

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: P934029

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934029
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-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

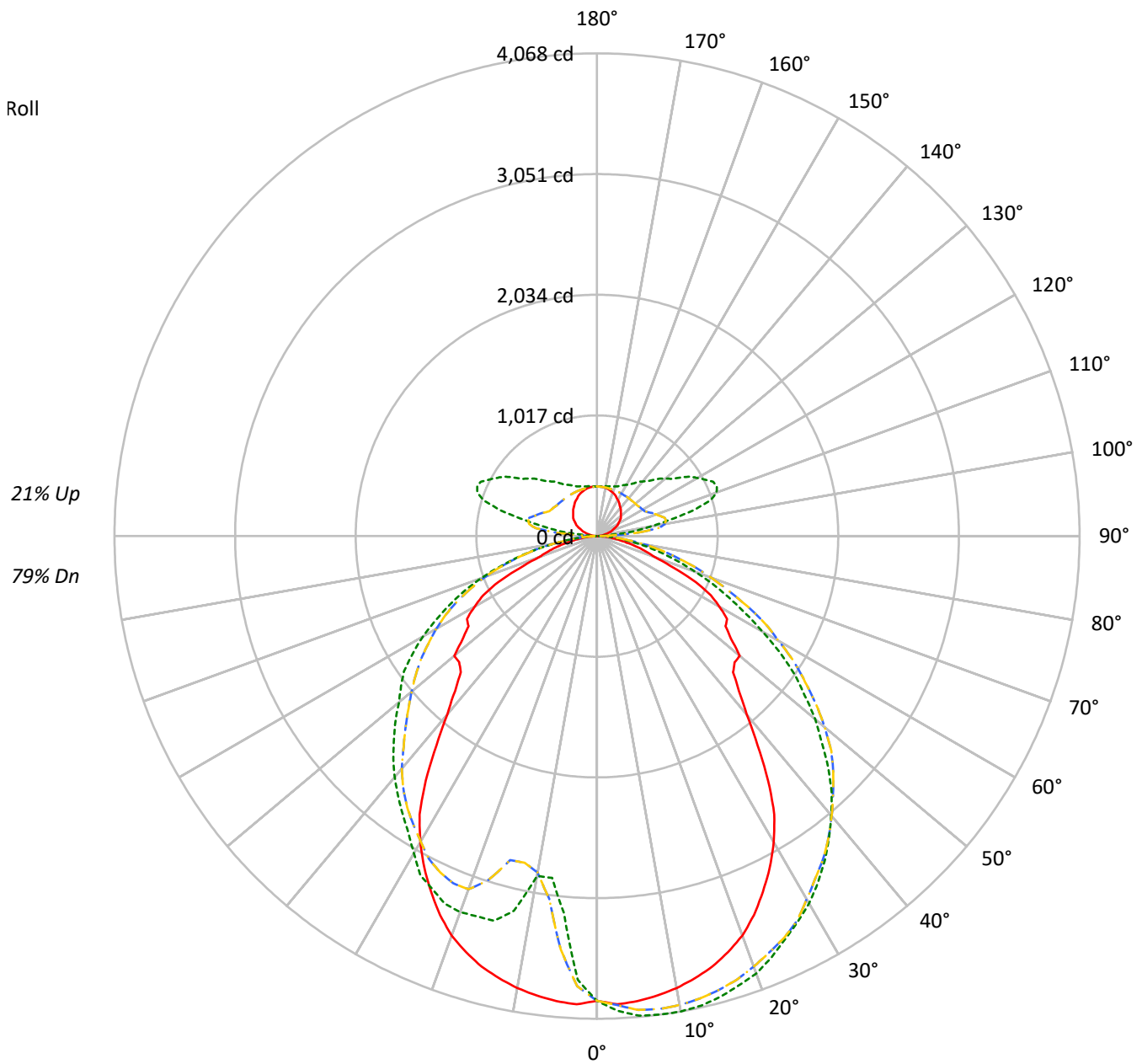
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12868.1 lumens
Efficiency: N/A
Efficacy: 110.6 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 (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79			79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67			67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56			56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47			47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41			41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35			35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31			31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27			27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24			24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22			22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20			20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12112	12112	12112	12112
5°	12208	12227	12208	9615
10°	12130	12044	12130	8611
15°	12003	11783	12003	9839
20°	11757	11474	11757	9860
25°	11248	11024	11248	9651
30°	10588	10649	10588	9193
35°	9444	10176	9444	8688
40°	7873	9618	7873	8307
45°	7039	8966	7039	7869
50°	7485	8188	7485	7430
55°	7048	7349	7048	7175
60°	7275	6242	7275	6572
65°	6606	5160	6606	5768
70°	4586	4112	4586	4835
75°	4037	3040	4037	3640
80°	3276	2009	3276	2188
85°	1921	1064	1921	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10783 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	2.7
10°-20°	1003.7	7.8
20°-30°	1551.5	12.1
30°-40°	1852.1	14.4
40°-50°	1863.0	14.5
50°-60°	1621.0	12.6
60°-70°	1149.3	8.9
70°-80°	608.1	4.7
80°-90°	153.0	1.2
90°-100°	204.0	1.6
100°-110°	536.3	4.2
110°-120°	556.1	4.3
120°-130°	446.0	3.5
130°-140°	350.0	2.7
140°-150°	268.6	2.1
150°-160°	193.5	1.5
160°-170°	118.4	0.9
170°-180°	40.0	0.3
0°-30°	2908.7	22.6
0°-40°	4760.8	37.0
0°-60°	8244.9	64.1
0°-90°	10155.3	78.9
90°-120°	1296.3	10.1
90°-150°	2361.0	18.3
90°-180°	2713.0	21.1
0°-180°	12868.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3916	3916	3916	3916	3916	
5°	3935	4057	3935	3190	3935	373
15°	3757	4020	3757	3357	3757	1057
25°	3308	3749	3308	3282	3308	1519
35°	2516	3346	2516	2856	2516	1556
45°	1623	2756	1623	2419	1623	1300
55°	1323	2034	1323	1986	1323	1215
65°	919	1226	919	1371	919	878
75°	348	582	348	696	348	366
85°	59	148	59	126	59	80
90°	3	11	3	11	3	5
95°	27	123	27	123	27	30
105°	97	840	97	840	97	102
115°	172	1081	172	1081	172	169
125°	239	861	239	861	239	212
135°	284	668	284	668	284	220
145°	330	542	330	542	330	207
155°	373	467	373	467	373	171
165°	402	435	402	435	402	114
175°	418	421	418	421	418	40
180°	418	418	418	418	418	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3949.4	3949.4	3971.7	3979.0	3979.0	3967.9	3956.8	3967.9	4001.3	4012.4	4008.7
5°	3934.6	3964.3	4005.0	4012.4	4019.8	4016.2	4008.7	4016.2	4053.2	4060.5	4064.3
7.5°	3904.9	3960.5	4012.4	4023.5	4034.7	4023.5	4019.8	4027.3	4064.3	4071.7	4071.7
10°	3867.9	3945.8	4005.0	4012.4	4023.5	4012.4	4012.4	4027.3	4064.3	4071.7	4075.4
12.5°	3816.0	3923.5	3979.0	3986.5	4001.3	3997.6	3993.9	4008.7	4045.8	4053.2	4053.2
15°	3756.8	3882.8	3934.6	3942.0	3967.9	3960.5	3960.5	3975.4	4016.2	4027.3	4023.5
17.5°	3675.3	3830.9	3890.2	3901.3	3919.8	3916.0	3919.8	3934.6	3971.7	3979.0	3982.8
20°	3582.6	3760.5	3830.9	3842.0	3860.5	3860.5	3860.5	3879.0	3916.0	3930.9	3930.9
