

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: P934056

Luminaire Tested: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934056
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

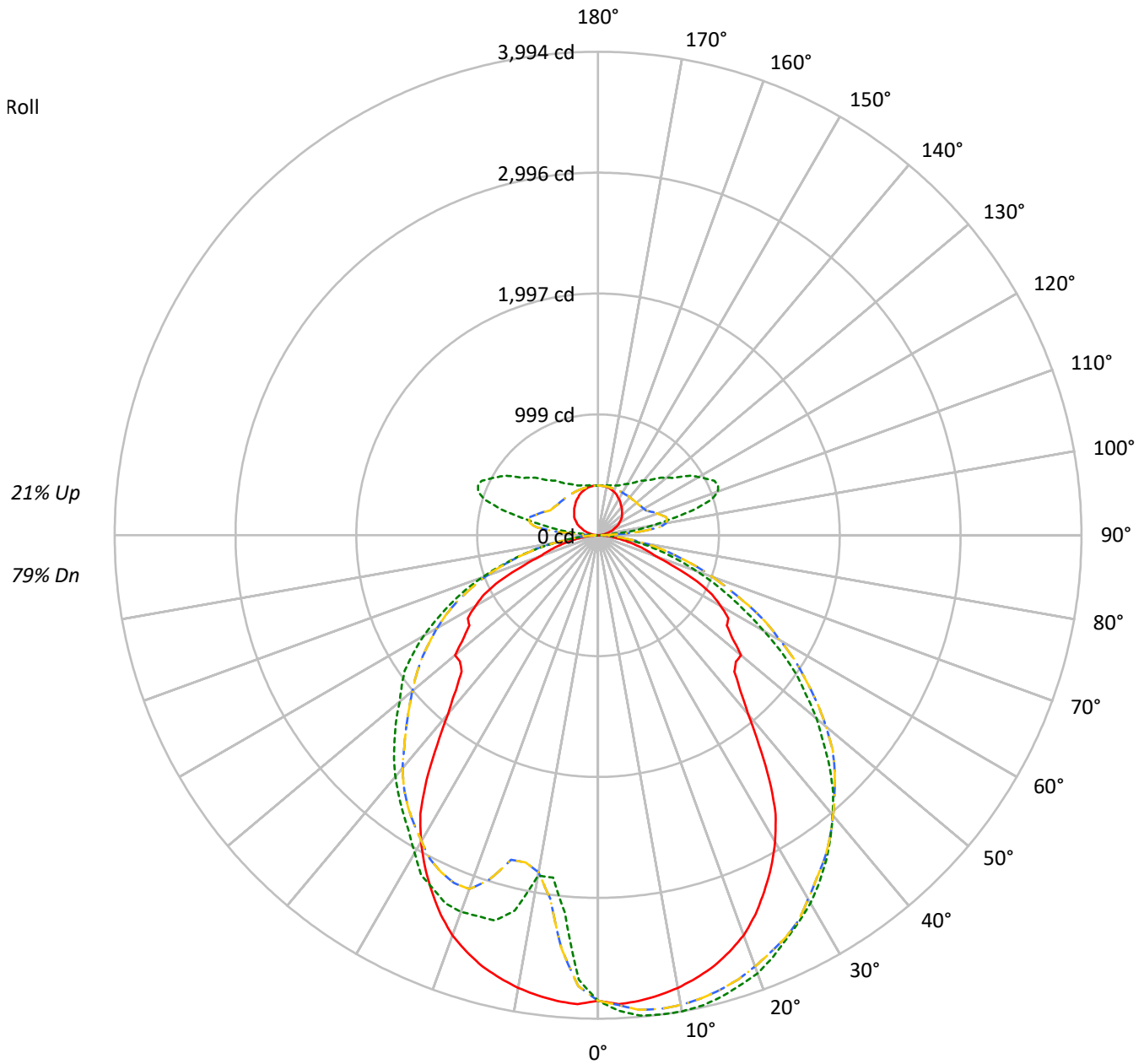
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12633.9 lumens
Efficiency: N/A
Efficacy: 108.5 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

TEST NUMBER: P934056
CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	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°	11892	11892	11892	11892
5°	11985	12005	11985	9439
10°	11910	11825	11910	8454
15°	11785	11569	11785	9660
20°	11543	11266	11543	9681
25°	11043	10823	11043	9475
30°	10395	10455	10395	9025
35°	9272	9990	9272	8530
40°	7730	9443	7730	8156
45°	6911	8803	6911	7726
50°	7349	8039	7349	7295
55°	6920	7216	6920	7044
60°	7143	6128	7143	6452
65°	6486	5066	6486	5663
70°	4502	4037	4502	4747
75°	3963	2984	3963	3574
80°	3216	1973	3216	2148
85°	1886	1045	1886	888

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10586 cd/sqm



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.1	2.7
10°-20°	985.4	7.8
20°-30°	1523.3	12.1
30°-40°	1818.4	14.4
40°-50°	1829.1	14.5
50°-60°	1591.5	12.6
60°-70°	1128.4	8.9
70°-80°	597.0	4.7
80°-90°	150.2	1.2
90°-100°	200.3	1.6
100°-110°	526.5	4.2
110°-120°	546.0	4.3
120°-130°	437.9	3.5
130°-140°	343.6	2.7
140°-150°	263.7	2.1
150°-160°	189.9	1.5
160°-170°	116.2	0.9
170°-180°	39.3	0.3
0°-30°	2855.7	22.6
0°-40°	4674.2	37.0
0°-60°	8094.8	64.1
0°-90°	9970.5	78.9
90°-120°	1272.7	10.1
90°-150°	2318.0	18.3
90°-180°	2663.0	21.1
0°-180°	12633.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3845	3845	3845	3845	3845	
5°	3863	3983	3863	3132	3863	366
15°	3688	3947	3688	3296	3688	1038
25°	3248	3681	3248	3223	3248	1491
35°	2470	3285	2470	2804	2470	1528
45°	1593	2706	1593	2375	1593	1276
55°	1298	1997	1298	1950	1298	1193
65°	902	1204	902	1346	902	862
75°	342	571	342	684	342	359
85°	58	146	58	124	58	79
90°	3	10	3	10	3	5
95°	26	121	26	121	26	29
105°	95	824	95	824	95	101
115°	168	1062	168	1062	168	166
125°	234	845	234	845	234	208
135°	279	656	279	656	279	216
145°	324	532	324	532	324	203
155°	366	458	366	458	366	168
165°	395	427	395	427	395	112
175°	411	414	411	414	411	39
180°	411	411	411	411	411	



