

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: P934027

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934027
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

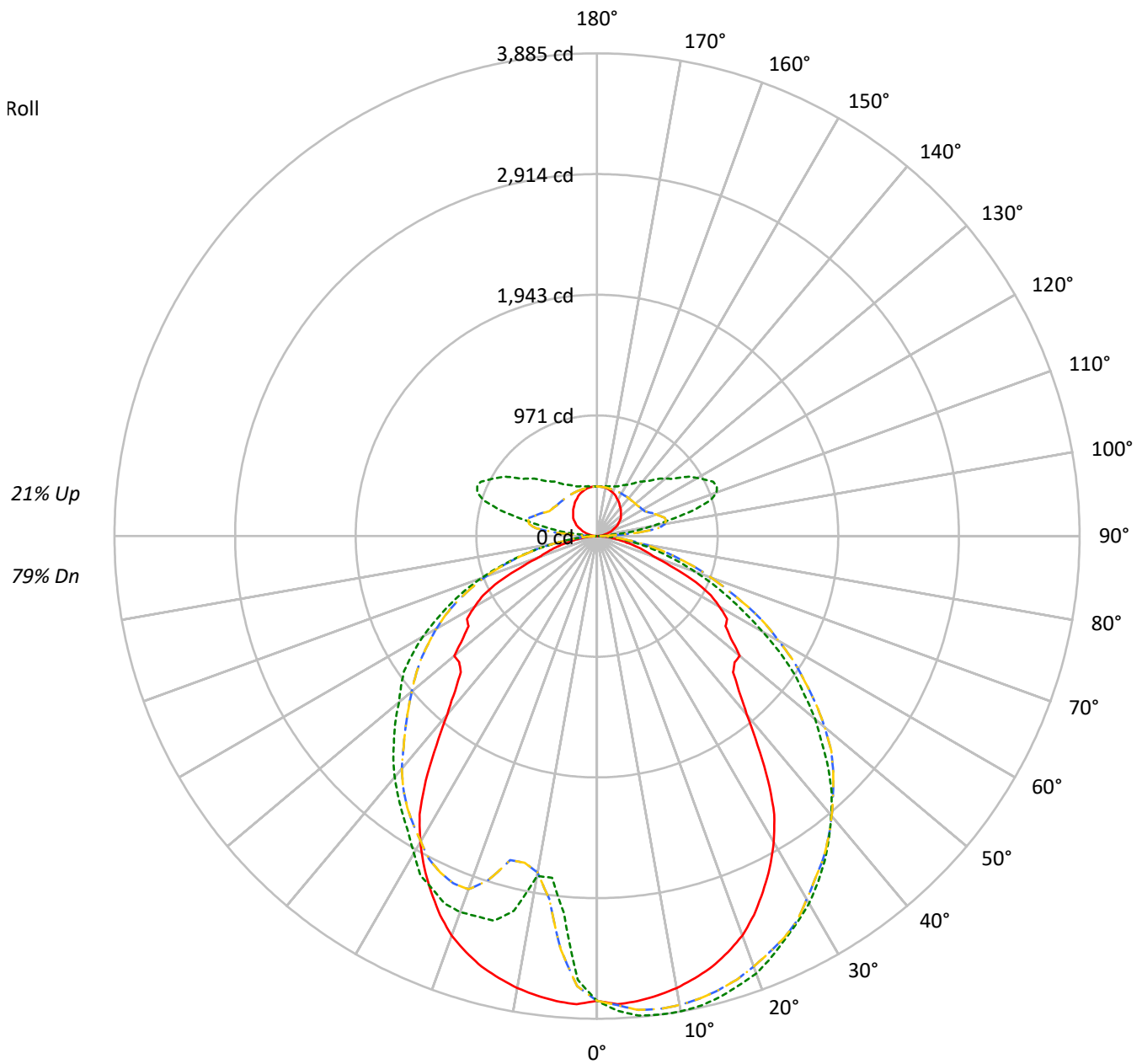
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12288.7 lumens
Efficiency: N/A
Efficacy: 105.6 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: P934027
CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot



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

TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	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°	11567	11567	11567	11567
5°	11658	11677	11658	9181
10°	11584	11502	11584	8223
15°	11463	11253	11463	9396
20°	11227	10958	11227	9416
25°	10741	10527	10741	9216
30°	10111	10170	10111	8779
35°	9019	9717	9019	8297
40°	7519	9185	7519	7933
45°	6723	8562	6723	7515
50°	7147	7819	7147	7095
55°	6731	7018	6731	6852
60°	6948	5961	6948	6276
65°	6309	4927	6309	5508
70°	4379	3927	4379	4617
75°	3855	2903	3855	3476
80°	3130	1919	3130	2089
85°	1834	1016	1834	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10297 cd/sqm