22.5°	3456.6	3686.4	3760.5	3767.9	3790.1	3790.1	3797.5	3823.4	3856.8	3860.5	3860.5
25°	3308.5	3604.9	3667.9	3690.1	3712.3	3723.4	3734.5	3749.4	3760.5	3756.8	3760.5
27.5°	3152.9	3501.1	3582.6	3597.5	3627.1	3638.2	3653.0	3656.8	3660.4	3671.5	3664.1
30°	2978.7	3356.6	3478.9	3493.7	3541.9	3549.3	3534.5	3541.9	3560.4	3567.9	3575.3
32.5°	2782.3	3141.7	3371.5	3404.8	3449.3	3427.0	3423.4	3434.5	3464.1	3464.1	3471.5
35°	2515.7	2975.1	3271.5	3301.1	3334.4	3308.5	3323.3	3327.0	3345.5	3356.6	3353.0
37.5°	2222.9	2830.6	3167.7	3190.0	3215.9	3182.5	3204.7	3215.9	3230.7	3223.2	3223.2
40°	1963.6	2604.6	3045.5	3060.2	3082.5	3056.6	3078.7	3086.2	3093.6	3086.2	3082.5
42.5°	1771.0	2356.3	2915.7	2934.3	2919.5	2938.0	2945.4	2960.2	2949.1	2934.3	2934.3
45°	1622.7	2289.7	2775.0	2797.2	2775.0	2804.6	2815.7	2815.7	2782.3	2775.0	2771.3
47.5°	1574.6	2156.3	2634.2	2634.2	2623.1	2660.1	2678.7	2652.7	2619.3	2608.3	2608.3
50°	1570.9	2008.0	2441.5	2426.7	2478.6	2523.1	2504.5	2478.6	2452.7	2411.9	2411.9
52.5°	1426.4	1826.5	2193.3	2248.9	2330.4	2356.3	2326.7	2300.8	2256.3	2237.8	2222.9
55°	1322.6	1637.6	1967.3	2078.4	2163.7	2197.0	2141.4	2115.5	2048.8	2037.7	2030.3
57.5°	1300.5	1363.4	1759.9	1900.6	2004.4	2000.6	1967.3	1919.1	1863.5	1852.5	1848.8
60°	1193.0	985.5	1537.5	1704.2	1811.7	1800.6	1771.0	1726.5	1674.6	1667.2	1659.8
62.5°	1081.8	715.1	1285.6	1474.6	1626.5	1622.7	1596.9	1530.1	1493.1	1474.6	1459.7
65°	918.8	600.2	915.1	1226.3	1444.9	1452.3	1396.7	1348.6	1307.8	1285.6	1281.9
67.5°	700.2	489.0	618.7	1022.6	1270.8	1263.3	1193.0	1170.7	1118.8	1107.7	1085.6
70°	518.7	326.0	429.8	829.9	1100.3	1081.8	1026.2	1000.3	952.2	926.2	911.4
72.5°	429.8	263.0	314.9	644.7	926.2	904.0	855.8	826.2	785.4	763.2	748.4
75°	348.3	277.9	240.8	477.9	752.1	737.3	692.8	663.2	629.8	600.2	603.9
77.5°	255.6	259.4	192.6	352.0	596.5	574.3	548.3	511.3	496.4	466.8	466.8
80°	192.6	203.8	144.5	240.8	429.8	429.8	407.5	381.6	355.7	340.9	340.9
82.5°	129.6	129.6	107.4	151.9	292.7	281.5	266.8	259.4	244.5	237.1	237.1
85°	59.3	74.1	66.6	92.6	159.3	166.8	166.8	159.3	155.6	148.2	151.9
87.5°	18.5	33.4	40.8	51.9	81.5	85.2	88.9	88.9	88.9	92.6	92.6
90°	2.8	5.0	7.3	7.9	12.3	18.3	21.3	19.0	14.2	10.7	10.7
92.5°	11.2	30.3	49.4	54.2	76.2	105.5	120.2	105.3	75.6	53.4	51.2
95°	26.9	61.9	96.8	105.6	187.5	296.8	351.4	313.5	237.9	181.1	174.7
97.5°	46.6	77.5	108.3	116.0	252.6	434.7	525.8	501.8	454.1	418.2	405.9
100°	61.8	89.7	117.7	124.7	276.3	478.4	579.4	581.2	584.7	587.3	572.7
102.5°	74.7	100.8	126.8	133.4	287.1	492.1	594.6	625.0	685.9	731.6	719.1
105°	96.6	118.7	140.8	146.3	295.2	493.6	592.9	661.1	797.7	900.1	893.4
107.5°	119.1	139.6	160.3	165.4	296.7	471.7	559.1	654.4	844.9	987.8	989.4
110°	134.2	152.8	171.4	176.1	294.4	452.2	531.1	637.6	850.5	1010.2	1017.2



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	149.2	166.8	184.6	189.0	294.5	435.2	505.6	614.6	832.4	995.9	1006.7
115°	171.6	188.0	204.3	208.4	297.2	415.7	474.9	579.9	789.8	947.3	962.2
117.5°	193.8	208.6	223.5	227.2	302.8	403.5	453.9	548.7	738.1	880.2	896.8
120°	206.7	220.7	234.7	238.2	307.2	399.3	445.4	531.9	705.1	835.0	851.0
122.5°	219.4	233.5	247.5	251.1	313.7	397.2	438.9	516.9	672.8	789.7	805.5
125°	238.7	251.6	264.5	267.7	322.5	395.5	431.9	498.1	630.6	729.9	744.5
127.5°	254.4	267.4	280.4	283.7	331.2	394.4	426.0	482.9	596.6	681.9	694.2
130°	262.8	276.9	290.9	294.3	337.5	395.0	423.8	474.5	575.7	651.6	663.0
132.5°	271.6	285.6	299.6	303.0	342.7	395.5	421.8	467.2	557.8	625.8	636.0
135°	284.5	297.2	309.9	313.1	348.3	395.1	418.5	456.4	532.3	589.2	598.0
137.5°	297.7	310.3	322.8	326.0	356.7	397.5	417.9	450.0	514.1	562.2	569.4
140°	308.6	320.2	331.9	334.8	361.8	397.9	415.9	443.6	499.0	540.6	547.4