TEST NUMBER: P934056
 CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3877.5	3877.5	3899.4	3906.6	3906.6	3895.7	3884.8	3895.7	3928.5	3939.4	3935.7
5°	3863.0	3892.1	3932.1	3939.4	3946.6	3943.1	3935.7	3943.1	3979.4	3986.7	3990.3
7.5°	3833.9	3888.5	3939.4	3950.3	3961.2	3950.3	3946.6	3954.0	3990.3	3997.6	3997.6
10°	3797.5	3874.0	3932.1	3939.4	3950.3	3939.4	3939.4	3954.0	3990.3	3997.6	4001.2
12.5°	3746.6	3852.1	3906.6	3914.0	3928.5	3924.8	3921.2	3935.7	3972.2	3979.4	3979.4
15°	3688.4	3812.1	3863.0	3870.3	3895.7	3888.5	3888.5	3903.0	3943.1	3954.0	3950.3
17.5°	3608.4	3761.2	3819.4	3830.3	3848.4	3844.8	3848.4	3863.0	3899.4	3906.6	3910.3
20°	3517.4	3692.1	3761.2	3772.1	3790.3	3790.3	3790.3	3808.4	3844.8	3859.4	3859.4
22.5°	3393.7	3619.3	3692.1	3699.3	3721.2	3721.2	3728.4	3753.8	3786.6	3790.3	3790.3
25°	3248.3	3539.3	3601.1	3623.0	3644.7	3655.6	3666.6	3681.1	3692.1	3688.4	3692.1
27.5°	3095.5	3437.4	3517.4	3532.0	3561.1	3572.0	3586.5	3590.2	3593.8	3604.7	3597.5
30°	2924.5	3295.5	3415.6	3430.2	3477.4	3484.7	3470.2	3477.4	3495.6	3502.9	3510.2
32.5°	2731.7	3084.6	3310.1	3342.8	3386.5	3364.6	3361.1	3372.0	3401.1	3401.1	3408.3
35°	2469.9	2920.9	3211.9	3241.0	3273.7	3248.3	3262.8	3266.4	3284.6	3295.5	3292.0
37.5°	2182.5	2779.1	3110.1	3131.9	3157.3	3124.6	3146.4	3157.3	3171.9	3164.6	3164.6
40°	1927.9	2557.2	2990.0	3004.5	3026.4	3001.0	3022.7	3030.0	3037.3	3030.0	3026.4
42.5°	1738.8	2313.4	2862.7	2880.9	2866.3	2884.5	2891.7	2906.3	2895.4	2880.9	2880.9
45°	1593.2	2248.0	2724.5	2746.3	2724.5	2753.5	2764.5	2764.5	2731.7	2724.5	2720.9
47.5°	1545.9	2117.0	2586.2	2586.2	2575.3	2611.7	2629.9	2604.4	2571.7	2560.8	2560.8
50°	1542.3	1971.5	2397.1	2382.5	2433.5	2477.1	2459.0	2433.5	2408.0	2368.0	2368.0
52.5°	1400.4	1793.3	2153.4	2208.0	2288.0	2313.4	2284.3	2258.9	2215.2	2197.1	2182.5
55°	1298.5	1607.8	1931.5	2040.6	2124.3	2157.0	2102.4	2077.0	2011.5	2000.6	1993.3
57.5°	1276.8	1338.5	1727.8	1866.0	1967.9	1964.2	1931.5	1884.2	1829.6	1818.8	1815.1
60°	1171.3	967.5	1509.5	1673.2	1778.8	1767.8	1738.8	1695.1	1644.1	1636.9	1629.6
62.5°	1062.1	702.0	1262.2	1447.8	1596.9	1593.2	1567.8	1502.3	1465.9	1447.8	1433.2
65°	902.1	589.3	898.4	1204.0	1418.6	1425.9	1371.3	1324.1	1284.0	1262.2	1258.5
67.5°	687.4	480.1	607.4	1004.0	1247.7	1240.4	1171.3	1149.4	1098.5	1087.6	1065.8
70°	509.2	320.1	422.0	814.8	1080.3	1062.1	1007.5	982.1	934.9	909.3	894.8
72.5°	422.0	258.2	309.2	632.9	909.3	887.5	840.2	811.2	771.1	749.3	734.8
75°	341.9	272.8	236.4	469.2	738.4	723.9	680.2	651.1	618.3	589.3	592.9
77.5°	251.0	254.7	189.1	345.6	585.7	563.8	538.3	502.0	487.4	458.3	458.3
80°	189.1	200.1	141.9	236.4	422.0	422.0	400.1	374.7	349.2	334.7	334.7
82.5°	127.3	127.3	105.4	149.1	287.3	276.4	261.9	254.7	240.1	232.8	232.8
85°	58.2	72.8	65.4	90.9	156.4	163.7	163.7	156.4	152.8	145.5	149.1
87.5°	18.2	32.8	40.0	50.9	80.0	83.7	87.3	87.3	87.3	90.9	90.9
90°	2.8	5.0	7.2	7.7	12.1	18.0	20.9	18.6	13.9	10.5	10.5
92.5°	11.0	29.7	48.5	53.2	74.8	103.6	118.0	103.4	74.2	52.4	50.3
95°	26.4	60.8	95.1	103.7	184.1	291.4	345.0	307.8	233.6	177.8	171.5
97.5°	45.8	76.1	106.4	113.9	248.0	426.8	516.2	492.7	445.8	410.6	398.6
100°	60.7	88.1	115.5	122.4	271.3	469.7	568.9	570.6	574.0	576.6	562.3
102.5°	73.3	98.9	124.5	131.0	281.9	483.2	583.7	613.7	673.4	718.3	706.0
105°	94.9	116.5	138.2	143.6	289.8	484.6	582.1	649.1	783.2	883.7	877.1
107.5°	116.9	137.1	157.4	162.4	291.3	463.1	549.0	642.5	829.5	969.8	971.4
110°	131.8	150.0	168.3	172.9	289.1	444.0	521.4	626.0	835.0	991.8	998.7