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	2.7
10°-20°	958.5	7.8
20°-30°	1481.6	12.1
30°-40°	1768.8	14.4
40°-50°	1779.1	14.5
50°-60°	1548.0	12.6
60°-70°	1097.6	8.9
70°-80°	580.7	4.7
80°-90°	146.1	1.2
90°-100°	194.8	1.6
100°-110°	512.1	4.2
110°-120°	531.0	4.3
120°-130°	426.0	3.5
130°-140°	334.2	2.7
140°-150°	256.5	2.1
150°-160°	184.7	1.5
160°-170°	113.0	0.9
170°-180°	38.2	0.3
0°-30°	2777.7	22.6
0°-40°	4546.5	37.0
0°-60°	7873.6	64.1
0°-90°	9698.1	78.9
90°-120°	1238.0	10.1
90°-150°	2254.7	18.3
90°-180°	2591.0	21.1
0°-180°	12288.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3740	3740	3740	3740	3740	
5°	3758	3874	3758	3046	3758	356
15°	3588	3839	3588	3206	3588	1009
25°	3160	3581	3160	3135	3160	1451
35°	2402	3195	2402	2728	2402	1486
45°	1550	2632	1550	2310	1550	1241
55°	1263	1942	1263	1896	1263	1161
65°	877	1171	877	1309	877	839
75°	333	556	333	665	333	350
85°	57	142	57	120	57	76
90°	3	10	3	10	3	5
95°	26	118	26	118	26	29
105°	92	802	92	802	92	98
115°	164	1033	164	1033	164	162
125°	228	822	228	822	228	202
135°	272	638	272	638	272	210
145°	315	518	315	518	315	197
155°	356	446	356	446	356	164
165°	384	415	384	415	384	108
175°	400	402	400	402	400	38
180°	400	400	400	400	400	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3771.6	3771.6	3792.8	3799.9	3799.9	3789.3	3778.6	3789.3	3821.1	3831.7	3828.2
5°	3757.5	3785.8	3824.7	3831.7	3838.8	3835.3	3828.2	3835.3	3870.7	3877.7	3881.3
7.5°	3729.1	3782.2	3831.7	3842.4	3853.0	3842.4	3838.8	3845.9	3881.3	3888.3	3888.3
10°	3693.8	3768.1	3824.7	3831.7	3842.4	3831.7	3831.7	3845.9	3881.3	3888.3	3891.9
12.5°	3644.2	3746.9	3799.9	3807.0	3821.1	3817.6	3814.1	3828.2	3863.6	3870.7	3870.7
15°	3587.6	3707.9	3757.5	3764.5	3789.3	3782.2	3782.2	3796.4	3835.3	3845.9	3842.4
17.5°	3509.8	3658.4	3715.0	3725.6	3743.3	3739.7	3743.3	3757.5	3792.8	3799.9	3803.5
20°	3421.3	3591.2	3658.4	3669.0	3686.7	3686.7	3686.7	3704.4	3739.7	3753.9	3753.9
22.5°	3301.0	3520.4	3591.2	3598.2	3619.5	3619.5	3626.5	3651.3	3683.1	3686.7	3686.7
25°	3159.5	3442.6	3502.7	3524.0	3545.1	3555.8	3566.4	3580.6	3591.2	3587.6	3591.2
27.5°	3010.9	3343.5	3421.3	3435.5	3463.8	3474.4	3488.5	3492.1	3495.6	3506.2	3499.2
30°	2844.6	3205.5	3322.2	3336.4	3382.4	3389.5	3375.4	3382.4	3400.1	3407.2	3414.3
32.5°	2657.1	3000.3	3219.7	3251.5	3293.9	3272.7	3269.2	3279.8	3308.1	3308.1	3315.2
35°	2402.4	2841.1	3124.2	3152.5	3184.2	3159.5	3173.6	3177.2	3194.9	3205.5	3202.0
37.5°	2122.8	2703.1	3025.1	3046.3	3071.1	3039.2	3060.4	3071.1	3085.3	3078.1	3078.1
40°	1875.2	2487.3	2908.3	2922.4	2943.7	2919.0	2940.1	2947.3	2954.3	2947.3	2943.7
42.5°	1691.2	2250.2	2784.4	2802.2	2788.0	2805.7	2812.7	2826.9	2816.3	2802.2	2802.2
45°	1549.7	2186.6	2650.0	2671.3	2650.0	2678.3	2688.9	2688.9	2657.1	2650.0	2646.5
47.5°	1503.7	2059.2	2515.6	2515.6	2505.0	2540.3	2558.1	2533.3	2501.4	2490.9	2490.9
50°	1500.1	1917.6	2331.6	2317.4	2367.0	2409.4	2391.8	2367.0	2342.2	2303.3	2303.3
52.5°	1362.1	1744.3	2094.5	2147.6	2225.5	2250.2	2221.9	2197.2	2154.7	2137.0	2122.8
55°	1263.1	1563.9	1878.7	1984.8	2066.2	2098.1	2045.0	2020.3	1956.5	1945.9	1938.9
57.5°	1241.9	1302.0	1680.6	1815.1	1914.1	1910.6	1878.7	1832.7	1779.6	1769.1	1765.5
60°	1139.3	941.1	1468.3	1627.5	1730.2	1719.5	1691.2	1648.8	1599.2	1592.2	1585.0
62.5°	1033.1	682.9	1227.7	1408.2	1553.2	1549.7	1525.0	1461.2	1425.9	1408.2	1394.0
65°	877.4	573.2	873.9	1171.1	1379.8	1387.0	1333.8	1287.9	1249.0	1227.7	1224.1
67.5°	668.7	467.0	590.8	976.5	1213.6	1206.5	1139.3	1118.0	1068.5	1057.8	1036.7
70°	495.3	311.3	410.4	792.6	1050.8	1033.1	980.0	955.3	909.3	884.5	870.4
72.5°	410.4	251.2	300.7	615.6	884.5	863.3	817.3	789.0	750.1	728.8	714.7
75°	332.6	265.4	229.9	456.4	718.2	704.1	661.6	633.3	601.4	573.2	576.7
77.5°	244.1	247.7	184.0	336.2	569.7	548.4	523.6	488.3	474.1	445.8	445.8
80°	184.0	194.6	138.0	229.9	410.4	410.4	389.2	364.5	339.6	325.5	325.5
82.5°	123.8	123.8	102.6	145.1	279.5	268.9	254.8	247.7	233.5	226.5	226.5
85°	56.6	70.8	63.6	88.5	152.1	159.2	159.2	152.1	148.6	141.5	145.1
87.5°	17.7	31.9	38.9	49.5	77.8	81.4	84.9	84.9	84.9	88.5	88.5
90°	2.7	4.8	7.0	7.5	11.8	17.5	20.4	18.1	13.6	10.2	10.2
92.5°	10.7	28.9	47.2	51.8	72.7	100.8	114.8	100.6	72.2	51.0	48.9
95°	25.7	59.1	92.5	100.9	179.1	283.4	335.5	299.4	227.2	173.0	166.8
97.5°	44.5	74.0	103.5	110.8	241.2	415.2	502.1	479.2	433.6	399.4	387.7
100°	59.0	85.7	112.4	119.1	263.9	456.8	553.3	555.0	558.3	560.8	546.9
102.5°	71.3	96.2	121.1	127.4	274.2	470.0	567.8	596.9	655.0	698.7	686.7
105°	92.3	113.4	134.4	139.7	281.9	471.4	566.2	631.4	761.8	859.6	853.2
107.5°	113.7	133.4	153.1	158.0	283.3	450.4	534.0	624.9	806.8	943.3	944.8
110°	128.2	145.9	163.7	168.2	281.2	431.8	507.2	608.9	812.2	964.7	971.4



