	382.2	386.6	389.8	390.1
170°	377.5	378.5	379.6	379.8	379.9	380.0	380.1	382.2	386.6	389.8	389.8
172.5°	379.6	379.8	380.0	380.1	380.1	380.1	380.1	381.8	385.2	387.8	387.6
175°	382.4	382.4	382.4	382.4	381.6	380.6	380.1	381.2	383.3	385.0	385.0
177.5°	382.4	382.4	382.4	382.4	381.8	381.0	380.6	381.5	383.2	384.4	384.2
180°	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3669.9	3659.8	3669.9	3663.1	3666.5	3656.4	3625.9	3615.7	3625.9	3636.0	3636.0
5°	3713.9	3707.2	3713.9	3713.9	3710.5	3703.8	3669.9	3663.1	3669.9	3673.3	3666.5
7.5°	3727.4	3717.3	3727.4	3720.7	3720.7	3713.9	3680.1	3673.3	3676.7	3686.8	3676.7
10°	3727.4	3717.3	3727.4	3724.1	3720.7	3713.9	3680.1	3666.5	3666.5	3676.7	3666.5
12.5°	3710.5	3703.8	3710.5	3703.8	3703.8	3697.0	3663.1	3649.6	3652.9	3656.4	3642.9
15°	3683.4	3673.3	3683.4	3676.7	3680.1	3669.9	3632.7	3619.1	3619.1	3625.9	3602.2
17.5°	3642.9	3629.3	3642.9	3639.4	3636.0	3629.3	3595.5	3581.9	3578.5	3581.9	3565.0
20°	3595.5	3585.3	3595.5	3592.0	3592.0	3578.5	3544.6	3527.7	3527.7	3527.7	3510.8
22.5°	3521.0	3510.8	3521.0	3527.7	3527.7	3524.3	3493.8	3470.2	3463.4	3463.4	3443.1
25°	3436.3	3426.2	3436.3	3436.3	3432.9	3436.3	3426.2	3412.6	3402.4	3392.3	3372.0
27.5°	3355.0	3348.3	3355.0	3348.3	3355.0	3344.9	3341.5	3338.1	3324.6	3314.4	3287.4
30°	3273.8	3267.0	3273.8	3267.0	3260.3	3253.5	3236.5	3229.8	3243.3	3236.5	3192.6
32.5°	3172.2	3165.5	3172.2	3172.2	3165.5	3165.5	3138.4	3128.2	3131.6	3151.9	3111.2
35°	3067.3	3057.1	3067.3	3063.9	3067.3	3057.1	3040.2	3036.8	3023.3	3046.9	3016.5
37.5°	2945.4	2935.2	2945.4	2945.4	2945.4	2952.2	2938.6	2928.5	2908.1	2938.6	2915.0
40°	2820.2	2806.6	2820.2	2816.7	2820.2	2826.9	2820.2	2813.3	2793.1	2816.7	2796.4
42.5°	2677.9	2674.5	2677.9	2681.4	2681.4	2694.9	2705.0	2691.4	2684.7	2667.8	2681.4
45°	2525.6	2518.8	2525.6	2532.4	2535.7	2542.5	2573.0	2573.0	2562.8	2535.7	2556.1
47.5°	2363.1	2346.2	2363.1	2383.4	2383.4	2393.5	2424.0	2447.8	2430.8	2396.9	2407.1
50°	2190.4	2193.8	2190.4	2204.0	2204.0	2241.2	2264.9	2288.6	2305.5	2264.9	2217.5
52.5°	2021.1	2017.8	2021.1	2031.3	2044.9	2061.8	2102.4	2126.1	2153.2	2129.5	2055.0
55°	1851.8	1858.7	1851.8	1855.3	1862.0	1872.2	1933.1	1956.8	2007.6	1977.1	1899.2
57.5°	1682.6	1672.5	1682.6	1689.4	1692.8	1702.9	1753.7	1797.7	1828.2	1831.6	1736.8
60°	1486.3	1472.7	1486.3	1516.7	1523.5	1530.3	1577.7	1618.3	1645.4	1655.6	1557.3
62.5°	1313.6	1289.9	1313.6	1333.9	1347.5	1364.4	1398.2	1459.2	1482.9	1486.3	1347.5
65°	1130.8	1120.6	1130.8	1171.4	1174.8	1195.1	1232.3	1276.3	1327.1	1320.3	1120.6
67.5°	964.9	964.9	964.9	992.0	1012.2	1022.4	1069.8	1090.1	1154.4	1161.3	934.4