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	146.5	163.8	181.2	185.6	289.2	427.3	496.4	603.4	817.3	977.8	988.4
115°	168.5	184.5	200.6	204.6	291.8	408.1	466.3	569.3	775.5	930.1	944.7
117.5°	190.2	204.8	219.4	223.1	297.2	396.2	445.6	538.7	724.7	864.2	880.4
120°	202.9	216.7	230.4	233.8	301.6	392.0	437.3	522.3	692.3	819.8	835.6
122.5°	215.4	229.2	243.0	246.5	308.0	389.9	430.9	507.5	660.6	775.4	790.9
125°	234.4	247.0	259.7	262.8	316.6	388.3	424.1	489.0	619.1	716.6	730.9
127.5°	249.8	262.6	275.3	278.5	325.1	387.3	418.3	474.1	585.8	669.5	681.6
130°	258.1	271.8	285.6	289.0	331.4	387.8	416.1	465.8	565.2	639.7	650.9
132.5°	266.7	280.4	294.1	297.5	336.4	388.3	414.2	458.7	547.7	614.4	624.4
135°	279.3	291.8	304.3	307.4	341.9	387.9	410.9	448.1	522.6	578.5	587.1
137.5°	292.3	304.7	317.0	320.1	350.2	390.3	410.3	441.8	504.7	552.0	559.1
140°	303.0	314.4	325.9	328.7	355.2	390.7	408.4	435.5	490.0	530.8	537.4
142.5°	311.3	321.8	332.4	335.1	359.5	392.0	408.4	432.2	480.0	515.9	521.6
145°	324.0	333.2	342.4	344.7	365.0	392.0	405.6	425.2	464.3	493.5	497.8
147.5°	336.7	345.6	354.6	356.8	373.0	394.8	405.6	421.0	451.8	474.8	478.4
150°	345.0	353.0	361.1	363.1	377.3	396.2	405.6	418.7	444.6	464.1	466.9
152.5°	353.5	359.6	365.7	367.3	380.0	397.1	405.6	416.7	438.9	455.5	457.7
155°	366.2	370.7	375.2	376.3	386.1	399.1	405.6	414.4	432.1	445.4	446.8
157.5°	375.5	379.9	384.4	385.5	392.2	401.1	405.6	412.5	426.2	436.5	437.5
160°	381.9	385.3	388.8	389.7	395.0	402.0	405.6	411.5	423.2	432.1	432.6
162.5°	388.3	390.8	393.4	394.1	397.9	403.1	405.6	410.6	420.5	427.9	428.5
165°	395.2	397.5	399.8	400.4	402.1	404.4	405.6	409.2	416.3	421.6	422.1
167.5°	401.5	402.6	403.7	404.0	405.4	407.4	408.4	410.7	415.3	418.8	419.1
170°	405.6	406.7	407.8	408.1	408.2	408.3	408.4	410.7	415.3	418.8	418.8
172.5°	407.8	408.1	408.3	408.4	408.4	408.4	408.4	410.2	413.9	416.6	416.4
175°	410.9	410.9	410.9	410.9	410.0	408.9	408.4	409.6	411.9	413.6	413.6
177.5°	410.9	410.9	410.9	410.9	410.2	409.4	408.9	409.8	411.7	413.1	412.8
180°	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3943.1	3932.1	3943.1	3935.7	3939.4	3928.5	3895.7	3884.8	3895.7	3906.6	3906.6
5°	3990.3	3983.1	3990.3	3990.3	3986.7	3979.4	3943.1	3935.7	3943.1	3946.6	3939.4
7.5°	4004.8	3994.0	4004.8	3997.6	3997.6	3990.3	3954.0	3946.6	3950.3	3961.2	3950.3
10°	4004.8	3994.0	4004.8	4001.2	3997.6	3990.3	3954.0	3939.4	3939.4	3950.3	3939.4
12.5°	3986.7	3979.4	3986.7	3979.4	3979.4	3972.2	3935.7	3921.2	3924.8	3928.5	3914.0
15°	3957.6	3946.6	3957.6	3950.3	3954.0	3943.1	3903.0	3888.5	3888.5	3895.7	3870.3
17.5°	3914.0	3899.4	3914.0	3910.3	3906.6	3899.4	3863.0	3848.4	3844.8	3848.4	3830.3
20°	3863.0	3852.1	3863.0	3859.4	3859.4	3844.8	3808.4	3790.3	3790.3	3790.3	3772.1
22.5°	3783.0	3772.1	3783.0	3790.3	3790.3	3786.6	3753.8	3728.4	3721.2	3721.2	3699.3
25°	3692.1	3681.1	3692.1	3692.1	3688.4	3692.1	3681.1	3666.6	3655.6	3644.7	3623.0
27.5°	3604.7	3597.5	3604.7	3597.5	3604.7	3593.8	3590.2	3586.5	3572.0	3561.1	3532.0
30°	3517.4	3510.2	3517.4	3510.2	3502.9	3495.6	3477.4	3470.2	3484.7	3477.4	3430.2
32.5°	3408.3	3401.1	3408.3	3408.3	3401.1	3401.1	3372.0	3361.1	3364.6	3386.5	3342.8
35°	3295.5	3284.6	3295.5	3292.0	3295.5	3284.6	3266.4	3262.8	3248.3	3273.7	3241.0
37.5°	3164.6	3153.7	3164.6	3164.6	3164.6	3171.9	3157.3	3146.4	3124.6	3157.3	3131.9
40°	3030.0	3015.5	3030.0	3026.4	3030.0	3037.3	3030.0	3022.7	3001.0	3026.4	3004.5
42.5°	2877.2	2873.6	2877.2	2880.9	2880.9	2895.4	2906.3	2891.7	2884.5	2866.3	2880.9
45°	2713.5	2706.3	2713.5	2720.9	2724.5	2731.7	2764.5	2764.5	2753.5	2724.5	2746.3
47.5°	2539.0	2520.8	2539.0	2560.8	2560.8	2571.7	2604.4	2629.9	2611.7	2575.3	2586.2
50°	2353.4	2357.1	2353.4	2368.0	2368.0	2408.0	2433.5	2459.0	2477.1	2433.5	2382.5
52.5°	2171.5	2168.0	2171.5	2182.5	2197.1	2215.2	2258.9	2284.3	2313.4	2288.0	2208.0
55°	1989.7	1997.0	1989.7	1993.3	2000.6	2011.5	2077.0	2102.4	2157.0	2124.3	2040.6
57.5°	1807.9	1796.9	1807.9	1815.1	1818.8	1829.6	1884.2	1931.5	1964.2	1967.9	1866.0
60°	1596.9	1582.3	1596.9	1629.6	1636.9	1644.1	1695.1	1738.8	1767.8	1778.8	1673.2
62.5°	1411.3	1385.9	1411.3	1433.2	1447.8	1465.9	1502.3	1567.8	1593.2	1596.9	1447.8
65°	1214.9	1204.0	1214.9	1258.5	1262.2	1284.0	1324.1	1371.3	1425.9	1418.6	1204.0
67.5°	1036.7	1036.7	1036.7	1065.8	1087.6	1098.5	1149.4	1171.3	1240.4	1247.7	1004.0
70°	873.0	869.3	873.0	894.8	909.3	934.9	982.1	1007.5	1062.1	1080.3	814.8
72.5°	716.6	713.0	716.6	734.8	749.3	771.1	811.2	840.2	887.5	909.3	632.9
75°	578.3	571.1	578.3	592.9	589.3	618.3	651.1	680.2	723.9	738.4	469.2
77.5°	443.8	443.8	443.8	458.3	458.3	487.4	502.0	538.3	563.8	585.7	345.6
80°	331.0	327.3	331.0	334.7	334.7	349.2	374.7	400.1	422.0	422.0	236.4
82.5°	232.8	225.5	232.8	232.8	232.8	240.1	254.7	261.9	276.4	287.3	149.1
85°	145.5	145.5	145.5	149.1	145.5	152.8	156.4	163.7	163.7	156.4	90.9
87.5°	94.6	90.9	94.6	90.9	90.9	87.3	87.3	87.3	83.7	80.0	50.9
90°	10.5	10.5	10.5	10.5	10.5	13.9	18.6	20.9	18.0	12.1	7.7
92.5°	42.0	33.7	42.0	50.3	52.4	74.2	103.4	118.0	103.6	74.8	53.2
95°	146.3	121.0	146.3	171.5	177.8	233.6	307.8	345.0	291.4	184.1	103.7
97.5°	350.6	302.5	350.6	398.6	410.6	445.8	492.7	516.2	426.8	248.0	113.9
100°	505.1	447.8	505.1	562.3	576.6	574.0	570.6	568.9	469.7	271.3	122.4
102.5°	657.0	608.0	657.0	706.0	718.3	673.4	613.7	583.7	483.2	281.9	131.0
105°	850.8	824.5	850.8	877.1	883.7	783.2	649.1	582.1	484.6	289.8	143.6
107.5°	977.8	984.1	977.8	971.4	969.8	829.5	642.5	549.0	463.1	291.3	162.4
110°	1026.2	1053.6	1026.2	998.7	991.8	835.0	626.0	521.4	444.0	289.1	172.9