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	142.5	159.3	176.3	180.5	281.3	415.6	482.8	586.9	795.0	951.1	961.4
115°	163.9	179.5	195.1	199.1	283.9	396.9	453.5	553.8	754.3	904.7	918.9
117.5°	185.0	199.2	213.4	217.0	289.1	385.3	433.5	524.0	704.9	840.6	856.4
120°	197.4	210.7	224.1	227.4	293.4	381.3	425.3	508.0	673.4	797.4	812.7
122.5°	209.5	223.0	236.4	239.8	299.6	379.3	419.2	493.6	642.5	754.2	769.3
125°	228.0	240.3	252.6	255.6	308.0	377.7	412.5	475.7	602.2	697.0	711.0
127.5°	243.0	255.4	267.8	270.9	316.3	376.7	406.9	461.1	569.8	651.2	662.9
130°	251.0	264.4	277.8	281.1	322.3	377.2	404.7	453.1	549.8	622.2	633.1
132.5°	259.4	272.7	286.1	289.4	327.2	377.7	402.8	446.1	532.7	597.6	607.3
135°	271.7	283.9	296.0	299.0	332.6	377.3	399.6	435.9	508.3	562.7	571.1
137.5°	284.3	296.3	308.3	311.3	340.6	379.6	399.1	429.7	490.9	536.9	543.8
140°	294.7	305.8	317.0	319.7	345.5	380.0	397.2	423.6	476.6	516.3	522.7
142.5°	302.8	313.0	323.3	325.9	349.6	381.3	397.2	420.4	466.9	501.8	507.4
145°	315.2	324.1	333.0	335.3	355.0	381.3	394.5	413.6	451.6	480.1	484.2
147.5°	327.5	336.2	344.9	347.1	362.9	384.0	394.5	409.5	439.4	461.8	465.3
150°	335.5	343.4	351.2	353.2	367.0	385.3	394.5	407.2	432.5	451.4	454.2
152.5°	343.8	349.8	355.7	357.2	369.6	386.2	394.5	405.3	426.9	443.1	445.2
155°	356.2	360.5	365.0	366.1	375.5	388.2	394.5	403.1	420.3	433.2	434.6
157.5°	365.3	369.5	373.9	375.0	381.5	390.2	394.5	401.2	414.5	424.5	425.5
160°	371.5	374.8	378.2	379.0	384.2	391.1	394.5	400.3	411.7	420.2	420.8
162.5°	377.7	380.2	382.7	383.3	387.0	392.0	394.5	399.4	409.0	416.2	416.8
165°	384.4	386.6	388.9	389.5	391.1	393.4	394.5	398.0	404.9	410.1	410.6
167.5°	390.5	391.6	392.7	392.9	394.4	396.2	397.2	399.4	404.0	407.4	407.7
170°	394.5	395.6	396.7	396.9	397.0	397.1	397.2	399.4	404.0	407.4	407.4
172.5°	396.7	396.9	397.1	397.2	397.2	397.2	397.2	399.0	402.6	405.2	405.1
175°	399.6	399.6	399.6	399.6	398.8	397.8	397.2	398.4	400.6	402.3	402.3
177.5°	399.6	399.6	399.6	399.6	399.0	398.2	397.8	398.6	400.4	401.8	401.5
180°	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3835.3	3824.7	3835.3	3828.2	3831.7	3821.1	3789.3	3778.6	3789.3	3799.9	3799.9
5°	3881.3	3874.2	3881.3	3881.3	3877.7	3870.7	3835.3	3828.2	3835.3	3838.8	3831.7
7.5°	3895.4	3884.9	3895.4	3888.3	3888.3	3881.3	3845.9	3838.8	3842.4	3853.0	3842.4
10°	3895.4	3884.9	3895.4	3891.9	3888.3	3881.3	3845.9	3831.7	3831.7	3842.4	3831.7
12.5°	3877.7	3870.7	3877.7	3870.7	3870.7	3863.6	3828.2	3814.1	3817.6	3821.1	3807.0
15°	3849.4	3838.8	3849.4	3842.4	3845.9	3835.3	3796.4	3782.2	3782.2	3789.3	3764.5
17.5°	3807.0	3792.8	3807.0	3803.5	3799.9	3792.8	3757.5	3743.3	3739.7	3743.3	3725.6
20°	3757.5	3746.9	3757.5	3753.9	3753.9	3739.7	3704.4	3686.7	3686.7	3686.7	3669.0
22.5°	3679.6	3669.0	3679.6	3686.7	3686.7	3683.1	3651.3	3626.5	3619.5	3619.5	3598.2
25°	3591.2	3580.6	3591.2	3591.2	3587.6	3591.2	3580.6	3566.4	3555.8	3545.1	3524.0
27.5°	3506.2	3499.2	3506.2	3499.2	3506.2	3495.6	3492.1	3488.5	3474.4	3463.8	3435.5
30°	3421.3	3414.3	3421.3	3414.3	3407.2	3400.1	3382.4	3375.4	3389.5	3382.4	3336.4
32.5°	3315.2	3308.1	3315.2	3315.2	3308.1	3308.1	3279.8	3269.2	3272.7	3293.9	3251.5
35°	3205.5	3194.9	3205.5	3202.0	3205.5	3194.9	3177.2	3173.6	3159.5	3184.2	3152.5
37.5°	3078.1	3067.5	3078.1	3078.1	3078.1	3085.3	3071.1	3060.4	3039.2	3071.1	3046.3
40°	2947.3	2933.1	2947.3	2943.7	2947.3	2954.3	2947.3	2940.1	2919.0	2943.7	2922.4
42.5°	2798.6	2795.1	2798.6	2802.2	2802.2	2816.3	2826.9	2812.7	2805.7	2788.0	2802.2
45°	2639.4	2632.3	2639.4	2646.5	2650.0	2657.1	2688.9	2688.9	2678.3	2650.0	2671.3
47.5°	2469.6	2451.9	2469.6	2490.9	2490.9	2501.4	2533.3	2558.1	2540.3	2505.0	2515.6
50°	2289.1	2292.7	2289.1	2303.3	2303.3	2342.2	2367.0	2391.8	2409.4	2367.0	2317.4
52.5°	2112.2	2108.7	2112.2	2122.8	2137.0	2154.7	2197.2	2221.9	2250.2	2225.5	2147.6
55°	1935.3	1942.4	1935.3	1938.9	1945.9	1956.5	2020.3	2045.0	2098.1	2066.2	1984.8
57.5°	1758.5	1747.8	1758.5	1765.5	1769.1	1779.6	1832.7	1878.7	1910.6	1914.1	1815.1
60°	1553.2	1539.1	1553.2	1585.0	1592.2	1599.2	1648.8	1691.2	1719.5	1730.2	1627.5
62.5°	1372.8	1348.0	1372.8	1394.0	1408.2	1425.9	1461.2	1525.0	1549.7	1553.2	1408.2
65°	1181.7	1171.1	1181.7	1224.1	1227.7	1249.0	1287.9	1333.8	1387.0	1379.8	1171.1
67.5°	1008.4	1008.4	1008.4	1036.7	1057.8	1068.5	1118.0	1139.3	1206.5	1213.6	976.5
70°	849.1	845.6	849.1	870.4	884.5	909.3	955.3	980.0	1033.1	1050.8	792.6
72.5°	697.0	693.5	697.0	714.7	728.8	750.1	789.0	817.3	863.3	884.5	615.6
75°	562.5	555.5	562.5	576.7	573.2	601.4	633.3	661.6	704.1	718.2	456.4
77.5°	431.7	431.7	431.7	445.8	445.8	474.1	488.3	523.6	548.4	569.7	336.2
80°	322.0	318.4	322.0	325.5	325.5	339.6	364.5	389.2	410.4	410.4	229.9
82.5°	226.5	219.3	226.5	226.5	226.5	233.5	247.7	254.8	268.9	279.5	145.1
85°	141.5	141.5	141.5	145.1	141.5	148.6	152.1	159.2	159.2	152.1	88.5
87.5°	92.0	88.5	92.0	88.5	88.5	84.9	84.9	84.9	81.4	77.8	49.5
90°	10.2	10.2	10.2	10.2	10.2	13.6	18.1	20.4	17.5	11.8	7.5
92.5°	40.9	32.8	40.9	48.9	51.0	72.2	100.6	114.8	100.8	72.7	51.8
95°	142.3	117.7	142.3	166.8	173.0	227.2	299.4	335.5	283.4	179.1	100.9
97.5°	341.0	294.2	341.0	387.7	399.4	433.6	479.2	502.1	415.2	241.2	110.8
100°	491.3	435.6	491.3	546.9	560.8	558.3	555.0	553.3	456.8	263.9	119.1
102.5°	639.0	591.4	639.0	686.7	698.7	655.0	596.9	567.8	470.0	274.2	127.4
105°	827.5	801.9	827.5	853.2	859.6	761.8	631.4	566.2	471.4	281.9	139.7
107.5°	951.1	957.2	951.1	944.8	943.3	806.8	624.9	534.0	450.4	283.3	158.0
110°	998.1	1024.8	998.1	971.4	964.7	812.2	608.9	507.2	431.8	281.2	168.2