142.5°	317.1	327.8	338.6	341.3	366.1	399.3	415.9	440.2	488.9	525.5	531.3
145°	330.0	339.4	348.7	351.1	371.7	399.3	413.1	433.0	472.9	502.7	507.1
147.5°	342.9	352.0	361.2	363.4	380.0	402.1	413.1	428.8	460.2	483.6	487.3
150°	351.4	359.6	367.8	369.9	384.3	403.5	413.1	426.4	452.9	472.7	475.6
152.5°	360.0	366.3	372.5	374.1	387.1	404.4	413.1	424.4	447.1	464.0	466.2
155°	372.9	377.5	382.2	383.3	393.2	406.5	413.1	422.1	440.2	453.6	455.1
157.5°	382.5	387.0	391.5	392.7	399.5	408.6	413.1	420.2	434.1	444.5	445.6
160°	389.0	392.5	396.0	396.9	402.3	409.5	413.1	419.1	431.1	440.1	440.6
162.5°	395.5	398.1	400.7	401.4	405.3	410.5	413.1	418.2	428.3	435.9	436.4
165°	402.5	404.8	407.3	407.8	409.6	411.9	413.1	416.8	424.0	429.4	430.0
167.5°	408.9	410.1	411.2	411.5	413.0	414.9	415.9	418.3	423.0	426.6	426.9
170°	413.1	414.3	415.4	415.7	415.8	415.9	415.9	418.3	423.0	426.6	426.6
172.5°	415.4	415.7	415.9	415.9	415.9	415.9	415.9	417.8	421.6	424.4	424.2
175°	418.5	418.5	418.5	418.5	417.6	416.5	415.9	417.2	419.5	421.3	421.3
177.5°	418.5	418.5	418.5	418.5	417.8	417.0	416.5	417.4	419.3	420.7	420.4
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	4016.2	4005.0	4016.2	4008.7	4012.4	4001.3	3967.9	3956.8	3967.9	3979.0	3979.0
5°	4064.3	4056.9	4064.3	4064.3	4060.5	4053.2	4016.2	4008.7	4016.2	4019.8	4012.4
7.5°	4079.1	4068.0	4079.1	4071.7	4071.7	4064.3	4027.3	4019.8	4023.5	4034.7	4023.5
10°	4079.1	4068.0	4079.1	4075.4	4071.7	4064.3	4027.3	4012.4	4012.4	4023.5	4012.4
12.5°	4060.5	4053.2	4060.5	4053.2	4053.2	4045.8	4008.7	3993.9	3997.6	4001.3	3986.5
15°	4030.9	4019.8	4030.9	4023.5	4027.3	4016.2	3975.4	3960.5	3960.5	3967.9	3942.0
17.5°	3986.5	3971.7	3986.5	3982.8	3979.0	3971.7	3934.6	3919.8	3916.0	3919.8	3901.3
20°	3934.6	3923.5	3934.6	3930.9	3930.9	3916.0	3879.0	3860.5	3860.5	3860.5	3842.0
22.5°	3853.1	3842.0	3853.1	3860.5	3860.5	3856.8	3823.4	3797.5	3790.1	3790.1	3767.9
25°	3760.5	3749.4	3760.5	3760.5	3756.8	3760.5	3749.4	3734.5	3723.4	3712.3	3690.1
27.5°	3671.5	3664.1	3671.5	3664.1	3671.5	3660.4	3656.8	3653.0	3638.2	3627.1	3597.5
30°	3582.6	3575.3	3582.6	3575.3	3567.9	3560.4	3541.9	3534.5	3549.3	3541.9	3493.7
32.5°	3471.5	3464.1	3471.5	3471.5	3464.1	3464.1	3434.5	3423.4	3427.0	3449.3	3404.8
35°	3356.6	3345.5	3356.6	3353.0	3356.6	3345.5	3327.0	3323.3	3308.5	3334.4	3301.1
37.5°	3223.2	3212.1	3223.2	3223.2	3223.2	3230.7	3215.9	3204.7	3182.5	3215.9	3190.0
40°	3086.2	3071.4	3086.2	3082.5	3086.2	3093.6	3086.2	3078.7	3056.6	3082.5	3060.2
42.5°	2930.6	2926.8	2930.6	2934.3	2934.3	2949.1	2960.2	2945.4	2938.0	2919.5	2934.3
45°	2763.8	2756.4	2763.8	2771.3	2775.0	2782.3	2815.7	2815.7	2804.6	2775.0	2797.2
47.5°	2586.1	2567.5	2586.1	2608.3	2608.3	2619.3	2652.7	2678.7	2660.1	2623.1	2634.2
50°	2397.1	2400.8	2397.1	2411.9	2411.9	2452.7	2478.6	2504.5	2523.1	2478.6	2426.7
52.5°	2211.8	2208.1	2211.8	2222.9	2237.8	2256.3	2300.8	2326.7	2356.3	2330.4	2248.9
55°	2026.5	2034.0	2026.5	2030.3	2037.7	2048.8	2115.5	2141.4	2197.0	2163.7	2078.4
57.5°	1841.4	1830.2	1841.4	1848.8	1852.5	1863.5	1919.1	1967.3	2000.6	2004.4	1900.6
60°	1626.5	1611.6	1626.5	1659.8	1667.2	1674.6	1726.5	1771.0	1800.6	1811.7	1704.2
62.5°	1437.5	1411.6	1437.5	1459.7	1474.6	1493.1	1530.1	1596.9	1622.7	1626.5	1474.6
65°	1237.5	1226.3	1237.5	1281.9	1285.6	1307.8	1348.6	1396.7	1452.3	1444.9	1226.3
67.5°	1055.9	1055.9	1055.9	1085.6	1107.7	1118.8	1170.7	1193.0	1263.3	1270.8	1022.6
70°	889.2	885.4	889.2	911.4	926.2	952.2	1000.3	1026.2	1081.8	1100.3	829.9
72.5°	729.9	726.2	729.9	748.4	763.2	785.4	826.2	855.8	904.0	926.2	644.7
75°	589.1	581.7	589.1	603.9	600.2	629.8	663.2	692.8	737.3	752.1	477.9