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1030.5	1072.6	1030.5	988.4	977.8	817.3	603.4	496.4	427.3	289.2	185.6
115°	1003.1	1061.6	1003.1	944.7	930.1	775.5	569.3	466.3	408.1	291.8	204.6
117.5°	945.2	1010.0	945.2	880.4	864.2	724.7	538.7	445.6	396.2	297.2	223.1
120°	898.5	961.5	898.5	835.6	819.8	692.3	522.3	437.3	392.0	301.6	233.8
122.5°	853.1	915.2	853.1	790.9	775.4	660.6	507.5	430.9	389.9	308.0	246.5
125°	788.1	845.4	788.1	730.9	716.6	619.1	489.0	424.1	388.3	316.6	262.8
127.5°	729.8	778.1	729.8	681.6	669.5	585.8	474.1	418.3	387.3	325.1	278.5
130°	695.5	740.1	695.5	650.9	639.7	565.2	465.8	416.1	387.8	331.4	289.0
132.5°	664.3	704.2	664.3	624.4	614.4	547.7	458.7	414.2	388.3	336.4	297.5
135°	621.6	656.0	621.6	587.1	578.5	522.6	448.1	410.9	387.9	341.9	307.4
137.5°	587.2	615.5	587.2	559.1	552.0	504.7	441.8	410.3	390.3	350.2	320.1
140°	563.7	590.1	563.7	537.4	530.8	490.0	435.5	408.4	390.7	355.2	328.7
142.5°	544.3	567.0	544.3	521.6	515.9	480.0	432.2	408.4	392.0	359.5	335.1
145°	515.0	532.2	515.0	497.8	493.5	464.3	425.2	405.6	392.0	365.0	344.7
147.5°	492.6	506.8	492.6	478.4	474.8	451.8	421.0	405.6	394.8	373.0	356.8
150°	478.5	490.0	478.5	466.9	464.1	444.6	418.7	405.6	396.2	377.3	363.1
152.5°	466.4	475.1	466.4	457.7	455.5	438.9	416.7	405.6	397.1	380.0	367.3
155°	452.5	458.3	452.5	446.8	445.4	432.1	414.4	405.6	399.1	386.1	376.3
157.5°	441.6	445.6	441.6	437.5	436.5	426.2	412.5	405.6	401.1	392.2	385.5
160°	435.0	437.3	435.0	432.6	432.1	423.2	411.5	405.6	402.0	395.0	389.7
162.5°	430.7	432.9	430.7	428.5	427.9	420.5	410.6	405.6	403.1	397.9	394.1
165°	424.5	426.8	424.5	422.1	421.6	416.3	409.2	405.6	404.4	402.1	400.4
167.5°	420.0	421.0	420.0	419.1	418.8	415.3	410.7	408.4	407.4	405.4	404.0
170°	418.8	418.8	418.8	418.8	418.8	415.3	410.7	408.4	408.3	408.2	408.1
172.5°	415.5	414.7	415.5	416.4	416.6	413.9	410.2	408.4	408.4	408.4	408.4
175°	413.6	413.6	413.6	413.6	413.6	411.9	409.6	408.4	408.9	410.0	410.9
177.5°	411.9	410.9	411.9	412.8	413.1	411.7	409.8	408.9	409.4	410.2	410.9
180°	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3899.4	3877.5	3877.5	3841.2	3826.6	3815.7	3797.5	3743.0	3728.4	3713.8	3735.7
5°	3932.1	3892.1	3863.0	3797.5	3743.0	3721.2	3652.1	3521.1	3433.7	3368.3	3332.0
7.5°	3939.4	3888.5	3833.9	3732.1	3601.1	3542.9	3332.0	3091.9	3026.4	2968.2	2931.8
10°	3932.1	3874.0	3797.5	3644.7	3335.5	3233.7	3022.7	2866.3	2826.3	2815.4	2826.3
12.5°	3906.6	3852.1	3746.6	3492.0	3059.1	2990.0	2866.3	2775.4	2768.1	2786.3	2884.5
15°	3863.0	3812.1	3688.4	3288.3	2906.3	2855.4	2768.1	2735.4	2775.4	2902.7	3197.3
17.5°	3819.4	3761.2	3608.4	3088.2	2790.0	2753.5	2691.7	2757.2	2982.7	3153.7	3251.9
20°	3761.2	3692.1	3517.4	2942.7	2706.3	2673.5	2644.4	2939.1	3110.1	3171.9	3226.4
22.5°	3692.1	3619.3	3393.7	2840.9	2619.0	2593.5	2611.7	3041.0	3110.1	3153.7	3201.0
25°	3601.1	3539.3	3248.3	2760.9	2549.9	2520.8	2589.9	3030.0	3070.1	3081.0	3175.5
27.5°	3517.4	3437.4	3095.5	2688.1	2466.2	2455.3	2608.1	2982.7	3011.9	3022.7	3124.6
30°	3415.6	3295.5	2924.5	2611.7	2378.9	2375.3	2611.7	2924.5	2917.3	2946.4	3048.2
32.5°	3310.1	3084.6	2731.7	2517.1	2295.2	2291.6	2586.2	2837.2	2830.0	2870.0	2946.4
35°	3211.9	2920.9	2469.9	2408.0	2189.8	2193.4	2524.4	2735.4	2739.0	2775.4	2822.6
37.5°	3110.1	2779.1	2182.5	2288.0	2087.9	2087.9	2440.7	2640.9	2633.5	2644.4	2710.0
40°	2990.0	2557.2	1927.9	2131.5	1993.3	1982.4	2338.9	2539.0	2513.5	2509.9	2600.8
42.5°	2862.7	2313.4	1738.8	1924.2	1884.2	1869.6	2215.2	2415.3	2368.0	2378.9	2495.3
45°	2724.5	2248.0	1593.2	1626.0	1771.4	1760.5	2080.6	2273.4	2240.6	2269.8	2389.9
47.5°	2586.2	2117.0	1545.9	1349.5	1651.4	1647.8	1931.5	2135.2	2117.0	2146.1	2273.4
50°	2397.1	1971.5	1542.3	1156.8	1516.9	1531.4	1753.3	2000.6	2000.6	2026.1	2160.6
52.5°	2153.4	1793.3	1400.4	1047.5	1360.4	1404.1	1596.9	1884.2	1891.5	1917.0	2037.0
55°	1931.5	1607.8	1298.5	963.9	1174.9	1269.4	1444.1	1764.2	1778.8	1804.2	1913.3
57.5°	1727.8	1338.5	1276.8	865.8	1004.0	1094.9	1309.5	1647.8	1655.1	1676.9	1782.3
60°	1509.5	967.5	1171.3	760.2	854.8	923.9	1185.8	1509.5	1535.0	1549.5	1640.5
62.5°	1262.2	702.0	1062.1	687.4	782.1	796.7	1084.0	1378.6	1411.3	1422.2	1476.8
65°	898.4	589.3	902.1	625.7	705.7	709.3	974.9	1244.0	1273.1	1291.3	1331.3
67.5°	607.4	480.1	687.4	567.4	647.4	651.1	869.3	1087.6	1127.6	1142.2	1167.7
70°	422.0	320.1	509.2	505.6	582.0	589.3	756.6	945.8	982.1	993.0	1007.5
72.5°	309.2	258.2	422.0	454.7	512.9	520.1	640.2	785.7	822.1	833.0	840.2
75°	236.4	272.8	341.9	396.4	436.5	440.1	523.8	640.2	665.7	672.9	676.5
77.5°	189.1	254.7	251.0	320.1	356.4	349.2	411.0	494.7	516.5	516.5	516.5
80°	141.9	200.1	189.1	229.1	261.9	254.7	294.7	352.9	360.1	367.4	363.8
82.5°	105.4	127.3	127.3	145.5	174.6	167.3	196.4	229.1	229.1	229.1	236.4
85°	65.4	72.8	58.2	76.4	98.2	94.6	109.1	123.7	127.3	127.3	120.0
87.5°	40.0	32.8	18.2	29.1	43.7	43.7	50.9	54.6	50.9	50.9	50.9
90°	7.2	5.0	2.8	5.0	7.2	7.7	12.1	18.0	20.9	18.6	13.9
92.5°	48.5	29.7	11.0	29.7	48.5	53.2	74.8	103.6	118.0	103.4	74.2
95°	95.1	60.8	26.4	60.8	95.1	103.7	184.1	291.4	345.0	307.8	233.6
97.5°	106.4	76.1	45.8	76.1	106.4	113.9	248.0	426.8	516.2	492.7	445.8
100°	115.5	88.1	60.7	88.1	115.5	122.4	271.3	469.7	568.9	570.6	574.0
102.5°	124.5	98.9	73.3	98.9	124.5	131.0	281.9	483.2	583.7	613.7	673.4
105°	138.2	116.5	94.9	116.5	138.2	143.6	289.8	484.6	582.1	649.1	783.2
107.5°	157.4	137.1	116.9	137.1	157.4	162.4	291.3	463.1	549.0	642.5	829.5
110°	168.3	150.0	131.8	150.0	168.3	172.9	289.1	444.0	521.4	626.0	835.0