70°	812.5	809.1	812.5	832.9	846.4	870.1	914.1	937.7	988.6	1005.5	758.4
72.5°	667.0	663.6	667.0	683.9	697.4	717.7	755.0	782.0	826.0	846.4	589.1
75°	538.3	531.5	538.3	551.9	548.4	575.5	606.0	633.1	673.7	687.2	436.7
77.5°	413.1	413.1	413.1	426.6	426.6	453.6	467.2	501.0	524.8	545.1	321.7
80°	308.1	304.7	308.1	311.5	311.5	325.0	348.7	372.4	392.7	392.7	220.0
82.5°	216.7	209.9	216.7	216.7	216.7	223.4	237.0	243.8	257.3	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.2	145.5	152.4	152.4	145.5	84.6
87.5°	88.1	84.6	88.1	84.6	84.6	81.2	81.2	81.2	77.9	74.5	47.4
90°	9.7	9.7	9.7	9.7	9.7	13.0	17.3	19.5	16.7	11.3	7.2
92.5°	39.1	31.3	39.1	46.8	48.8	69.1	96.3	109.8	96.4	69.6	49.5
95°	136.1	112.7	136.1	159.6	165.5	217.4	286.5	321.1	271.2	171.3	96.5
97.5°	326.3	281.5	326.3	370.9	382.1	414.9	458.6	480.4	397.3	230.8	106.0
100°	470.1	416.8	470.1	523.3	536.6	534.3	531.1	529.5	437.1	252.5	113.9
102.5°	611.5	565.9	611.5	657.1	668.5	626.8	571.2	543.3	449.7	262.4	121.9
105°	791.9	767.3	791.9	816.4	822.5	728.9	604.1	541.8	451.1	269.7	133.7
107.5°	910.1	916.0	910.1	904.1	902.6	772.0	598.0	510.9	431.0	271.1	151.2
110°	955.1	980.6	955.1	929.5	923.1	777.2	582.6	485.3	413.2	269.1	160.9



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	959.1	998.3	959.1	919.9	910.1	760.7	561.6	462.0	397.7	269.1	172.7
115°	933.6	988.1	933.6	879.2	865.7	721.7	529.9	434.0	379.8	271.6	190.5
117.5°	879.8	940.1	879.8	819.5	804.3	674.5	501.4	414.8	368.7	276.7	207.6
120°	836.3	894.9	836.3	777.7	763.0	644.4	486.1	407.0	364.9	280.8	217.6
122.5°	794.0	851.8	794.0	736.1	721.7	614.8	472.3	401.1	362.9	286.6	229.4
125°	733.5	786.8	733.5	680.3	667.0	576.2	455.2	394.7	361.4	294.7	244.6
127.5°	679.3	724.2	679.3	634.4	623.1	545.2	441.2	389.3	360.4	302.6	259.2
130°	647.3	688.9	647.3	605.8	595.4	526.1	433.6	387.3	361.0	308.4	269.0
132.5°	618.3	655.5	618.3	581.1	571.8	509.7	426.9	385.5	361.4	313.1	276.9
135°	578.5	610.5	578.5	546.5	538.4	486.4	417.1	382.4	361.0	318.2	286.1
137.5°	546.6	572.9	546.6	520.3	513.8	469.8	411.2	381.9	363.3	325.9	297.9
140°	524.7	549.2	524.7	500.2	494.0	456.0	405.4	380.1	363.6	330.6	305.9
142.5°	506.6	527.7	506.6	485.5	480.2	446.8	402.3	380.1	364.9	334.6	311.8
145°	479.3	495.3	479.3	463.4	459.4	432.1	395.7	377.5	364.9	339.7	320.8
147.5°	458.5	471.7	458.5	445.3	441.9	420.5	391.9	377.5	367.4	347.2	332.1
150°	445.3	456.0	445.3	434.6	431.9	413.8	389.7	377.5	368.7	351.1	338.0
152.5°	434.1	442.2	434.1	426.0	424.0	408.5	387.9	377.5	369.6	353.7	341.8
155°	421.2	426.6	421.2	415.9	414.5	402.2	385.7	377.5	371.5	359.3	350.3
157.5°	411.0	414.8	411.0	407.2	406.2	396.7	383.9	377.5	373.3	365.1	358.8