77.5°	452.0	452.0	452.0	466.8	466.8	496.4	511.3	548.3	574.3	596.5	352.0
80°	337.1	333.4	337.1	340.9	340.9	355.7	381.6	407.5	429.8	429.8	240.8
82.5°	237.1	229.7	237.1	237.1	237.1	244.5	259.4	266.8	281.5	292.7	151.9
85°	148.2	148.2	148.2	151.9	148.2	155.6	159.3	166.8	166.8	159.3	92.6
87.5°	96.4	92.6	96.4	92.6	92.6	88.9	88.9	88.9	85.2	81.5	51.9
90°	10.7	10.7	10.7	10.7	10.7	14.2	19.0	21.3	18.3	12.3	7.9
92.5°	42.8	34.3	42.8	51.2	53.4	75.6	105.3	120.2	105.5	76.2	54.2
95°	149.0	123.3	149.0	174.7	181.1	237.9	313.5	351.4	296.8	187.5	105.6
97.5°	357.1	308.1	357.1	405.9	418.2	454.1	501.8	525.8	434.7	252.6	116.0
100°	514.5	456.1	514.5	572.7	587.3	584.7	581.2	579.4	478.4	276.3	124.7
102.5°	669.2	619.2	669.2	719.1	731.6	685.9	625.0	594.6	492.1	287.1	133.4
105°	866.6	839.7	866.6	893.4	900.1	797.7	661.1	592.9	493.6	295.2	146.3
107.5°	995.9	1002.4	995.9	989.4	987.8	844.9	654.4	559.1	471.7	296.7	165.4
110°	1045.2	1073.1	1045.2	1017.2	1010.2	850.5	637.6	531.1	452.2	294.4	176.1



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1049.6	1092.5	1049.6	1006.7	995.9	832.4	614.6	505.6	435.2	294.5	189.0
115°	1021.7	1081.3	1021.7	962.2	947.3	789.8	579.9	474.9	415.7	297.2	208.4
117.5°	962.7	1028.7	962.7	896.8	880.2	738.1	548.7	453.9	403.5	302.8	227.2
120°	915.2	979.3	915.2	851.0	835.0	705.1	531.9	445.4	399.3	307.2	238.2
122.5°	868.9	932.2	868.9	805.5	789.7	672.8	516.9	438.9	397.2	313.7	251.1
125°	802.7	861.1	802.7	744.5	729.9	630.6	498.1	431.9	395.5	322.5	267.7
127.5°	743.4	792.5	743.4	694.2	681.9	596.6	482.9	426.0	394.4	331.2	283.7
130°	708.4	753.8	708.4	663.0	651.6	575.7	474.5	423.8	395.0	337.5	294.3
132.5°	676.6	717.3	676.6	636.0	625.8	557.8	467.2	421.8	395.5	342.7	303.0
135°	633.1	668.1	633.1	598.0	589.2	532.3	456.4	418.5	395.1	348.3	313.1
137.5°	598.1	626.9	598.1	569.4	562.2	514.1	450.0	417.9	397.5	356.7	326.0
140°	574.2	601.0	574.2	547.4	540.6	499.0	443.6	415.9	397.9	361.8	334.8
142.5°	554.4	577.5	554.4	531.3	525.5	488.9	440.2	415.9	399.3	366.1	341.3
145°	524.6	542.0	524.6	507.1	502.7	472.9	433.0	413.1	399.3	371.7	351.1
147.5°	501.8	516.2	501.8	487.3	483.6	460.2	428.8	413.1	402.1	380.0	363.4
150°	487.4	499.0	487.4	475.6	472.7	452.9	426.4	413.1	403.5	384.3	369.9
152.5°	475.0	483.9	475.0	466.2	464.0	447.1	424.4	413.1	404.4	387.1	374.1
155°	460.9	466.8	460.9	455.1	453.6	440.2	422.1	413.1	406.5	393.2	383.3
157.5°	449.8	453.9	449.8	445.6	444.5	434.1	420.2	413.1	408.6	399.5	392.7
160°	443.1	445.4	443.1	440.6	440.1	431.1	419.1	413.1	409.5	402.3	396.9
162.5°	438.7	440.9	438.7	436.4	435.9	428.3	418.2	413.1	410.5	405.3	401.4
165°	432.4	434.7	432.4	430.0	429.4	424.0	416.8	413.1	411.9	409.6	407.8
167.5°	427.8	428.8	427.8	426.9	426.6	423.0	418.3	415.9	414.9	413.0	411.5
170°	426.6	426.6	426.6	426.6	426.6	423.0	418.3	415.9	415.9	415.8	415.7
172.5°	423.2	422.4	423.2	424.2	424.4	421.6	417.8	415.9	415.9	415.9	415.9
175°	421.3	421.3	421.3	421.3	421.3	419.5	417.2	415.9	416.5	417.6	418.5
177.5°	419.5	418.5	419.5	420.4	420.7	419.3	417.4	416.5	417.0	417.8	418.5
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3971.7	3949.4	3949.4	3912.4	3897.5	3886.4	3867.9	3812.4	3797.5	3782.7	3804.9
5°	4005.0	3964.3	3934.6	3867.9	3812.4	3790.1	3719.8	3586.4	3497.4	3430.7	3393.7
7.5°	4012.4	3960.5	3904.9	3801.3	3667.9	3608.6	3393.7	3149.2	3082.5	3023.2	2986.1
10°	4005.0	3945.8	3867.9	3712.3	3397.4	3293.6	3078.7	2919.5	2878.7	2867.6	2878.7
12.5°	3979.0	3923.5	3816.0	3556.7	3115.8	3045.5	2919.5	2826.8	2819.4	2838.0	2938.0
15°	3934.6	3882.8	3756.8	3349.2	2960.2	2908.3	2819.4	2786.1	2826.8	2956.5	3256.6
17.5°	3890.2	3830.9	3675.3	3145.5	2841.7	2804.6	2741.6	2808.3	3038.0	3212.1	3312.2