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	181.2	163.8	146.5	163.8	181.2	185.6	289.2	427.3	496.4	603.4	817.3
115°	200.6	184.5	168.5	184.5	200.6	204.6	291.8	408.1	466.3	569.3	775.5
117.5°	219.4	204.8	190.2	204.8	219.4	223.1	297.2	396.2	445.6	538.7	724.7
120°	230.4	216.7	202.9	216.7	230.4	233.8	301.6	392.0	437.3	522.3	692.3
122.5°	243.0	229.2	215.4	229.2	243.0	246.5	308.0	389.9	430.9	507.5	660.6
125°	259.7	247.0	234.4	247.0	259.7	262.8	316.6	388.3	424.1	489.0	619.1
127.5°	275.3	262.6	249.8	262.6	275.3	278.5	325.1	387.3	418.3	474.1	585.8
130°	285.6	271.8	258.1	271.8	285.6	289.0	331.4	387.8	416.1	465.8	565.2
132.5°	294.1	280.4	266.7	280.4	294.1	297.5	336.4	388.3	414.2	458.7	547.7
135°	304.3	291.8	279.3	291.8	304.3	307.4	341.9	387.9	410.9	448.1	522.6
137.5°	317.0	304.7	292.3	304.7	317.0	320.1	350.2	390.3	410.3	441.8	504.7
140°	325.9	314.4	303.0	314.4	325.9	328.7	355.2	390.7	408.4	435.5	490.0
142.5°	332.4	321.8	311.3	321.8	332.4	335.1	359.5	392.0	408.4	432.2	480.0
145°	342.4	333.2	324.0	333.2	342.4	344.7	365.0	392.0	405.6	425.2	464.3
147.5°	354.6	345.6	336.7	345.6	354.6	356.8	373.0	394.8	405.6	421.0	451.8
150°	361.1	353.0	345.0	353.0	361.1	363.1	377.3	396.2	405.6	418.7	444.6
152.5°	365.7	359.6	353.5	359.6	365.7	367.3	380.0	397.1	405.6	416.7	438.9
155°	375.2	370.7	366.2	370.7	375.2	376.3	386.1	399.1	405.6	414.4	432.1
157.5°	384.4	379.9	375.5	379.9	384.4	385.5	392.2	401.1	405.6	412.5	426.2
160°	388.8	385.3	381.9	385.3	388.8	389.7	395.0	402.0	405.6	411.5	423.2
162.5°	393.4	390.8	388.3	390.8	393.4	394.1	397.9	403.1	405.6	410.6	420.5
165°	399.8	397.5	395.2	397.5	399.8	400.4	402.1	404.4	405.6	409.2	416.3
167.5°	403.7	402.6	401.5	402.6	403.7	404.0	405.4	407.4	408.4	410.7	415.3
170°	407.8	406.7	405.6	406.7	407.8	408.1	408.2	408.3	408.4	410.7	415.3
172.5°	408.3	408.1	407.8	408.1	408.3	408.4	408.4	408.4	408.4	410.2	413.9
175°	410.9	410.9	410.9	410.9	410.9	410.9	410.0	408.9	408.4	409.6	411.9
177.5°	410.9	410.9	410.9	410.9	410.9	410.9	410.2	409.4	408.9	409.8	411.7
180°	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9