160°	404.9	407.0	404.9	402.6	402.1	393.9	383.0	377.5	374.2	367.6	362.7
162.5°	400.8	402.9	400.8	398.8	398.3	391.4	382.1	377.5	375.1	370.3	366.8
165°	395.1	397.3	395.1	392.9	392.4	387.4	380.9	377.5	376.4	374.3	372.7
167.5°	390.9	391.9	390.9	390.1	389.8	386.6	382.2	380.1	379.1	377.4	376.0
170°	389.8	389.8	389.8	389.8	389.8	386.6	382.2	380.1	380.0	379.9	379.8
172.5°	386.7	386.0	386.7	387.6	387.8	385.2	381.8	380.1	380.1	380.1	380.1
175°	385.0	385.0	385.0	385.0	385.0	383.3	381.2	380.1	380.6	381.6	382.4
177.5°	383.3	382.4	383.3	384.2	384.4	383.2	381.5	380.6	381.0	381.8	382.4
180°	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3629.3	3608.9	3608.9	3575.1	3561.5	3551.4	3534.5	3483.7	3470.2	3456.6	3476.9
5°	3659.8	3622.5	3595.5	3534.5	3483.7	3463.4	3399.1	3277.2	3195.9	3135.0	3101.2
7.5°	3666.5	3619.1	3568.3	3473.6	3351.7	3297.5	3101.2	2877.7	2816.7	2762.6	2728.7
10°	3659.8	3605.6	3534.5	3392.3	3104.5	3009.7	2813.3	2667.8	2630.5	2620.4	2630.5
12.5°	3636.0	3585.3	3487.1	3250.1	2847.2	2782.9	2667.8	2583.1	2576.4	2593.3	2684.7
15°	3595.5	3548.0	3432.9	3060.5	2705.0	2657.6	2576.4	2545.9	2583.1	2701.6	2975.9
17.5°	3554.8	3500.6	3358.4	2874.3	2596.7	2562.8	2505.2	2566.2	2776.1	2935.2	3026.7
20°	3500.6	3436.3	3273.8	2738.8	2518.8	2488.3	2461.3	2735.5	2894.6	2952.2	3002.9
22.5°	3436.3	3368.6	3158.7	2644.1	2437.6	2413.9	2430.8	2830.3	2894.6	2935.2	2979.3
25°	3351.7	3294.1	3023.3	2569.6	2373.3	2346.2	2410.5	2820.2	2857.4	2867.6	2955.5
27.5°	3273.8	3199.3	2881.1	2501.9	2295.4	2285.2	2427.4	2776.1	2803.2	2813.3	2908.1
30°	3179.0	3067.3	2721.9	2430.8	2214.2	2210.7	2430.8	2721.9	2715.2	2742.3	2837.1
32.5°	3080.8	2870.9	2542.5	2342.8	2136.3	2132.8	2407.1	2640.7	2634.0	2671.2	2742.3
35°	2989.4	2718.6	2298.8	2241.2	2038.1	2041.5	2349.5	2545.9	2549.3	2583.1	2627.1
37.5°	2894.6	2586.6	2031.3	2129.5	1943.3	1943.3	2271.6	2457.9	2451.1	2461.3	2522.2
40°	2782.9	2380.0	1794.4	1983.9	1855.3	1845.1	2176.9	2363.1	2339.4	2336.0	2420.7
42.5°	2664.4	2153.2	1618.3	1790.9	1753.7	1740.1	2061.8	2248.0	2204.0	2214.2	2322.5
45°	2535.7	2092.3	1482.9	1513.3	1648.7	1638.6	1936.5	2115.9	2085.4	2112.6	2224.3
47.5°	2407.1	1970.4	1438.9	1256.0	1537.0	1533.7	1797.7	1987.3	1970.4	1997.5	2115.9
50°	2231.1	1834.9	1435.4	1076.6	1411.8	1425.3	1631.8	1862.0	1862.0	1885.7	2011.0
52.5°	2004.2	1669.1	1303.4	975.0	1266.2	1306.8	1486.3	1753.7	1760.4	1784.2	1895.9
55°	1797.7	1496.4	1208.6	897.2	1093.5	1181.5	1344.1	1642.0	1655.6	1679.2	1780.8
57.5°	1608.2	1245.8	1188.3	805.8	934.4	1019.1	1218.8	1533.7	1540.4	1560.7	1658.9
60°	1405.0	900.5	1090.1	707.6	795.6	859.9	1103.7	1405.0	1428.7	1442.2	1526.8