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1002.3	1043.3	1002.3	961.4	951.1	795.0	586.9	482.8	415.6	281.3	180.5
115°	975.7	1032.6	975.7	918.9	904.7	754.3	553.8	453.5	396.9	283.9	199.1
117.5°	919.4	982.4	919.4	856.4	840.6	704.9	524.0	433.5	385.3	289.1	217.0
120°	874.0	935.2	874.0	812.7	797.4	673.4	508.0	425.3	381.3	293.4	227.4
122.5°	829.8	890.2	829.8	769.3	754.2	642.5	493.6	419.2	379.3	299.6	239.8
125°	766.6	822.3	766.6	711.0	697.0	602.2	475.7	412.5	377.7	308.0	255.6
127.5°	709.9	756.9	709.9	662.9	651.2	569.8	461.1	406.9	376.7	316.3	270.9
130°	676.5	719.9	676.5	633.1	622.2	549.8	453.1	404.7	377.2	322.3	281.1
132.5°	646.2	685.0	646.2	607.3	597.6	532.7	446.1	402.8	377.7	327.2	289.4
135°	604.6	638.0	604.6	571.1	562.7	508.3	435.9	399.6	377.3	332.6	299.0
137.5°	571.2	598.7	571.2	543.8	536.9	490.9	429.7	399.1	379.6	340.6	311.3
140°	548.3	574.0	548.3	522.7	516.3	476.6	423.6	397.2	380.0	345.5	319.7
142.5°	529.4	551.5	529.4	507.4	501.8	466.9	420.4	397.2	381.3	349.6	325.9
145°	500.9	517.6	500.9	484.2	480.1	451.6	413.6	394.5	381.3	355.0	335.3
147.5°	479.2	493.0	479.2	465.3	461.8	439.4	409.5	394.5	384.0	362.9	347.1
150°	465.4	476.6	465.4	454.2	451.4	432.5	407.2	394.5	385.3	367.0	353.2
152.5°	453.6	462.1	453.6	445.2	443.1	426.9	405.3	394.5	386.2	369.6	357.2
155°	440.2	445.8	440.2	434.6	433.2	420.3	403.1	394.5	388.2	375.5	366.1
157.5°	429.5	433.5	429.5	425.5	424.5	414.5	401.2	394.5	390.2	381.5	375.0
160°	423.1	425.3	423.1	420.8	420.2	411.7	400.3	394.5	391.1	384.2	379.0
162.5°	418.9	421.0	418.9	416.8	416.2	409.0	399.4	394.5	392.0	387.0	383.3
165°	412.9	415.2	412.9	410.6	410.1	404.9	398.0	394.5	393.4	391.1	389.5
167.5°	408.6	409.5	408.6	407.7	407.4	404.0	399.4	397.2	396.2	394.4	392.9
170°	407.4	407.4	407.4	407.4	407.4	404.0	399.4	397.2	397.1	397.0	396.9
172.5°	404.2	403.4	404.2	405.1	405.2	402.6	399.0	397.2	397.2	397.2	397.2
175°	402.3	402.3	402.3	402.3	402.3	400.6	398.4	397.2	397.8	398.8	399.6
177.5°	400.6	399.6	400.6	401.5	401.8	400.4	398.6	397.8	398.2	399.0	399.6
180°	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3792.8	3771.6	3771.6	3736.2	3722.0	3711.4	3693.8	3640.7	3626.5	3612.3	3633.6
5°	3824.7	3785.8	3757.5	3693.8	3640.7	3619.5	3552.3	3424.9	3339.9	3276.3	3240.9
7.5°	3831.7	3782.2	3729.1	3630.1	3502.7	3446.1	3240.9	3007.4	2943.7	2887.1	2851.7
10°	3824.7	3768.1	3693.8	3545.1	3244.4	3145.3	2940.1	2788.0	2749.1	2738.5	2749.1
12.5°	3799.9	3746.9	3644.2	3396.6	2975.5	2908.3	2788.0	2699.6	2692.5	2710.2	2805.7
15°	3757.5	3707.9	3587.6	3198.4	2826.9	2777.4	2692.5	2660.6	2699.6	2823.4	3110.0
17.5°	3715.0	3658.4	3509.8	3003.8	2713.7	2678.3	2618.1	2681.9	2901.2	3067.5	3163.1
20°	3658.4	3591.2	3421.3	2862.3	2632.3	2600.5	2572.2	2858.8	3025.1	3085.3	3138.3
22.5°	3591.2	3520.4	3301.0	2763.3	2547.4	2522.6	2540.3	2957.9	3025.1	3067.5	3113.5
25°	3502.7	3442.6	3159.5	2685.4	2480.2	2451.9	2519.2	2947.3	2986.2	2996.8	3088.7
27.5°	3421.3	3343.5	3010.9	2614.7	2398.8	2388.2	2536.8	2901.2	2929.6	2940.1	3039.2
30°	3322.2	3205.5	2844.6	2540.3	2313.9	2310.4	2540.3	2844.6	2837.5	2865.8	2964.9
32.5°	3219.7	3000.3	2657.1	2448.4	2232.5	2229.0	2515.6	2759.7	2752.7	2791.6	2865.8
35°	3124.2	2841.1	2402.4	2342.2	2130.0	2133.5	2455.4	2660.6	2664.2	2699.6	2745.5
37.5°	3025.1	2703.1	2122.8	2225.5	2030.9	2030.9	2374.0	2568.7	2561.6	2572.2	2635.9
40°	2908.3	2487.3	1875.2	2073.3	1938.9	1928.2	2275.0	2469.6	2444.8	2441.3	2529.8
42.5°	2784.4	2250.2	1691.2	1871.6	1832.7	1818.5	2154.7	2349.3	2303.3	2313.9	2427.1
45°	2650.0	2186.6	1549.7	1581.5	1723.0	1712.4	2023.7	2211.3	2179.4	2207.8	2324.6
47.5°	2515.6	2059.2	1503.7	1312.6	1606.3	1602.8	1878.7	2076.9	2059.2	2087.5	2211.3
50°	2331.6	1917.6	1500.1	1125.1	1475.4	1489.5	1705.4	1945.9	1945.9	1970.7	2101.6
52.5°	2094.5	1744.3	1362.1	1018.9	1323.2	1365.7	1553.2	1832.7	1839.8	1864.6	1981.3
55°	1878.7	1563.9	1263.1	937.6	1142.8	1234.8	1404.6	1716.0	1730.2	1754.9	1861.0
57.5°	1680.6	1302.0	1241.9	842.1	976.5	1065.0	1273.7	1602.8	1609.8	1631.1	1733.6
60°	1468.3	941.1	1139.3	739.4	831.5	898.7	1153.4	1468.3	1493.1	1507.2	1595.6
62.5°	1227.7	682.9	1033.1	668.7	760.7	774.9	1054.4	1340.9	1372.8	1383.4	1436.5
65°	873.9	573.2	877.4	608.6	686.4	689.9	948.2	1210.0	1238.3	1256.0	1294.9
67.5°	590.8	467.0	668.7	551.9	629.7	633.3	845.6	1057.8	1096.8	1111.0	1135.8
70°	410.4	311.3	495.3	491.8	566.1	573.2	736.0	919.9	955.3	965.9	980.0
72.5°	300.7	251.2	410.4	442.3	498.9	505.9	622.7	764.3	799.6	810.2	817.3
75°	229.9	265.4	332.6	385.6	424.5	428.1	509.5	622.7	647.5	654.6	658.0
77.5°	184.0	247.7	244.1	311.3	346.7	339.6	399.8	481.2	502.4	502.4	502.4
80°	138.0	194.6	184.0	222.9	254.8	247.7	286.6	343.2	350.3	357.3	353.8
82.5°	102.6	123.8	123.8	141.5	169.9	162.7	191.0	222.9	222.9	222.9	229.9
85°	63.6	70.8	56.6	74.3	95.5	92.0	106.1	120.3	123.8	123.8	116.8
87.5°	38.9	31.9	17.7	28.3	42.5	42.5	49.5	53.1	49.5	49.5	49.5
90°	7.0	4.8	2.7	4.8	7.0	7.5	11.8	17.5	20.4	18.1	13.6
92.5°	47.2	28.9	10.7	28.9	47.2	51.8	72.7	100.8	114.8	100.6	72.2
95°	92.5	59.1	25.7	59.1	92.5	100.9	179.1	283.4	335.5	299.4	227.2
97.5°	103.5	74.0	44.5	74.0	103.5	110.8	241.2	415.2	502.1	479.2	433.6
100°	112.4	85.7	59.0	85.7	112.4	119.1	263.9	456.8	553.3	555.0	558.3
102.5°	121.1	96.2	71.3	96.2	121.1	127.4	274.2	470.0	567.8	596.9	655.0
105°	134.4	113.4	92.3	113.4	134.4	139.7	281.9	471.4	566.2	631.4	761.8
107.5°	153.1	133.4	113.7	133.4	153.1	158.0	283.3	450.4	534.0	624.9	806.8
110°	163.7	145.9	128.2	145.9	163.7	168.2	281.2	431.8	507.2	608.9	812.2