20°	3830.9	3760.5	3582.6	2997.2	2756.4	2723.1	2693.4	2993.6	3167.7	3230.7	3286.2
22.5°	3760.5	3686.4	3456.6	2893.6	2667.6	2641.6	2660.1	3097.3	3167.7	3212.1	3260.3
25°	3667.9	3604.9	3308.5	2812.1	2597.2	2567.5	2637.9	3086.2	3127.0	3138.1	3234.4
27.5°	3582.6	3501.1	3152.9	2737.9	2511.9	2500.8	2656.4	3038.0	3067.7	3078.7	3182.5
30°	3478.9	3356.6	2978.7	2660.1	2423.0	2419.3	2660.1	2978.7	2971.3	3001.0	3104.7
32.5°	3371.5	3141.7	2782.3	2563.8	2337.8	2334.1	2634.2	2889.8	2882.4	2923.2	3001.0
35°	3271.5	2975.1	2515.7	2452.7	2230.4	2234.0	2571.2	2786.1	2789.8	2826.8	2875.0
37.5°	3167.7	2830.6	2222.9	2330.4	2126.6	2126.6	2485.9	2689.8	2682.3	2693.4	2760.2
40°	3045.5	2604.6	1963.6	2171.0	2030.3	2019.2	2382.3	2586.1	2560.1	2556.4	2649.1
42.5°	2915.7	2356.3	1771.0	1959.9	1919.1	1904.3	2256.3	2460.1	2411.9	2423.0	2541.6
45°	2775.0	2289.7	1622.7	1656.1	1804.3	1793.1	2119.2	2315.5	2282.2	2311.9	2434.2
47.5°	2634.2	2156.3	1574.6	1374.5	1682.0	1678.4	1967.3	2174.8	2156.3	2185.9	2315.5
50°	2441.5	2008.0	1570.9	1178.2	1545.0	1559.7	1785.8	2037.7	2037.7	2063.6	2200.7
52.5°	2193.3	1826.5	1426.4	1067.0	1385.6	1430.1	1626.5	1919.1	1926.5	1952.5	2074.8
55°	1967.3	1637.6	1322.6	981.8	1196.7	1293.0	1470.9	1796.9	1811.7	1837.6	1948.8
57.5°	1759.9	1363.4	1300.5	881.8	1022.6	1115.2	1333.7	1678.4	1685.7	1708.0	1815.4
60°	1537.5	985.5	1193.0	774.3	870.7	941.1	1207.8	1537.5	1563.5	1578.3	1670.9
62.5°	1285.6	715.1	1081.8	700.2	796.6	811.4	1104.1	1404.1	1437.5	1448.6	1504.2
65°	915.1	600.2	918.8	637.3	718.8	722.4	992.9	1267.1	1296.7	1315.2	1356.0
67.5°	618.7	489.0	700.2	577.9	659.4	663.2	885.4	1107.7	1148.5	1163.3	1189.3
70°	429.8	326.0	518.7	515.0	592.8	600.2	770.7	963.3	1000.3	1011.4	1026.2
72.5°	314.9	263.0	429.8	463.1	522.4	529.8	652.1	800.3	837.3	848.4	855.8
75°	240.8	277.9	348.3	403.8	444.5	448.3	533.5	652.1	678.0	685.4	689.1
77.5°	192.6	259.4	255.6	326.0	363.0	355.7	418.7	503.9	526.1	526.1	526.1
80°	144.5	203.8	192.6	233.4	266.8	259.4	300.1	359.4	366.8	374.2	370.5
82.5°	107.4	129.6	129.6	148.2	177.9	170.4	200.0	233.4	233.4	233.4	240.8
85°	66.6	74.1	59.3	77.8	100.0	96.4	111.1	126.0	129.6	129.6	122.3
87.5°	40.8	33.4	18.5	29.6	44.5	44.5	51.9	55.6	51.9	51.9	51.9
90°	7.3	5.0	2.8	5.0	7.3	7.9	12.3	18.3	21.3	19.0	14.2
92.5°	49.4	30.3	11.2	30.3	49.4	54.2	76.2	105.5	120.2	105.3	75.6
95°	96.8	61.9	26.9	61.9	96.8	105.6	187.5	296.8	351.4	313.5	237.9
97.5°	108.3	77.5	46.6	77.5	108.3	116.0	252.6	434.7	525.8	501.8	454.1
100°	117.7	89.7	61.8	89.7	117.7	124.7	276.3	478.4	579.4	581.2	584.7
102.5°	126.8	100.8	74.7	100.8	126.8	133.4	287.1	492.1	594.6	625.0	685.9
105°	140.8	118.7	96.6	118.7	140.8	146.3	295.2	493.6	592.9	661.1	797.7
107.5°	160.3	139.6	119.1	139.6	160.3	165.4	296.7	471.7	559.1	654.4	844.9
110°	171.4	152.8	134.2	152.8	171.4	176.1	294.4	452.2	531.1	637.6	850.5



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	184.6	166.8	149.2	166.8	184.6	189.0	294.5	435.2	505.6	614.6	832.4
115°	204.3	188.0	171.6	188.0	204.3	208.4	297.2	415.7	474.9	579.9	789.8
117.5°	223.5	208.6	193.8	208.6	223.5	227.2	302.8	403.5	453.9	548.7	738.1
120°	234.7	220.7	206.7	220.7	234.7	238.2	307.2	399.3	445.4	531.9	705.1
122.5°	247.5	233.5	219.4	233.5	247.5	251.1	313.7	397.2	438.9	516.9	672.8
125°	264.5	251.6	238.7	251.6	264.5	267.7	322.5	395.5	431.9	498.1	630.6
127.5°	280.4	267.4	254.4	267.4	280.4	283.7	331.2	394.4	426.0	482.9	596.6
130°	290.9	276.9	262.8	276.9	290.9	294.3	337.5	395.0	423.8	474.5	575.7
132.5°	299.6	285.6	271.6	285.6	299.6	303.0	342.7	395.5	421.8	467.2	557.8
135°	309.9	297.2	284.5	297.2	309.9	313.1	348.3	395.1	418.5	456.4	532.3
137.5°	322.8	310.3	297.7	310.3	322.8	326.0	356.7	397.5	417.9	450.0	514.1