62.5°	1174.8	653.4	988.6	639.8	727.9	741.5	1008.9	1283.1	1313.6	1323.7	1374.5
65°	836.2	548.4	839.6	582.3	656.8	660.2	907.3	1157.9	1184.9	1201.8	1239.1
67.5°	565.3	446.9	639.8	528.1	602.6	606.0	809.1	1012.2	1049.5	1063.0	1086.8
70°	392.7	297.9	474.0	470.6	541.7	548.4	704.2	880.3	914.1	924.3	937.7
72.5°	287.8	240.4	392.7	423.2	477.4	484.1	595.8	731.3	765.1	775.3	782.0
75°	220.0	253.9	318.2	369.0	406.2	409.6	487.5	595.8	619.6	626.3	629.7
77.5°	176.0	237.0	233.6	297.9	331.7	325.0	382.6	460.5	480.7	480.7	480.7
80°	132.0	186.2	176.0	213.3	243.8	237.0	274.3	328.4	335.2	341.9	338.6
82.5°	98.1	118.5	118.5	135.4	162.5	155.7	182.8	213.3	213.3	213.3	220.0
85°	60.9	67.7	54.2	71.1	91.4	88.1	101.6	115.1	118.5	118.5	111.7
87.5°	37.2	30.5	16.9	27.1	40.7	40.7	47.4	50.8	47.4	47.4	47.4
90°	6.7	4.6	2.6	4.6	6.7	7.2	11.3	16.7	19.5	17.3	13.0
92.5°	45.2	27.7	10.2	27.7	45.2	49.5	69.6	96.4	109.8	96.3	69.1
95°	88.5	56.5	24.6	56.5	88.5	96.5	171.3	271.2	321.1	286.5	217.4
97.5°	99.0	70.8	42.6	70.8	99.0	106.0	230.8	397.3	480.4	458.6	414.9
100°	107.5	82.0	56.5	82.0	107.5	113.9	252.5	437.1	529.5	531.1	534.3
102.5°	115.9	92.1	68.2	92.1	115.9	121.9	262.4	449.7	543.3	571.2	626.8
105°	128.6	108.5	88.3	108.5	128.6	133.7	269.7	451.1	541.8	604.1	728.9
107.5°	146.5	127.6	108.8	127.6	146.5	151.2	271.1	431.0	510.9	598.0	772.0
110°	156.6	139.6	122.7	139.6	156.6	160.9	269.1	413.2	485.3	582.6	777.2



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	168.7	152.5	136.3	152.5	168.7	172.7	269.1	397.7	462.0	561.6	760.7
115°	186.7	171.8	156.8	171.8	186.7	190.5	271.6	379.8	434.0	529.9	721.7
117.5°	204.2	190.6	177.1	190.6	204.2	207.6	276.7	368.7	414.8	501.4	674.5
120°	214.5	201.7	188.8	201.7	214.5	217.6	280.8	364.9	407.0	486.1	644.4
122.5°	226.2	213.4	200.5	213.4	226.2	229.4	286.6	362.9	401.1	472.3	614.8
125°	241.7	229.9	218.1	229.9	241.7	244.6	294.7	361.4	394.7	455.2	576.2
127.5°	256.2	244.4	232.5	244.4	256.2	259.2	302.6	360.4	389.3	441.2	545.2
130°	265.8	253.0	240.2	253.0	265.8	269.0	308.4	361.0	387.3	433.6	526.1
132.5°	273.7	260.9	248.2	260.9	273.7	276.9	313.1	361.4	385.5	426.9	509.7
135°	283.2	271.6	260.0	271.6	283.2	286.1	318.2	361.0	382.4	417.1	486.4
137.5°	295.0	283.6	272.0	283.6	295.0	297.9	325.9	363.3	381.9	411.2	469.8
140°	303.3	292.6	282.0	292.6	303.3	305.9	330.6	363.6	380.1	405.4	456.0
142.5°	309.4	299.5	289.7	299.5	309.4	311.8	334.6	364.9	380.1	402.3	446.8
145°	318.7	310.1	301.6	310.1	318.7	320.8	339.7	364.9	377.5	395.7	432.1
147.5°	330.0	321.7	313.4	321.7	330.0	332.1	347.2	367.4	377.5	391.9	420.5
150°	336.1	328.6	321.1	328.6	336.1	338.0	351.1	368.7	377.5	389.7	413.8
152.5°	340.4	334.7	329.0	334.7	340.4	341.8	353.7	369.6	377.5	387.9	408.5