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	176.3	159.3	142.5	159.3	176.3	180.5	281.3	415.6	482.8	586.9	795.0
115°	195.1	179.5	163.9	179.5	195.1	199.1	283.9	396.9	453.5	553.8	754.3
117.5°	213.4	199.2	185.0	199.2	213.4	217.0	289.1	385.3	433.5	524.0	704.9
120°	224.1	210.7	197.4	210.7	224.1	227.4	293.4	381.3	425.3	508.0	673.4
122.5°	236.4	223.0	209.5	223.0	236.4	239.8	299.6	379.3	419.2	493.6	642.5
125°	252.6	240.3	228.0	240.3	252.6	255.6	308.0	377.7	412.5	475.7	602.2
127.5°	267.8	255.4	243.0	255.4	267.8	270.9	316.3	376.7	406.9	461.1	569.8
130°	277.8	264.4	251.0	264.4	277.8	281.1	322.3	377.2	404.7	453.1	549.8
132.5°	286.1	272.7	259.4	272.7	286.1	289.4	327.2	377.7	402.8	446.1	532.7
135°	296.0	283.9	271.7	283.9	296.0	299.0	332.6	377.3	399.6	435.9	508.3
137.5°	308.3	296.3	284.3	296.3	308.3	311.3	340.6	379.6	399.1	429.7	490.9
140°	317.0	305.8	294.7	305.8	317.0	319.7	345.5	380.0	397.2	423.6	476.6
142.5°	323.3	313.0	302.8	313.0	323.3	325.9	349.6	381.3	397.2	420.4	466.9
145°	333.0	324.1	315.2	324.1	333.0	335.3	355.0	381.3	394.5	413.6	451.6
147.5°	344.9	336.2	327.5	336.2	344.9	347.1	362.9	384.0	394.5	409.5	439.4
150°	351.2	343.4	335.5	343.4	351.2	353.2	367.0	385.3	394.5	407.2	432.5
152.5°	355.7	349.8	343.8	349.8	355.7	357.2	369.6	386.2	394.5	405.3	426.9
155°	365.0	360.5	356.2	360.5	365.0	366.1	375.5	388.2	394.5	403.1	420.3
157.5°	373.9	369.5	365.3	369.5	373.9	375.0	381.5	390.2	394.5	401.2	414.5
160°	378.2	374.8	371.5	374.8	378.2	379.0	384.2	391.1	394.5	400.3	411.7
162.5°	382.7	380.2	377.7	380.2	382.7	383.3	387.0	392.0	394.5	399.4	409.0
165°	388.9	386.6	384.4	386.6	388.9	389.5	391.1	393.4	394.5	398.0	404.9
167.5°	392.7	391.6	390.5	391.6	392.7	392.9	394.4	396.2	397.2	399.4	404.0
170°	396.7	395.6	394.5	395.6	396.7	396.9	397.0	397.1	397.2	399.4	404.0
172.5°	397.1	396.9	396.7	396.9	397.1	397.2	397.2	397.2	397.2	399.0	402.6
175°	399.6	399.6	399.6	399.6	399.6	399.6	398.8	397.8	397.2	398.4	400.6
177.5°	399.6	399.6	399.6	399.6	399.6	399.6	399.0	398.2	397.8	398.6	400.4
180°	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3608.9	3598.2	3612.3	3573.4	3612.3	3598.2	3608.9	3633.6	3612.3	3626.5	3640.7
5°	3166.6	3148.9	3092.3	3046.3	3092.3	3148.9	3166.6	3240.9	3276.3	3339.9	3424.9
7.5°	2830.5	2816.3	2802.2	2773.8	2802.2	2816.3	2830.5	2851.7	2887.1	2943.7	3007.4
10°	2756.1	2759.7	2781.0	2777.4	2781.0	2759.7	2756.1	2749.1	2738.5	2749.1	2788.0
12.5°	2947.3	2979.0	3095.8	3088.7	3095.8	2979.0	2947.3	2805.7	2710.2	2692.5	2699.6
15°	3166.6	3177.2	3202.0	3205.5	3202.0	3177.2	3166.6	3110.0	2823.4	2699.6	2660.6
17.5°	3187.8	3191.4	3209.1	3209.1	3209.1	3191.4	3187.8	3163.1	3067.5	2901.2	2681.9
20°	3170.1	3177.2	3212.5	3219.7	3212.5	3177.2	3170.1	3138.3	3085.3	3025.1	2858.8
22.5°	3163.1	3177.2	3205.5	3202.0	3205.5	3177.2	3163.1	3113.5	3067.5	3025.1	2957.9
25°	3127.7	3127.7	3131.2	3134.7	3131.2	3127.7	3127.7	3088.7	2996.8	2986.2	2947.3
27.5°	3053.4	3060.4	3081.7	3078.1	3081.7	3060.4	3053.4	3039.2	2940.1	2929.6	2901.2
30°	2986.2	2979.0	2961.4	2947.3	2961.4	2979.0	2986.2	2964.9	2865.8	2837.5	2844.6
32.5°	2872.9	2855.2	2837.5	2826.9	2837.5	2855.2	2872.9	2865.8	2791.6	2752.7	2759.7
35°	2738.5	2742.0	2738.5	2727.8	2738.5	2742.0	2738.5	2745.5	2699.6	2664.2	2660.6
37.5°	2643.0	2650.0	2646.5	2632.3	2646.5	2650.0	2643.0	2635.9	2572.2	2561.6	2568.7
40°	2543.9	2547.4	2543.9	2533.3	2543.9	2547.4	2543.9	2529.8	2441.3	2444.8	2469.6
42.5°	2448.4	2444.8	2434.2	2427.1	2434.2	2444.8	2448.4	2427.1	2313.9	2303.3	2349.3
45°	2338.7	2342.2	2321.0	2310.4	2321.0	2342.2	2338.7	2324.6	2207.8	2179.4	2211.3
47.5°	2229.0	2229.0	2211.3	2200.7	2211.3	2229.0	2229.0	2211.3	2087.5	2059.2	2076.9
50°	2112.2	2108.7	2083.9	2080.4	2083.9	2108.7	2112.2	2101.6	1970.7	1945.9	1945.9
52.5°	1977.8	1977.8	1981.3	1988.4	1981.3	1977.8	1977.8	1981.3	1864.6	1839.8	1832.7
55°	1861.0	1864.6	1889.3	1896.4	1889.3	1864.6	1861.0	1861.0	1754.9	1730.2	1716.0
57.5°	1740.7	1740.7	1758.5	1758.5	1758.5	1740.7	1740.7	1733.6	1631.1	1609.8	1602.8
60°	1602.8	1609.8	1623.9	1620.5	1623.9	1609.8	1602.8	1595.6	1507.2	1493.1	1468.3
62.5°	1457.6	1464.8	1468.3	1461.2	1468.3	1464.8	1457.6	1436.5	1383.4	1372.8	1340.9
65°	1305.5	1312.6	1316.2	1309.1	1316.2	1312.6	1305.5	1294.9	1256.0	1238.3	1210.0
67.5°	1149.9	1146.3	1142.8	1156.9	1142.8	1146.3	1149.9	1135.8	1111.0	1096.8	1057.8
70°	990.6	990.6	987.1	994.2	987.1	990.6	990.6	980.0	965.9	955.3	919.9
72.5°	820.9	817.3	831.5	820.9	831.5	817.3	820.9	817.3	810.2	799.6	764.3
75°	654.6	661.6	654.6	665.2	654.6	661.6	654.6	658.0	654.6	647.5	622.7
77.5°	498.9	505.9	498.9	498.9	498.9	505.9	498.9	502.4	502.4	502.4	481.2
80°	353.8	350.3	350.3	346.7	350.3	350.3	353.8	353.8	357.3	350.3	343.2
82.5°	226.5	222.9	222.9	229.9	222.9	222.9	226.5	229.9	222.9	222.9	222.9
85°	123.8	127.4	120.3	120.3	120.3	127.4	123.8	116.8	123.8	123.8	120.3
87.5°	46.0	42.5	42.5	42.5	42.5	42.5	46.0	49.5	49.5	49.5	53.1
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.6	18.1	20.4	17.5
92.5°	51.0	48.9	40.9	32.8	40.9	48.9	51.0	72.2	100.6	114.8	100.8
95°	173.0	166.8	142.3	117.7	142.3	166.8	173.0	227.2	299.4	335.5	283.4
97.5°	399.4	387.7	341.0	294.2	341.0	387.7	399.4	433.6	479.2	502.1	415.2
100°	560.8	546.9	491.3	435.6	491.3	546.9	560.8	558.3	555.0	553.3	456.8
102.5°	698.7	686.7	639.0	591.4	639.0	686.7	698.7	655.0	596.9	567.8	470.0
105°	859.6	853.2	827.5	801.9	827.5	853.2	859.6	761.8	631.4	566.2	471.4
107.5°	943.3	944.8	951.1	957.2	951.1	944.8	943.3	806.8	624.9	534.0	450.4
110°	964.7	971.4	998.1	1024.8	998.1	971.4	964.7	812.2	608.9	507.2	431.8