140°	331.9	320.2	308.6	320.2	331.9	334.8	361.8	397.9	415.9	443.6	499.0
142.5°	338.6	327.8	317.1	327.8	338.6	341.3	366.1	399.3	415.9	440.2	488.9
145°	348.7	339.4	330.0	339.4	348.7	351.1	371.7	399.3	413.1	433.0	472.9
147.5°	361.2	352.0	342.9	352.0	361.2	363.4	380.0	402.1	413.1	428.8	460.2
150°	367.8	359.6	351.4	359.6	367.8	369.9	384.3	403.5	413.1	426.4	452.9
152.5°	372.5	366.3	360.0	366.3	372.5	374.1	387.1	404.4	413.1	424.4	447.1
155°	382.2	377.5	372.9	377.5	382.2	383.3	393.2	406.5	413.1	422.1	440.2
157.5°	391.5	387.0	382.5	387.0	391.5	392.7	399.5	408.6	413.1	420.2	434.1
160°	396.0	392.5	389.0	392.5	396.0	396.9	402.3	409.5	413.1	419.1	431.1
162.5°	400.7	398.1	395.5	398.1	400.7	401.4	405.3	410.5	413.1	418.2	428.3
165°	407.3	404.8	402.5	404.8	407.3	407.8	409.6	411.9	413.1	416.8	424.0
167.5°	411.2	410.1	408.9	410.1	411.2	411.5	413.0	414.9	415.9	418.3	423.0
170°	415.4	414.3	413.1	414.3	415.4	415.7	415.8	415.9	415.9	418.3	423.0
172.5°	415.9	415.7	415.4	415.7	415.9	415.9	415.9	415.9	415.9	417.8	421.6
175°	418.5	418.5	418.5	418.5	418.5	418.5	417.6	416.5	415.9	417.2	419.5
177.5°	418.5	418.5	418.5	418.5	418.5	418.5	417.8	417.0	416.5	417.4	419.3
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3779.0	3767.9	3782.7	3741.9	3782.7	3767.9	3779.0	3804.9	3782.7	3797.5	3812.4
5°	3315.9	3297.4	3238.1	3190.0	3238.1	3297.4	3315.9	3393.7	3430.7	3497.4	3586.4
7.5°	2964.0	2949.1	2934.3	2904.6	2934.3	2949.1	2964.0	2986.1	3023.2	3082.5	3149.2
10°	2886.1	2889.8	2912.1	2908.3	2912.1	2889.8	2886.1	2878.7	2867.6	2878.7	2919.5
12.5°	3086.2	3119.5	3241.7	3234.4	3241.7	3119.5	3086.2	2938.0	2838.0	2819.4	2826.8
15°	3315.9	3327.0	3353.0	3356.6	3353.0	3327.0	3315.9	3256.6	2956.5	2826.8	2786.1
17.5°	3338.1	3341.9	3360.4	3360.4	3360.4	3341.9	3338.1	3312.2	3212.1	3038.0	2808.3
20°	3319.6	3327.0	3364.0	3371.5	3364.0	3327.0	3319.6	3286.2	3230.7	3167.7	2993.6
22.5°	3312.2	3327.0	3356.6	3353.0	3356.6	3327.0	3312.2	3260.3	3212.1	3167.7	3097.3
25°	3275.1	3275.1	3278.9	3282.5	3278.9	3275.1	3275.1	3234.4	3138.1	3127.0	3086.2
27.5°	3197.3	3204.7	3227.0	3223.2	3227.0	3204.7	3197.3	3182.5	3078.7	3067.7	3038.0
30°	3127.0	3119.5	3101.0	3086.2	3101.0	3119.5	3127.0	3104.7	3001.0	2971.3	2978.7
32.5°	3008.4	2989.8	2971.3	2960.2	2971.3	2989.8	3008.4	3001.0	2923.2	2882.4	2889.8
35°	2867.6	2871.3	2867.6	2856.5	2867.6	2871.3	2867.6	2875.0	2826.8	2789.8	2786.1
37.5°	2767.6	2775.0	2771.3	2756.4	2771.3	2775.0	2767.6	2760.2	2693.4	2682.3	2689.8
40°	2663.8	2667.6	2663.8	2652.7	2663.8	2667.6	2663.8	2649.1	2556.4	2560.1	2586.1
42.5°	2563.8	2560.1	2548.9	2541.6	2548.9	2560.1	2563.8	2541.6	2423.0	2411.9	2460.1
45°	2448.9	2452.7	2430.4	2419.3	2430.4	2452.7	2448.9	2434.2	2311.9	2282.2	2315.5
47.5°	2334.1	2334.1	2315.5	2304.4	2315.5	2334.1	2334.1	2315.5	2185.9	2156.3	2174.8
50°	2211.8	2208.1	2182.2	2178.5	2182.2	2208.1	2211.8	2200.7	2063.6	2037.7	2037.7
52.5°	2071.0	2071.0	2074.8	2082.2	2074.8	2071.0	2071.0	2074.8	1952.5	1926.5	1919.1
55°	1948.8	1952.5	1978.4	1985.8	1978.4	1952.5	1948.8	1948.8	1837.6	1811.7	1796.9
57.5°	1822.8	1822.8	1841.4	1841.4	1841.4	1822.8	1822.8	1815.4	1708.0	1685.7	1678.4
60°	1678.4	1685.7	1700.5	1696.9	1700.5	1685.7	1678.4	1670.9	1578.3	1563.5	1537.5
62.5°	1526.4	1533.9	1537.5	1530.1	1537.5	1533.9	1526.4	1504.2	1448.6	1437.5	1404.1
65°	1367.1	1374.5	1378.2	1370.8	1378.2	1374.5	1367.1	1356.0	1315.2	1296.7	1267.1
67.5°	1204.1	1200.3	1196.7	1211.5	1196.7	1200.3	1204.1	1189.3	1163.3	1148.5	1107.7
70°	1037.3	1037.3	1033.7	1041.1	1033.7	1037.3	1037.3	1026.2	1011.4	1000.3	963.3
72.5°	859.6	855.8	870.7	859.6	870.7	855.8	859.6	855.8	848.4	837.3	800.3