155°	349.3	345.0	340.8	345.0	349.3	350.3	359.3	371.5	377.5	385.7	402.2
157.5°	357.8	353.6	349.5	353.6	357.8	358.8	365.1	373.3	377.5	383.9	396.7
160°	361.9	358.6	355.5	358.6	361.9	362.7	367.6	374.2	377.5	383.0	393.9
162.5°	366.2	363.8	361.4	363.8	366.2	366.8	370.3	375.1	377.5	382.1	391.4
165°	372.1	369.9	367.8	369.9	372.1	372.7	374.3	376.4	377.5	380.9	387.4
167.5°	375.7	374.7	373.7	374.7	375.7	376.0	377.4	379.1	380.1	382.2	386.6
170°	379.6	378.5	377.5	378.5	379.6	379.8	379.9	380.0	380.1	382.2	386.6
172.5°	380.0	379.8	379.6	379.8	380.0	380.1	380.1	380.1	380.1	381.8	385.2
175°	382.4	382.4	382.4	382.4	382.4	382.4	381.6	380.6	380.1	381.2	383.3
177.5°	382.4	382.4	382.4	382.4	382.4	382.4	381.8	381.0	380.6	381.5	383.2
180°	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4



TEST NUMBER: P934025
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3453.2	3443.1	3456.6	3419.3	3456.6	3443.1	3453.2	3476.9	3456.6	3470.2	3483.7
5°	3030.0	3013.1	2959.0	2915.0	2959.0	3013.1	3030.0	3101.2	3135.0	3195.9	3277.2
7.5°	2708.4	2694.9	2681.4	2654.2	2681.4	2694.9	2708.4	2728.7	2762.6	2816.7	2877.7
10°	2637.3	2640.7	2661.0	2657.6	2661.0	2640.7	2637.3	2630.5	2620.4	2630.5	2667.8
12.5°	2820.2	2850.6	2962.3	2955.5	2962.3	2850.6	2820.2	2684.7	2593.3	2576.4	2583.1
15°	3030.0	3040.2	3063.9	3067.3	3063.9	3040.2	3030.0	2975.9	2701.6	2583.1	2545.9
17.5°	3050.3	3053.8	3070.7	3070.7	3070.7	3053.8	3050.3	3026.7	2935.2	2776.1	2566.2
20°	3033.4	3040.2	3074.0	3080.8	3074.0	3040.2	3033.4	3002.9	2952.2	2894.6	2735.5
22.5°	3026.7	3040.2	3067.3	3063.9	3067.3	3040.2	3026.7	2979.3	2935.2	2894.6	2830.3
25°	2992.8	2992.8	2996.2	2999.5	2996.2	2992.8	2992.8	2955.5	2867.6	2857.4	2820.2
27.5°	2921.7	2928.5	2948.8	2945.4	2948.8	2928.5	2921.7	2908.1	2813.3	2803.2	2776.1
30°	2857.4	2850.6	2833.7	2820.2	2833.7	2850.6	2857.4	2837.1	2742.3	2715.2	2721.9
32.5°	2749.0	2732.1	2715.2	2705.0	2715.2	2732.1	2749.0	2742.3	2671.2	2634.0	2640.7
35°	2620.4	2623.8	2620.4	2610.2	2620.4	2623.8	2620.4	2627.1	2583.1	2549.3	2545.9
37.5°	2529.0	2535.7	2532.4	2518.8	2532.4	2535.7	2529.0	2522.2	2461.3	2451.1	2457.9
40°	2434.2	2437.6	2434.2	2424.0	2434.2	2437.6	2434.2	2420.7	2336.0	2339.4	2363.1
42.5°	2342.8	2339.4	2329.2	2322.5	2329.2	2339.4	2342.8	2322.5	2214.2	2204.0	2248.0
45°	2237.8	2241.2	2220.9	2210.7	2220.9	2241.2	2237.8	2224.3	2112.6	2085.4	2115.9
47.5°	2132.8	2132.8	2115.9	2105.8	2115.9	2132.8	2132.8	2115.9	1997.5	1970.4	1987.3
50°	2021.1	2017.8	1994.0	1990.7	1994.0	2017.8	2021.1	2011.0	1885.7	1862.0	1862.0
52.5°	1892.5	1892.5	1895.9	1902.7	1895.9	1892.5	1892.5	1895.9	1784.2	1760.4	1753.7