TEST NUMBER: P934056
 CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3710.2	3699.3	3713.8	3673.8	3713.8	3699.3	3710.2	3735.7	3713.8	3728.4	3743.0
5°	3255.5	3237.4	3179.2	3131.9	3179.2	3237.4	3255.5	3332.0	3368.3	3433.7	3521.1
7.5°	2910.0	2895.4	2880.9	2851.7	2880.9	2895.4	2910.0	2931.8	2968.2	3026.4	3091.9
10°	2833.6	2837.2	2859.1	2855.4	2859.1	2837.2	2833.6	2826.3	2815.4	2826.3	2866.3
12.5°	3030.0	3062.7	3182.7	3175.5	3182.7	3062.7	3030.0	2884.5	2786.3	2768.1	2775.4
15°	3255.5	3266.4	3292.0	3295.5	3292.0	3266.4	3255.5	3197.3	2902.7	2775.4	2735.4
17.5°	3277.4	3281.0	3299.2	3299.2	3299.2	3281.0	3277.4	3251.9	3153.7	2982.7	2757.2
20°	3259.2	3266.4	3302.8	3310.1	3302.8	3266.4	3259.2	3226.4	3171.9	3110.1	2939.1
22.5°	3251.9	3266.4	3295.5	3292.0	3295.5	3266.4	3251.9	3201.0	3153.7	3110.1	3041.0
25°	3215.5	3215.5	3219.2	3222.8	3219.2	3215.5	3215.5	3175.5	3081.0	3070.1	3030.0
27.5°	3139.2	3146.4	3168.3	3164.6	3168.3	3146.4	3139.2	3124.6	3022.7	3011.9	2982.7
30°	3070.1	3062.7	3044.5	3030.0	3044.5	3062.7	3070.1	3048.2	2946.4	2917.3	2924.5
32.5°	2953.6	2935.4	2917.3	2906.3	2917.3	2935.4	2953.6	2946.4	2870.0	2830.0	2837.2
35°	2815.4	2819.1	2815.4	2804.5	2815.4	2819.1	2815.4	2822.6	2775.4	2739.0	2735.4
37.5°	2717.2	2724.5	2720.9	2706.3	2720.9	2724.5	2717.2	2710.0	2644.4	2633.5	2640.9
40°	2615.3	2619.0	2615.3	2604.4	2615.3	2619.0	2615.3	2600.8	2509.9	2513.5	2539.0
42.5°	2517.1	2513.5	2502.6	2495.3	2502.6	2513.5	2517.1	2495.3	2378.9	2368.0	2415.3
45°	2404.4	2408.0	2386.2	2375.3	2386.2	2408.0	2404.4	2389.9	2269.8	2240.6	2273.4
47.5°	2291.6	2291.6	2273.4	2262.5	2273.4	2291.6	2291.6	2273.4	2146.1	2117.0	2135.2
50°	2171.5	2168.0	2142.5	2138.9	2142.5	2168.0	2171.5	2160.6	2026.1	2000.6	2000.6
52.5°	2033.3	2033.3	2037.0	2044.3	2037.0	2033.3	2033.3	2037.0	1917.0	1891.5	1884.2
55°	1913.3	1917.0	1942.4	1949.6	1942.4	1917.0	1913.3	1913.3	1804.2	1778.8	1764.2
57.5°	1789.6	1789.6	1807.9	1807.9	1807.9	1789.6	1789.6	1782.3	1676.9	1655.1	1647.8
60°	1647.8	1655.1	1669.6	1666.0	1669.6	1655.1	1647.8	1640.5	1549.5	1535.0	1509.5
62.5°	1498.6	1505.9	1509.5	1502.3	1509.5	1505.9	1498.6	1476.8	1422.2	1411.3	1378.6
65°	1342.2	1349.5	1353.1	1345.9	1353.1	1349.5	1342.2	1331.3	1291.3	1273.1	1244.0
67.5°	1182.2	1178.5	1174.9	1189.4	1174.9	1178.5	1182.2	1167.7	1142.2	1127.6	1087.6
70°	1018.5	1018.5	1014.9	1022.1	1014.9	1018.5	1018.5	1007.5	993.0	982.1	945.8
72.5°	843.9	840.2	854.8	843.9	854.8	840.2	843.9	840.2	833.0	822.1	785.7
75°	672.9	680.2	672.9	683.9	672.9	680.2	672.9	676.5	672.9	665.7	640.2
77.5°	512.9	520.1	512.9	512.9	512.9	520.1	512.9	516.5	516.5	516.5	494.7
80°	363.8	360.1	360.1	356.4	360.1	360.1	363.8	363.8	367.4	360.1	352.9
82.5°	232.8	229.1	229.1	236.4	229.1	229.1	232.8	236.4	229.1	229.1	229.1
85°	127.3	131.0	123.7	123.7	123.7	131.0	127.3	120.0	127.3	127.3	123.7
87.5°	47.3	43.7	43.7	43.7	43.7	43.7	47.3	50.9	50.9	50.9	54.6
90°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	13.9	18.6	20.9	18.0
92.5°	52.4	50.3	42.0	33.7	42.0	50.3	52.4	74.2	103.4	118.0	103.6
95°	177.8	171.5	146.3	121.0	146.3	171.5	177.8	233.6	307.8	345.0	291.4
97.5°	410.6	398.6	350.6	302.5	350.6	398.6	410.6	445.8	492.7	516.2	426.8
100°	576.6	562.3	505.1	447.8	505.1	562.3	576.6	574.0	570.6	568.9	469.7
102.5°	718.3	706.0	657.0	608.0	657.0	706.0	718.3	673.4	613.7	583.7	483.2
105°	883.7	877.1	850.8	824.5	850.8	877.1	883.7	783.2	649.1	582.1	484.6
107.5°	969.8	971.4	977.8	984.1	977.8	971.4	969.8	829.5	642.5	549.0	463.1
110°	991.8	998.7	1026.2	1053.6	1026.2	998.7	991.8	835.0	626.0	521.4	444.0