75°	685.4	692.8	685.4	696.5	685.4	692.8	685.4	689.1	685.4	678.0	652.1
77.5°	522.4	529.8	522.4	522.4	522.4	529.8	522.4	526.1	526.1	526.1	503.9
80°	370.5	366.8	366.8	363.0	366.8	366.8	370.5	370.5	374.2	366.8	359.4
82.5°	237.1	233.4	233.4	240.8	233.4	233.4	237.1	240.8	233.4	233.4	233.4
85°	129.6	133.4	126.0	126.0	126.0	133.4	129.6	122.3	129.6	129.6	126.0
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.9	51.9	51.9	55.6
90°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	14.2	19.0	21.3	18.3
92.5°	53.4	51.2	42.8	34.3	42.8	51.2	53.4	75.6	105.3	120.2	105.5
95°	181.1	174.7	149.0	123.3	149.0	174.7	181.1	237.9	313.5	351.4	296.8
97.5°	418.2	405.9	357.1	308.1	357.1	405.9	418.2	454.1	501.8	525.8	434.7
100°	587.3	572.7	514.5	456.1	514.5	572.7	587.3	584.7	581.2	579.4	478.4
102.5°	731.6	719.1	669.2	619.2	669.2	719.1	731.6	685.9	625.0	594.6	492.1
105°	900.1	893.4	866.6	839.7	866.6	893.4	900.1	797.7	661.1	592.9	493.6
107.5°	987.8	989.4	995.9	1002.4	995.9	989.4	987.8	844.9	654.4	559.1	471.7
110°	1010.2	1017.2	1045.2	1073.1	1045.2	1017.2	1010.2	850.5	637.6	531.1	452.2



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	995.9	1006.7	1049.6	1092.5	1049.6	1006.7	995.9	832.4	614.6	505.6	435.2
115°	947.3	962.2	1021.7	1081.3	1021.7	962.2	947.3	789.8	579.9	474.9	415.7
117.5°	880.2	896.8	962.7	1028.7	962.7	896.8	880.2	738.1	548.7	453.9	403.5
120°	835.0	851.0	915.2	979.3	915.2	851.0	835.0	705.1	531.9	445.4	399.3
122.5°	789.7	805.5	868.9	932.2	868.9	805.5	789.7	672.8	516.9	438.9	397.2
125°	729.9	744.5	802.7	861.1	802.7	744.5	729.9	630.6	498.1	431.9	395.5
127.5°	681.9	694.2	743.4	792.5	743.4	694.2	681.9	596.6	482.9	426.0	394.4
130°	651.6	663.0	708.4	753.8	708.4	663.0	651.6	575.7	474.5	423.8	395.0
132.5°	625.8	636.0	676.6	717.3	676.6	636.0	625.8	557.8	467.2	421.8	395.5
135°	589.2	598.0	633.1	668.1	633.1	598.0	589.2	532.3	456.4	418.5	395.1
137.5°	562.2	569.4	598.1	626.9	598.1	569.4	562.2	514.1	450.0	417.9	397.5
140°	540.6	547.4	574.2	601.0	574.2	547.4	540.6	499.0	443.6	415.9	397.9
142.5°	525.5	531.3	554.4	577.5	554.4	531.3	525.5	488.9	440.2	415.9	399.3
145°	502.7	507.1	524.6	542.0	524.6	507.1	502.7	472.9	433.0	413.1	399.3
147.5°	483.6	487.3	501.8	516.2	501.8	487.3	483.6	460.2	428.8	413.1	402.1
150°	472.7	475.6	487.4	499.0	487.4	475.6	472.7	452.9	426.4	413.1	403.5
152.5°	464.0	466.2	475.0	483.9	475.0	466.2	464.0	447.1	424.4	413.1	404.4
155°	453.6	455.1	460.9	466.8	460.9	455.1	453.6	440.2	422.1	413.1	406.5
157.5°	444.5	445.6	449.8	453.9	449.8	445.6	444.5	434.1	420.2	413.1	408.6
160°	440.1	440.6	443.1	445.4	443.1	440.6	440.1	431.1	419.1	413.1	409.5
162.5°	435.9	436.4	438.7	440.9	438.7	436.4	435.9	428.3	418.2	413.1	410.5
165°	429.4	430.0	432.4	434.7	432.4	430.0	429.4	424.0	416.8	413.1	411.9
167.5°	426.6	426.9	427.8	428.8	427.8	426.9	426.6	423.0	418.3	415.9	414.9
170°	426.6	426.6	426.6	426.6	426.6	426.6	426.6	423.0	418.3	415.9	415.9
172.5°	424.4	424.2	423.2	422.4	423.2	424.2	424.4	421.6	417.8	415.9	415.9
175°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	419.5	417.2	415.9	416.5
177.5°	420.7	420.4	419.5	418.5	419.5	420.4	420.7	419.3	417.4	416.5	417.0
180°	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3867.9	3886.4	3897.5	3912.4	3949.4
5°	3719.8	3790.1	3812.4	3867.9	3934.6
7.5°	3393.7	3608.6	3667.9	3801.3	3904.9
10°	3078.7	3293.6	3397.4	3712.3	3867.9
12.5°	2919.5	3045.5	3115.8	3556.7	3816.0
15°	2819.4	2908.3	2960.2	3349.2	3756.8
17.5°	2741.6	2804.6	2841.7	3145.5	3675.3
20°	2693.4	2723.1	2756.4	2997.2	3582.6
22.5°	2660.1	2641.6	2667.6	2893.6	3456.6
25°	2637.9	2567.5	2597.2	2812.1	3308.5
27.5°	2656.4	2500.8	2511.9	2737.9	3152.9
30°	2660.1	2419.3	2423.0	2660.1	2978.7
