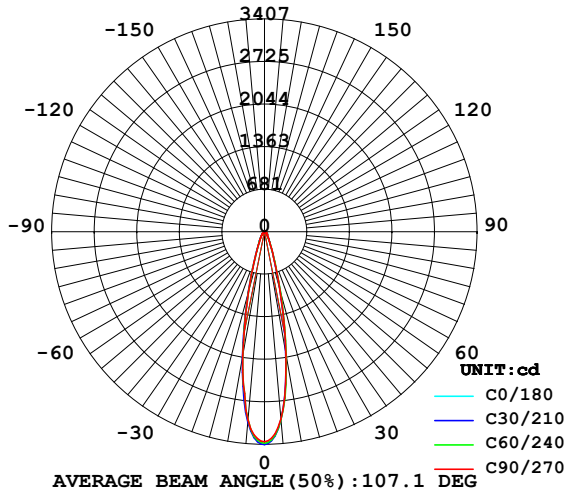
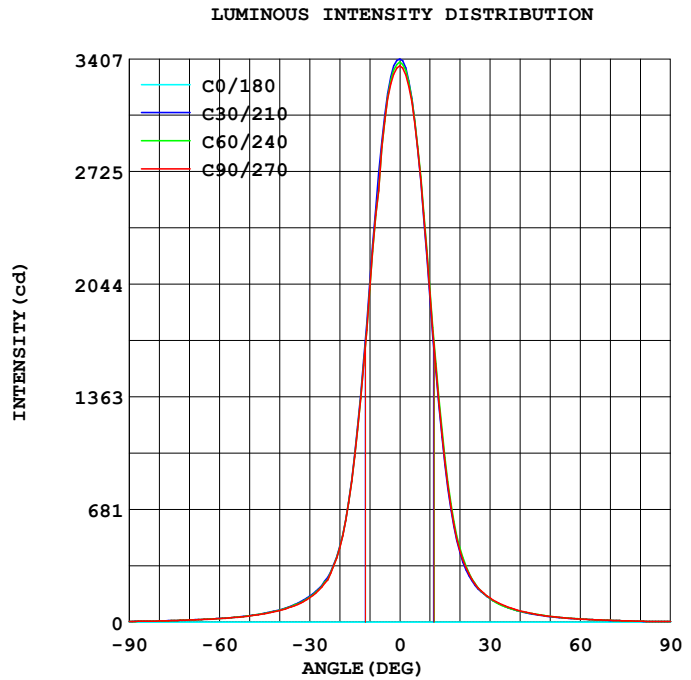


## STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745

TEST DATA:					
MODEL:	CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	η street_up(%) :	1.4		
NOMINAL POWER (W) :	12	η street_down(%) :	52.6		
RATED VOLTAGE (V) :	220	η house_up(%) :	1.2		
NOMINAL FLUX (lm) :	704.9	η house_down(%) :	44.8		
TEST FLUX (lm) :	704.8	η up(%) :	2.5		
LAMPS QUANTITY:	1	η down(%) :	97.5		

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS

Test: U:220.6V I:0.098A P:11.39W PF:0.522

Test System: LSG-1600  
 Temperature: 20.5 DEG  
 Operators: FATMA KARA  
 Test Date: 01-03-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 61%  
 Test Distance: 9.545 m  
 Remarks: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65

## ZONAL FLUX DIAGRAM

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	0	3095	3033	3089	0	3041	3015	2921	0- 5	69.05	69.05
10.0	0	1994	2009	2033	0	2019	1995	1858	5- 10	155.5	224.6
15.0	0	978.6	998.9	985.5	0	1008	969.5	890.2	10- 15	142.3	366.9
20.0	0	434.4	444.5	425.1	0	451.9	430.7	406.2	15- 20	90.25	457.2
25.0	0	231.7	233.3	221.7	0	240.0	229.0	229.6	20- 25	56.41	513.6
30.0	0	145.4	146.1	138.8	0	153.1	145.6	148.6	25- 30	40.32	553.9
35.0	0	98.39	98.21	92.74	0	102.1	97.21	99.67	30- 35	30.80	584.7
40.0	0	67.05	69.69	63.77	0	70.06	67.23	69.33	35- 40	23.88	608.6
45.0	0	47.64	50.01	45.00	0	49.92	47.28	50.01	40- 45	18.88	627.5
50.0	0	33.80	36.16	32.61	0	36.07	33.34	35.71	45- 50	14.75	642.3
55.0	0	24.78	27.24	23.96	0	26.87	24.05	26.23	50- 55	11.52	653.8
60.0	0	18.49	20.59	18.03	0	20.40	17.85	19.95	55- 60	9.152	662.9
65.0	0	13.84	15.67	13.57	0	15.48	13.39	15.12	60- 65	7.258	670.2
70.0	0	10.20	11.84	10.02	0	11.57	9.839	11.38	65- 70	5.678	675.9
75.0	0	7.197	8.746	7.015	0	8.564	6.741	8.290	70- 75	4.298	680.2
80.0	0	4.555	5.830	4.646	0	5.830	4.464	5.648	75- 80	3.017	683.2
85.0	0	3.097	4.282	3.006	0	4.282	3.097	4.190	80- 85	2.066	685.3
90.0	0	2.642	3.644	2.550	0	3.644	2.550	3.553	85- 90	1.652	686.9
95.0	0	2.368	3.279	2.368	0	3.370	2.368	3.279	90- 95	1.473	688.4
100.0	0	2.368	3.188	2.368	0	3.188	2.368	3.188	95-100	1.402	689.8
105.0	0	2.459	3.097	2.368	0	3.097	2.368	3.097	100-105	1.365	691.2
110.0	0	2.459	3.097	2.368	0	3.097	2.368	3.097	105-110	1.319	692.5
115.0	0	2.459	3.006	2.368	0	3.006	2.459	3.006	110-115	1.274	693.7
120.0	0	2.459	3.006	2.459	0	3.006	2.459	3.006	115-120	1.221	695.0
125.0	0	2.550	3.006	2.459	0	3.006	2.550	2.915	120-125	1.163	696.1
130.0	0	2.550	3.006	2.550	0	3.006	2.550	2.915	125-130	1.105	697.2
135.0	0	2.642	3.006	2.642	0	3.006	2.642	3.006	130-135	1.041	698.3
140.0	0	2.824	3.097	2.733	0	3.006	2.733	3.006	135-140	0.977	699.3
145.0	0	3.097	3.279	3.006	0	3.188	3.006	3.188	140-145	0.929	700.2
150.0	0	3.553	3.644	3.462	0	3.644	3.279	3.644	145-150	0.902	701.1
155.0	0	4.282	4.190	4.190	0	4.282	3.917	4.282	150-155	0.904	702.0
160.0	0	5.101	4.919	5.101	0	5.101	4.737	5.010	155-160	0.893	702.9
165.0	0	5.739	5.648	5.648	0	5.648	5.375	5.557	160-165	0.808	703.7
170.0	0	5.921	6.013	5.921	0	5.830	5.739	5.648	165-170	0.627	704.3
175.0	0	5.739	6.013	5.648	0	5.739	5.830	5.557	170-175	0.381	704.7
180.0	0	5.648	5.921	5.557	0	5.648	5.830	5.557	175-180	0.125	704.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