55°	1780.8	1784.2	1807.8	1814.6	1807.8	1784.2	1780.8	1780.8	1679.2	1655.6	1642.0
57.5°	1665.6	1665.6	1682.6	1682.6	1682.6	1665.6	1665.6	1658.9	1560.7	1540.4	1533.7
60°	1533.7	1540.4	1553.9	1550.6	1553.9	1540.4	1533.7	1526.8	1442.2	1428.7	1405.0
62.5°	1394.8	1401.6	1405.0	1398.2	1405.0	1401.6	1394.8	1374.5	1323.7	1313.6	1283.1
65°	1249.2	1256.0	1259.4	1252.7	1259.4	1256.0	1249.2	1239.1	1201.8	1184.9	1157.9
67.5°	1100.3	1096.9	1093.5	1107.0	1093.5	1096.9	1100.3	1086.8	1063.0	1049.5	1012.2
70°	947.9	947.9	944.6	951.3	944.6	947.9	947.9	937.7	924.3	914.1	880.3
72.5°	785.5	782.0	795.6	785.5	795.6	782.0	785.5	782.0	775.3	765.1	731.3
75°	626.3	633.1	626.3	636.5	626.3	633.1	626.3	629.7	626.3	619.6	595.8
77.5°	477.4	484.1	477.4	477.4	477.4	484.1	477.4	480.7	480.7	480.7	460.5
80°	338.6	335.2	335.2	331.7	335.2	335.2	338.6	338.6	341.9	335.2	328.4
82.5°	216.7	213.3	213.3	220.0	213.3	213.3	216.7	220.0	213.3	213.3	213.3
85°	118.5	121.9	115.1	115.1	115.1	121.9	118.5	111.7	118.5	118.5	115.1
87.5°	44.0	40.7	40.7	40.7	40.7	40.7	44.0	47.4	47.4	47.4	50.8
90°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	13.0	17.3	19.5	16.7
92.5°	48.8	46.8	39.1	31.3	39.1	46.8	48.8	69.1	96.3	109.8	96.4
95°	165.5	159.6	136.1	112.7	136.1	159.6	165.5	217.4	286.5	321.1	271.2
97.5°	382.1	370.9	326.3	281.5	326.3	370.9	382.1	414.9	458.6	480.4	397.3
100°	536.6	523.3	470.1	416.8	470.1	523.3	536.6	534.3	531.1	529.5	437.1
102.5°	668.5	657.1	611.5	565.9	611.5	657.1	668.5	626.8	571.2	543.3	449.7
105°	822.5	816.4	791.9	767.3	791.9	816.4	822.5	728.9	604.1	541.8	451.1
107.5°	902.6	904.1	910.1	916.0	910.1	904.1	902.6	772.0	598.0	510.9	431.0
110°	923.1	929.5	955.1	980.6	955.1	929.5	923.1	777.2	582.6	485.3	413.2



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	910.1	919.9	959.1	998.3	959.1	919.9	910.1	760.7	561.6	462.0	397.7
115°	865.7	879.2	933.6	988.1	933.6	879.2	865.7	721.7	529.9	434.0	379.8
117.5°	804.3	819.5	879.8	940.1	879.8	819.5	804.3	674.5	501.4	414.8	368.7
120°	763.0	777.7	836.3	894.9	836.3	777.7	763.0	644.4	486.1	407.0	364.9
122.5°	721.7	736.1	794.0	851.8	794.0	736.1	721.7	614.8	472.3	401.1	362.9
125°	667.0	680.3	733.5	786.8	733.5	680.3	667.0	576.2	455.2	394.7	361.4
127.5°	623.1	634.4	679.3	724.2	679.3	634.4	623.1	545.2	441.2	389.3	360.4
130°	595.4	605.8	647.3	688.9	647.3	605.8	595.4	526.1	433.6	387.3	361.0
132.5°	571.8	581.1	618.3	655.5	618.3	581.1	571.8	509.7	426.9	385.5	361.4
135°	538.4	546.5	578.5	610.5	578.5	546.5	538.4	486.4	417.1	382.4	361.0
137.5°	513.8	520.3	546.6	572.9	546.6	520.3	513.8	469.8	411.2	381.9	363.3
140°	494.0	500.2	524.7	549.2	524.7	500.2	494.0	456.0	405.4	380.1	363.6