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	977.8	988.4	1030.5	1072.6	1030.5	988.4	977.8	817.3	603.4	496.4	427.3
115°	930.1	944.7	1003.1	1061.6	1003.1	944.7	930.1	775.5	569.3	466.3	408.1
117.5°	864.2	880.4	945.2	1010.0	945.2	880.4	864.2	724.7	538.7	445.6	396.2
120°	819.8	835.6	898.5	961.5	898.5	835.6	819.8	692.3	522.3	437.3	392.0
122.5°	775.4	790.9	853.1	915.2	853.1	790.9	775.4	660.6	507.5	430.9	389.9
125°	716.6	730.9	788.1	845.4	788.1	730.9	716.6	619.1	489.0	424.1	388.3
127.5°	669.5	681.6	729.8	778.1	729.8	681.6	669.5	585.8	474.1	418.3	387.3
130°	639.7	650.9	695.5	740.1	695.5	650.9	639.7	565.2	465.8	416.1	387.8
132.5°	614.4	624.4	664.3	704.2	664.3	624.4	614.4	547.7	458.7	414.2	388.3
135°	578.5	587.1	621.6	656.0	621.6	587.1	578.5	522.6	448.1	410.9	387.9
137.5°	552.0	559.1	587.2	615.5	587.2	559.1	552.0	504.7	441.8	410.3	390.3
140°	530.8	537.4	563.7	590.1	563.7	537.4	530.8	490.0	435.5	408.4	390.7
142.5°	515.9	521.6	544.3	567.0	544.3	521.6	515.9	480.0	432.2	408.4	392.0
145°	493.5	497.8	515.0	532.2	515.0	497.8	493.5	464.3	425.2	405.6	392.0
147.5°	474.8	478.4	492.6	506.8	492.6	478.4	474.8	451.8	421.0	405.6	394.8
150°	464.1	466.9	478.5	490.0	478.5	466.9	464.1	444.6	418.7	405.6	396.2
152.5°	455.5	457.7	466.4	475.1	466.4	457.7	455.5	438.9	416.7	405.6	397.1
155°	445.4	446.8	452.5	458.3	452.5	446.8	445.4	432.1	414.4	405.6	399.1
157.5°	436.5	437.5	441.6	445.6	441.6	437.5	436.5	426.2	412.5	405.6	401.1
160°	432.1	432.6	435.0	437.3	435.0	432.6	432.1	423.2	411.5	405.6	402.0
162.5°	427.9	428.5	430.7	432.9	430.7	428.5	427.9	420.5	410.6	405.6	403.1
165°	421.6	422.1	424.5	426.8	424.5	422.1	421.6	416.3	409.2	405.6	404.4
167.5°	418.8	419.1	420.0	421.0	420.0	419.1	418.8	415.3	410.7	408.4	407.4
170°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	415.3	410.7	408.4	408.3
172.5°	416.6	416.4	415.5	414.7	415.5	416.4	416.6	413.9	410.2	408.4	408.4
175°	413.6	413.6	413.6	413.6	413.6	413.6	413.6	411.9	409.6	408.4	408.9
177.5°	413.1	412.8	411.9	410.9	411.9	412.8	413.1	411.7	409.8	408.9	409.4
180°	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9	410.9