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	951.1	961.4	1002.3	1043.3	1002.3	961.4	951.1	795.0	586.9	482.8	415.6
115°	904.7	918.9	975.7	1032.6	975.7	918.9	904.7	754.3	553.8	453.5	396.9
117.5°	840.6	856.4	919.4	982.4	919.4	856.4	840.6	704.9	524.0	433.5	385.3
120°	797.4	812.7	874.0	935.2	874.0	812.7	797.4	673.4	508.0	425.3	381.3
122.5°	754.2	769.3	829.8	890.2	829.8	769.3	754.2	642.5	493.6	419.2	379.3
125°	697.0	711.0	766.6	822.3	766.6	711.0	697.0	602.2	475.7	412.5	377.7
127.5°	651.2	662.9	709.9	756.9	709.9	662.9	651.2	569.8	461.1	406.9	376.7
130°	622.2	633.1	676.5	719.9	676.5	633.1	622.2	549.8	453.1	404.7	377.2
132.5°	597.6	607.3	646.2	685.0	646.2	607.3	597.6	532.7	446.1	402.8	377.7
135°	562.7	571.1	604.6	638.0	604.6	571.1	562.7	508.3	435.9	399.6	377.3
137.5°	536.9	543.8	571.2	598.7	571.2	543.8	536.9	490.9	429.7	399.1	379.6
140°	516.3	522.7	548.3	574.0	548.3	522.7	516.3	476.6	423.6	397.2	380.0
142.5°	501.8	507.4	529.4	551.5	529.4	507.4	501.8	466.9	420.4	397.2	381.3
145°	480.1	484.2	500.9	517.6	500.9	484.2	480.1	451.6	413.6	394.5	381.3
147.5°	461.8	465.3	479.2	493.0	479.2	465.3	461.8	439.4	409.5	394.5	384.0
150°	451.4	454.2	465.4	476.6	465.4	454.2	451.4	432.5	407.2	394.5	385.3
152.5°	443.1	445.2	453.6	462.1	453.6	445.2	443.1	426.9	405.3	394.5	386.2
155°	433.2	434.6	440.2	445.8	440.2	434.6	433.2	420.3	403.1	394.5	388.2
157.5°	424.5	425.5	429.5	433.5	429.5	425.5	424.5	414.5	401.2	394.5	390.2
160°	420.2	420.8	423.1	425.3	423.1	420.8	420.2	411.7	400.3	394.5	391.1
162.5°	416.2	416.8	418.9	421.0	418.9	416.8	416.2	409.0	399.4	394.5	392.0
165°	410.1	410.6	412.9	415.2	412.9	410.6	410.1	404.9	398.0	394.5	393.4
167.5°	407.4	407.7	408.6	409.5	408.6	407.7	407.4	404.0	399.4	397.2	396.2
170°	407.4	407.4	407.4	407.4	407.4	407.4	407.4	404.0	399.4	397.2	397.1
172.5°	405.2	405.1	404.2	403.4	404.2	405.1	405.2	402.6	399.0	397.2	397.2
175°	402.3	402.3	402.3	402.3	402.3	402.3	402.3	400.6	398.4	397.2	397.8
177.5°	401.8	401.5	400.6	399.6	400.6	401.5	401.8	400.4	398.6	397.8	398.2
180°	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6	399.6