142.5°	480.2	485.5	506.6	527.7	506.6	485.5	480.2	446.8	402.3	380.1	364.9
145°	459.4	463.4	479.3	495.3	479.3	463.4	459.4	432.1	395.7	377.5	364.9
147.5°	441.9	445.3	458.5	471.7	458.5	445.3	441.9	420.5	391.9	377.5	367.4
150°	431.9	434.6	445.3	456.0	445.3	434.6	431.9	413.8	389.7	377.5	368.7
152.5°	424.0	426.0	434.1	442.2	434.1	426.0	424.0	408.5	387.9	377.5	369.6
155°	414.5	415.9	421.2	426.6	421.2	415.9	414.5	402.2	385.7	377.5	371.5
157.5°	406.2	407.2	411.0	414.8	411.0	407.2	406.2	396.7	383.9	377.5	373.3
160°	402.1	402.6	404.9	407.0	404.9	402.6	402.1	393.9	383.0	377.5	374.2
162.5°	398.3	398.8	400.8	402.9	400.8	398.8	398.3	391.4	382.1	377.5	375.1
165°	392.4	392.9	395.1	397.3	395.1	392.9	392.4	387.4	380.9	377.5	376.4
167.5°	389.8	390.1	390.9	391.9	390.9	390.1	389.8	386.6	382.2	380.1	379.1
170°	389.8	389.8	389.8	389.8	389.8	389.8	389.8	386.6	382.2	380.1	380.0
172.5°	387.8	387.6	386.7	386.0	386.7	387.6	387.8	385.2	381.8	380.1	380.1
175°	385.0	385.0	385.0	385.0	385.0	385.0	385.0	383.3	381.2	380.1	380.6
177.5°	384.4	384.2	383.3	382.4	383.3	384.2	384.4	383.2	381.5	380.6	381.0
180°	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3534.5	3551.4	3561.5	3575.1	3608.9
5°	3399.1	3463.4	3483.7	3534.5	3595.5
7.5°	3101.2	3297.5	3351.7	3473.6	3568.3
10°	2813.3	3009.7	3104.5	3392.3	3534.5
12.5°	2667.8	2782.9	2847.2	3250.1	3487.1
15°	2576.4	2657.6	2705.0	3060.5	3432.9
17.5°	2505.2	2562.8	2596.7	2874.3	3358.4
20°	2461.3	2488.3	2518.8	2738.8	3273.8
22.5°	2430.8	2413.9	2437.6	2644.1	3158.7
25°	2410.5	2346.2	2373.3	2569.6	3023.3
27.5°	2427.4	2285.2	2295.4	2501.9	2881.1
30°	2430.8	2210.7	2214.2	2430.8	2721.9
32.5°	2407.1	2132.8	2136.3	2342.8	2542.5
35°	2349.5	2041.5	2038.1	2241.2	2298.8
37.5°	2271.6	1943.3	1943.3	2129.5	2031.3
40°	2176.9	1845.1	1855.3	1983.9	1794.4
42.5°	2061.8	1740.1	1753.7	1790.9	1618.3
45°	1936.5	1638.6	1648.7	1513.3	1482.9
47.5°	1797.7	1533.7	1537.0	1256.0	1438.9
50°	1631.8	1425.3	1411.8	1076.6	1435.4
52.5°	1486.3	1306.8	1266.2	975.0	1303.4
55°	1344.1	1181.5	1093.5	897.2	1208.6
57.5°	1218.8	1019.1	934.4	805.8	1188.3
60°	1103.7	859.9	795.6	707.6	1090.1
62.5°	1008.9	741.5	727.9	639.8	988.6
65°	907.3	660.2	656.8	582.3	839.6
67.5°	809.1	606.0	602.6	528.1	639.8
70°	704.2	548.4	541.7	470.6	474.0
72.5°	595.8	484.1	477.4	423.2	392.7
75°	487.5	409.6	406.2	369.0	318.2
77.5°	382.6	325.0	331.7	297.9	233.6
80°	274.3	237.0	243.8	213.3	176.0
82.5°	182.8	155.7	162.5	135.4	118.5
85°	101.6	88.1	91.4	71.1	54.2
87.5°	47.4	40.7	40.7	27.1	16.9
90°	11.3	7.2	6.7	4.6	2.6
92.5°	69.6	49.5	45.2	27.7	10.2
95°	171.3	96.5	88.5	56.5	24.6
97.5°	230.8	106.0	99.0	70.8	42.6
100°	252.5	113.9	107.5	82.0	56.5