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3797.5	3815.7	3826.6	3841.2	3877.5
5°	3652.1	3721.2	3743.0	3797.5	3863.0
7.5°	3332.0	3542.9	3601.1	3732.1	3833.9
10°	3022.7	3233.7	3335.5	3644.7	3797.5
12.5°	2866.3	2990.0	3059.1	3492.0	3746.6
15°	2768.1	2855.4	2906.3	3288.3	3688.4
17.5°	2691.7	2753.5	2790.0	3088.2	3608.4
20°	2644.4	2673.5	2706.3	2942.7	3517.4
22.5°	2611.7	2593.5	2619.0	2840.9	3393.7
25°	2589.9	2520.8	2549.9	2760.9	3248.3
27.5°	2608.1	2455.3	2466.2	2688.1	3095.5
30°	2611.7	2375.3	2378.9	2611.7	2924.5
32.5°	2586.2	2291.6	2295.2	2517.1	2731.7
35°	2524.4	2193.4	2189.8	2408.0	2469.9
37.5°	2440.7	2087.9	2087.9	2288.0	2182.5
40°	2338.9	1982.4	1993.3	2131.5	1927.9
42.5°	2215.2	1869.6	1884.2	1924.2	1738.8
45°	2080.6	1760.5	1771.4	1626.0	1593.2
47.5°	1931.5	1647.8	1651.4	1349.5	1545.9
50°	1753.3	1531.4	1516.9	1156.8	1542.3
52.5°	1596.9	1404.1	1360.4	1047.5	1400.4
55°	1444.1	1269.4	1174.9	963.9	1298.5
57.5°	1309.5	1094.9	1004.0	865.8	1276.8
60°	1185.8	923.9	854.8	760.2	1171.3
62.5°	1084.0	796.7	782.1	687.4	1062.1
65°	974.9	709.3	705.7	625.7	902.1
67.5°	869.3	651.1	647.4	567.4	687.4
70°	756.6	589.3	582.0	505.6	509.2
72.5°	640.2	520.1	512.9	454.7	422.0
75°	523.8	440.1	436.5	396.4	341.9
77.5°	411.0	349.2	356.4	320.1	251.0
80°	294.7	254.7	261.9	229.1	189.1
82.5°	196.4	167.3	174.6	145.5	127.3
85°	109.1	94.6	98.2	76.4	58.2
87.5°	50.9	43.7	43.7	29.1	18.2
90°	12.1	7.7	7.2	5.0	2.8
92.5°	74.8	53.2	48.5	29.7	11.0
95°	184.1	103.7	95.1	60.8	26.4
97.5°	248.0	113.9	106.4	76.1	45.8
100°	271.3	122.4	115.5	88.1	60.7
102.5°	281.9	131.0	124.5	98.9	73.3
105°	289.8	143.6	138.2	116.5	94.9
107.5°	291.3	162.4	157.4	137.1	116.9
110°	289.1	172.9	168.3	150.0	131.8



TEST NUMBER: P934056

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	289.2	185.6	181.2	163.8	146.5
115°	291.8	204.6	200.6	184.5	168.5
117.5°	297.2	223.1	219.4	204.8	190.2
120°	301.6	233.8	230.4	216.7	202.9
122.5°	308.0	246.5	243.0	229.2	215.4
125°	316.6	262.8	259.7	247.0	234.4
127.5°	325.1	278.5	275.3	262.6	249.8
130°	331.4	289.0	285.6	271.8	258.1
132.5°	336.4	297.5	294.1	280.4	266.7
135°	341.9	307.4	304.3	291.8	279.3
137.5°	350.2	320.1	317.0	304.7	292.3
140°	355.2	328.7	325.9	314.4	303.0
142.5°	359.5	335.1	332.4	321.8	311.3
145°	365.0	344.7	342.4	333.2	324.0
147.5°	373.0	356.8	354.6	345.6	336.7
150°	377.3	363.1	361.1	353.0	345.0
152.5°	380.0	367.3	365.7	359.6	353.5
155°	386.1	376.3	375.2	370.7	366.2
157.5°	392.2	385.5	384.4	379.9	375.5
160°	395.0	389.7	388.8	385.3	381.9
162.5°	397.9	394.1	393.4	390.8	388.3
165°	402.1	400.4	399.8	397.5	395.2
167.5°	405.4	404.0	403.7	402.6	401.5
170°	408.2	408.1	407.8	406.7	405.6
172.5°	408.4	408.4	408.3	408.1	407.8
175°	410.0	410.9	410.9	410.9	410.9
177.5°	410.2	410.9	410.9	410.9	410.9
180°	410.9	410.9	410.9	410.9	410.9



TEST NUMBER: P934056
 CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-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	15.75	16.95	16.41	17.63	18.41	18.60	19.80	19.26	20.48	21.26
	3H	16.25	17.33	16.93	18.02	18.84	19.98	21.05	20.65	21.74	22.56
	4H	16.46	17.47	17.15	18.17	19.01	20.44	21.46	21.14	22.16	22.99
	6H	16.59	17.53	17.30	18.24	19.09	20.75	21.69	21.46	22.40	23.24
	8H	16.60	17.50	17.32	18.23	19.08	20.84	21.73	21.55	22.46	23.31
	12H	16.59	17.44	17.31	18.16	19.04	20.89	21.74	21.61	22.46	23.34
4H	2H	16.83	17.84	17.52	18.54	19.38	19.05	20.06	19.75	20.76	21.60
	3H	17.88	18.73	18.60	19.47	20.32	20.59	21.44	21.30	22.17	23.03
	4H	18.17	18.94	18.90	19.68	20.56	21.14	21.91	21.86	22.65	23.53
	6H	18.32	18.98	19.06	19.75	20.64	21.53	22.19	22.27	22.96	23.85
	8H	18.33	18.95	19.08	19.71	20.62	21.64	22.27	22.40	23.03	23.93
	12H	18.31	18.87	19.09	19.66	20.57	21.72	22.28	22.49	23.07	23.97
8H	4H	18.66	19.28	19.41	20.04	20.94	21.29	21.91	22.04	22.67	23.58
	6H	18.93	19.45	19.71	20.25	21.16	21.74	22.26	22.53	23.06	23.97
	8H	18.98	19.44	19.77	20.24	21.16	21.90	22.36	22.70	23.17	24.09
	12H	18.98	19.38	19.77	20.18	21.16	22.02	22.43	22.82	23.22	24.20
12H	4H	18.68	19.24	19.45	20.02	20.93	21.27	21.83	22.04	22.61	23.52
	6H	19.00	19.46	19.79	20.26	21.18	21.74	22.20	22.54	23.01	23.93
	8H	19.08	19.49	19.88	20.28	21.26	21.92	22.33	22.72	23.12	24.10