32.5°	2634.2	2334.1	2337.8	2563.8	2782.3
35°	2571.2	2234.0	2230.4	2452.7	2515.7
37.5°	2485.9	2126.6	2126.6	2330.4	2222.9
40°	2382.3	2019.2	2030.3	2171.0	1963.6
42.5°	2256.3	1904.3	1919.1	1959.9	1771.0
45°	2119.2	1793.1	1804.3	1656.1	1622.7
47.5°	1967.3	1678.4	1682.0	1374.5	1574.6
50°	1785.8	1559.7	1545.0	1178.2	1570.9
52.5°	1626.5	1430.1	1385.6	1067.0	1426.4
55°	1470.9	1293.0	1196.7	981.8	1322.6
57.5°	1333.7	1115.2	1022.6	881.8	1300.5
60°	1207.8	941.1	870.7	774.3	1193.0
62.5°	1104.1	811.4	796.6	700.2	1081.8
65°	992.9	722.4	718.8	637.3	918.8
67.5°	885.4	663.2	659.4	577.9	700.2
70°	770.7	600.2	592.8	515.0	518.7
72.5°	652.1	529.8	522.4	463.1	429.8
75°	533.5	448.3	444.5	403.8	348.3
77.5°	418.7	355.7	363.0	326.0	255.6
80°	300.1	259.4	266.8	233.4	192.6
82.5°	200.0	170.4	177.9	148.2	129.6
85°	111.1	96.4	100.0	77.8	59.3
87.5°	51.9	44.5	44.5	29.6	18.5
90°	12.3	7.9	7.3	5.0	2.8
92.5°	76.2	54.2	49.4	30.3	11.2
95°	187.5	105.6	96.8	61.9	26.9
97.5°	252.6	116.0	108.3	77.5	46.6
100°	276.3	124.7	117.7	89.7	61.8
102.5°	287.1	133.4	126.8	100.8	74.7
105°	295.2	146.3	140.8	118.7	96.6
107.5°	296.7	165.4	160.3	139.6	119.1
110°	294.4	176.1	171.4	152.8	134.2



TEST NUMBER: P934029

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	294.5	189.0	184.6	166.8	149.2
115°	297.2	208.4	204.3	188.0	171.6
117.5°	302.8	227.2	223.5	208.6	193.8
120°	307.2	238.2	234.7	220.7	206.7
122.5°	313.7	251.1	247.5	233.5	219.4
125°	322.5	267.7	264.5	251.6	238.7
127.5°	331.2	283.7	280.4	267.4	254.4
130°	337.5	294.3	290.9	276.9	262.8
132.5°	342.7	303.0	299.6	285.6	271.6
135°	348.3	313.1	309.9	297.2	284.5
137.5°	356.7	326.0	322.8	310.3	297.7
140°	361.8	334.8	331.9	320.2	308.6
142.5°	366.1	341.3	338.6	327.8	317.1
145°	371.7	351.1	348.7	339.4	330.0
147.5°	380.0	363.4	361.2	352.0	342.9
150°	384.3	369.9	367.8	359.6	351.4
152.5°	387.1	374.1	372.5	366.3	360.0
155°	393.2	383.3	382.2	377.5	372.9
157.5°	399.5	392.7	391.5	387.0	382.5
160°	402.3	396.9	396.0	392.5	389.0
162.5°	405.3	401.4	400.7	398.1	395.5
165°	409.6	407.8	407.3	404.8	402.5
167.5°	413.0	411.5	411.2	410.1	408.9
170°	415.8	415.7	415.4	414.3	413.1
172.5°	415.9	415.9	415.9	415.7	415.4
175°	417.6	418.5	418.5	418.5	418.5
177.5°	417.8	418.5	418.5	418.5	418.5
180°	418.5	418.5	418.5	418.5	418.5



TEST NUMBER: P934029
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-5000K

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	15.81	17.01	16.47	17.69	18.48	18.66	19.86	19.33	20.54	21.33
	3H	16.31	17.39	16.99	18.08	18.90	20.04	21.12	20.72	21.81	22.63
	4H	16.52	17.54	17.22	18.24	19.07	20.50	21.52	21.20	22.22	23.05
	6H	16.66	17.59	17.36	18.30	19.15	20.81	21.75	21.52	22.46	23.31
	8H	16.67	17.56	17.39	18.29	19.14	20.90	21.79	21.62	22.52	23.38
	12H	16.65	17.50	17.37	18.23	19.11	20.95	21.81	21.68	22.53	23.41
4H	2H	16.89	17.91	17.59	18.61	19.44	19.11	20.13	19.81	20.83	21.66
	3H	17.95	18.80	18.66	19.53	20.38	20.65	21.50	21.37	22.24	23.09
	4H	18.24	19.01	18.97	19.75	20.63	21.20	21.97	21.93	22.71	23.59
	6H	18.38	19.05	19.13	19.81	20.70	21.59	22.26	22.34	23.02	23.91
	8H	18.40	19.02	19.15	19.78	20.68	21.71	22.33	22.46	23.09	24.00
	12H	18.38	18.94	19.15	19.72	20.63	21.79	22.35	22.56	23.13	24.04
8H	4H	18.72	19.34	19.47	20.11	21.01	21.35	21.97	22.10	22.74	23.64
	6H	19.00	19.51	19.78	20.32	21.22	21.81	22.32	22.59	23.13	24.03
	8H	19.04	19.50	19.84	20.31	21.23	21.97	22.43	22.76	23.23	24.15
	12H	19.04	19.45	19.84	20.24	21.22	22.08	22.49	22.88	23.28	24.26
12H	4H	18.74	19.30	19.52	20.09	21.00	21.33	21.89	22.10	22.68	23.59
	6H	19.06	19.52	19.85	20.33	21.25	21.81	22.27	22.60	23.07	23.99
	8H	19.14	19.55	19.94	20.34	21.32	21.99	22.39	22.78	23.19	24.17