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3693.8	3711.4	3722.0	3736.2	3771.6
5°	3552.3	3619.5	3640.7	3693.8	3757.5
7.5°	3240.9	3446.1	3502.7	3630.1	3729.1
10°	2940.1	3145.3	3244.4	3545.1	3693.8
12.5°	2788.0	2908.3	2975.5	3396.6	3644.2
15°	2692.5	2777.4	2826.9	3198.4	3587.6
17.5°	2618.1	2678.3	2713.7	3003.8	3509.8
20°	2572.2	2600.5	2632.3	2862.3	3421.3
22.5°	2540.3	2522.6	2547.4	2763.3	3301.0
25°	2519.2	2451.9	2480.2	2685.4	3159.5
27.5°	2536.8	2388.2	2398.8	2614.7	3010.9
30°	2540.3	2310.4	2313.9	2540.3	2844.6
32.5°	2515.6	2229.0	2232.5	2448.4	2657.1
35°	2455.4	2133.5	2130.0	2342.2	2402.4
37.5°	2374.0	2030.9	2030.9	2225.5	2122.8
40°	2275.0	1928.2	1938.9	2073.3	1875.2
42.5°	2154.7	1818.5	1832.7	1871.6	1691.2
45°	2023.7	1712.4	1723.0	1581.5	1549.7
47.5°	1878.7	1602.8	1606.3	1312.6	1503.7
50°	1705.4	1489.5	1475.4	1125.1	1500.1
52.5°	1553.2	1365.7	1323.2	1018.9	1362.1
55°	1404.6	1234.8	1142.8	937.6	1263.1
57.5°	1273.7	1065.0	976.5	842.1	1241.9
60°	1153.4	898.7	831.5	739.4	1139.3
62.5°	1054.4	774.9	760.7	668.7	1033.1
65°	948.2	689.9	686.4	608.6	877.4
67.5°	845.6	633.3	629.7	551.9	668.7
70°	736.0	573.2	566.1	491.8	495.3
72.5°	622.7	505.9	498.9	442.3	410.4
75°	509.5	428.1	424.5	385.6	332.6
77.5°	399.8	339.6	346.7	311.3	244.1
80°	286.6	247.7	254.8	222.9	184.0
82.5°	191.0	162.7	169.9	141.5	123.8
85°	106.1	92.0	95.5	74.3	56.6
87.5°	49.5	42.5	42.5	28.3	17.7
90°	11.8	7.5	7.0	4.8	2.7
92.5°	72.7	51.8	47.2	28.9	10.7
95°	179.1	100.9	92.5	59.1	25.7
97.5°	241.2	110.8	103.5	74.0	44.5
100°	263.9	119.1	112.4	85.7	59.0
102.5°	274.2	127.4	121.1	96.2	71.3
105°	281.9	139.7	134.4	113.4	92.3
107.5°	283.3	158.0	153.1	133.4	113.7
110°	281.2	168.2	163.7	145.9	128.2