102.5°	262.4	121.9	115.9	92.1	68.2
105°	269.7	133.7	128.6	108.5	88.3
107.5°	271.1	151.2	146.5	127.6	108.8
110°	269.1	160.9	156.6	139.6	122.7



TEST NUMBER: P934025

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	269.1	172.7	168.7	152.5	136.3
115°	271.6	190.5	186.7	171.8	156.8
117.5°	276.7	207.6	204.2	190.6	177.1
120°	280.8	217.6	214.5	201.7	188.8
122.5°	286.6	229.4	226.2	213.4	200.5
125°	294.7	244.6	241.7	229.9	218.1
127.5°	302.6	259.2	256.2	244.4	232.5
130°	308.4	269.0	265.8	253.0	240.2
132.5°	313.1	276.9	273.7	260.9	248.2
135°	318.2	286.1	283.2	271.6	260.0
137.5°	325.9	297.9	295.0	283.6	272.0
140°	330.6	305.9	303.3	292.6	282.0
142.5°	334.6	311.8	309.4	299.5	289.7
145°	339.7	320.8	318.7	310.1	301.6
147.5°	347.2	332.1	330.0	321.7	313.4
150°	351.1	338.0	336.1	328.6	321.1
152.5°	353.7	341.8	340.4	334.7	329.0
155°	359.3	350.3	349.3	345.0	340.8
157.5°	365.1	358.8	357.8	353.6	349.5
160°	367.6	362.7	361.9	358.6	355.5
162.5°	370.3	366.8	366.2	363.8	361.4
165°	374.3	372.7	372.1	369.9	367.8
167.5°	377.4	376.0	375.7	374.7	373.7
170°	379.9	379.8	379.6	378.5	377.5
172.5°	380.1	380.1	380.0	379.8	379.6
175°	381.6	382.4	382.4	382.4	382.4
177.5°	381.8	382.4	382.4	382.4	382.4
180°	382.4	382.4	382.4	382.4	382.4



TEST NUMBER: P934025
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-2700K

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	15.50	16.70	16.16	17.38	18.16	18.35	19.55	19.01	20.23	21.02
	3H	16.00	17.08	16.68	17.77	18.59	19.73	20.81	20.40	21.49	22.32
	4H	16.21	17.22	16.90	17.92	18.76	20.19	21.21	20.89	21.91	22.74
	6H	16.34	17.28	17.05	17.99	18.84	20.50	21.44	21.21	22.15	23.00
	8H	16.35	17.25	17.07	17.98	18.83	20.59	21.48	21.31	22.21	23.06
	12H	16.34	17.19	17.06	17.91	18.79	20.64	21.49	21.36	22.22	23.10
4H	2H	16.58	17.59	17.27	18.29	19.13	18.80	19.81	19.50	20.51	21.35
	3H	17.63	18.48	18.35	19.22	20.07	20.34	21.19	21.05	21.93	22.78
	4H	17.92	18.69	18.65	19.43	20.32	20.89	21.66	21.62	22.40	23.28
	6H	18.07	18.73	18.81	19.50	20.39	21.28	21.94	22.02	22.71	23.60
	8H	18.08	18.70	18.83	19.47	20.37	21.40	22.02	22.15	22.78	23.68
	12H	18.07	18.62	18.84	19.41	20.32	21.47	22.03	22.24	22.82	23.73
8H	4H	18.41	19.03	19.16	19.79	20.70	21.04	21.66	21.79	22.42	23.33
	6H	18.68	19.20	19.46	20.00	20.91	21.49	22.01	22.28	22.81	23.72
	8H	18.73	19.19	19.52	19.99	20.91	21.65	22.11	22.45	22.92	23.84
	12H	18.73	19.13	19.52	19.93	20.91	21.77	22.18	22.57	22.97	23.95
12H	4H	18.43	18.99	19.20	19.78	20.68	21.02	21.58	21.79	22.36	23.27
	6H	18.75	19.21	19.54	20.01	20.93	21.49	21.95	22.29	22.76	23.68
	8H	18.83	19.24	19.63	20.03	21.01	21.68	22.08	22.47	22.87	23.85