TEST NUMBER: P934027

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	281.3	180.5	176.3	159.3	142.5
115°	283.9	199.1	195.1	179.5	163.9
117.5°	289.1	217.0	213.4	199.2	185.0
120°	293.4	227.4	224.1	210.7	197.4
122.5°	299.6	239.8	236.4	223.0	209.5
125°	308.0	255.6	252.6	240.3	228.0
127.5°	316.3	270.9	267.8	255.4	243.0
130°	322.3	281.1	277.8	264.4	251.0
132.5°	327.2	289.4	286.1	272.7	259.4
135°	332.6	299.0	296.0	283.9	271.7
137.5°	340.6	311.3	308.3	296.3	284.3
140°	345.5	319.7	317.0	305.8	294.7
142.5°	349.6	325.9	323.3	313.0	302.8
145°	355.0	335.3	333.0	324.1	315.2
147.5°	362.9	347.1	344.9	336.2	327.5
150°	367.0	353.2	351.2	343.4	335.5
152.5°	369.6	357.2	355.7	349.8	343.8
155°	375.5	366.1	365.0	360.5	356.2
157.5°	381.5	375.0	373.9	369.5	365.3
160°	384.2	379.0	378.2	374.8	371.5
162.5°	387.0	383.3	382.7	380.2	377.7
165°	391.1	389.5	388.9	386.6	384.4
167.5°	394.4	392.9	392.7	391.6	390.5
170°	397.0	396.9	396.7	395.6	394.5
172.5°	397.2	397.2	397.1	396.9	396.7
175°	398.8	399.6	399.6	399.6	399.6
177.5°	399.0	399.6	399.6	399.6	399.6
180°	399.6	399.6	399.6	399.6	399.6



TEST NUMBER: P934027
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-3500K

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	15.65	16.85	16.31	17.53	18.32	18.50	19.70	19.17	20.38	21.17
	3H	16.15	17.23	16.83	17.92	18.74	19.88	20.96	20.56	21.65	22.47
	4H	16.36	17.38	17.06	18.08	18.91	20.34	21.36	21.04	22.06	22.89
	6H	16.50	17.43	17.20	18.14	18.99	20.65	21.59	21.36	22.30	23.15
	8H	16.51	17.40	17.23	18.13	18.98	20.74	21.63	21.46	22.36	23.21
	12H	16.49	17.34	17.21	18.07	18.95	20.79	21.65	21.52	22.37	23.25
4H	2H	16.73	17.75	17.43	18.44	19.28	18.95	19.97	19.65	20.67	21.50
	3H	17.79	18.63	18.50	19.37	20.22	20.49	21.34	21.21	22.08	22.93
	4H	18.08	18.85	18.81	19.59	20.47	21.04	21.81	21.77	22.55	23.43
	6H	18.22	18.89	18.97	19.65	20.54	21.43	22.10	22.18	22.86	23.75
	8H	18.24	18.86	18.99	19.62	20.52	21.55	22.17	22.30	22.93	23.84
	12H	18.22	18.78	18.99	19.56	20.47	21.63	22.18	22.40	22.97	23.88
8H	4H	18.56	19.18	19.31	19.94	20.85	21.19	21.81	21.94	22.58	23.48
	6H	18.84	19.35	19.62	20.16	21.06	21.65	22.16	22.43	22.97	23.87
	8H	18.88	19.34	19.68	20.15	21.07	21.81	22.27	22.60	23.07	23.99
	12H	18.88	19.29	19.68	20.08	21.06	21.92	22.33	22.72	23.12	24.10
12H	4H	18.58	19.14	19.36	19.93	20.84	21.17	21.73	21.94	22.52	23.43
	6H	18.90	19.36	19.69	20.17	21.09	21.65	22.11	22.44	22.91	23.83
	8H	18.98	19.39	19.78	20.18	21.16	21.83	22.23	22.62	23.03	24.01