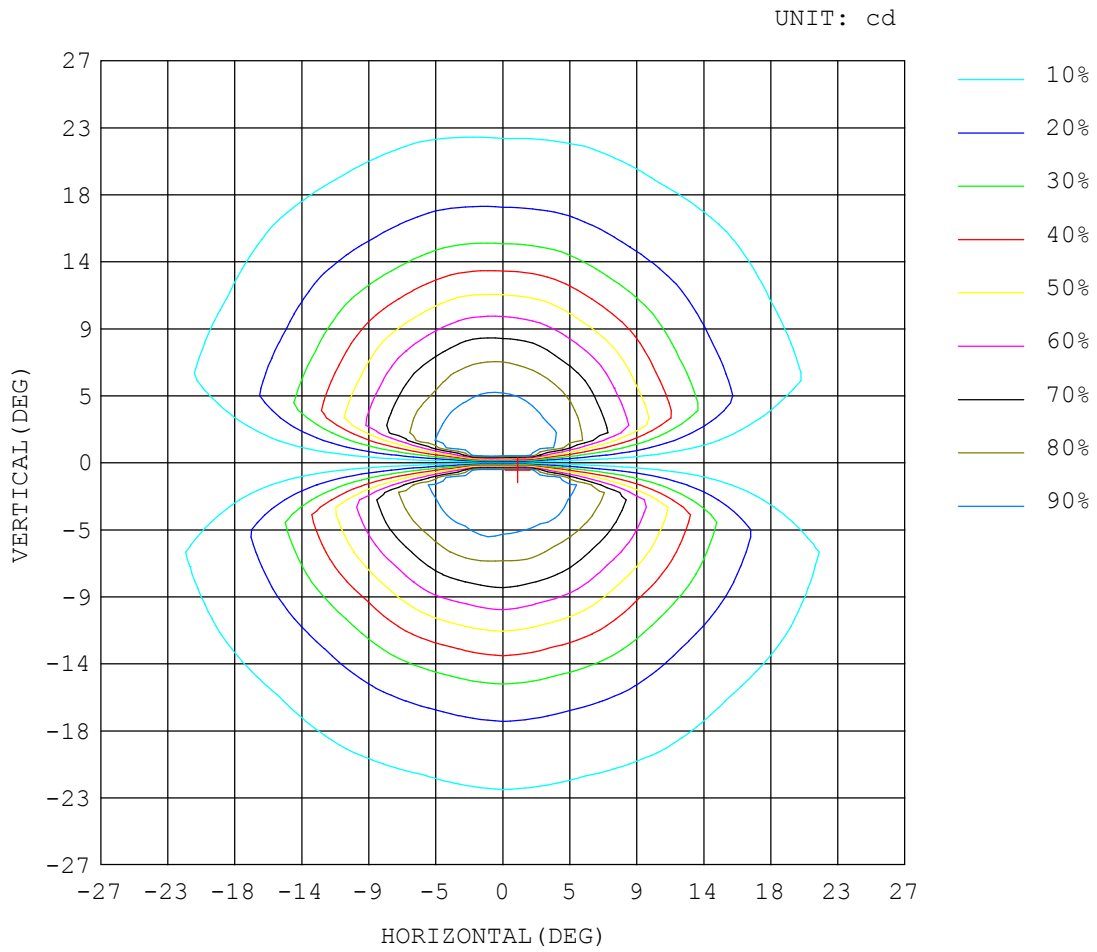
Test System: LSG-1600  
 Temperature: 20.5 DEG  
 Operators: FATMA KARA  
 Test Date: 01-03-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 61%  
 Test Distance: 9.545 m  
 Remarks: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65

## ISOCANDELA DIAGRAM

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745



Test System: LSG-1600  
Temperature: 20.5 DEG  
Operators: FATMA KARA  
Test Date: 01-03-2014

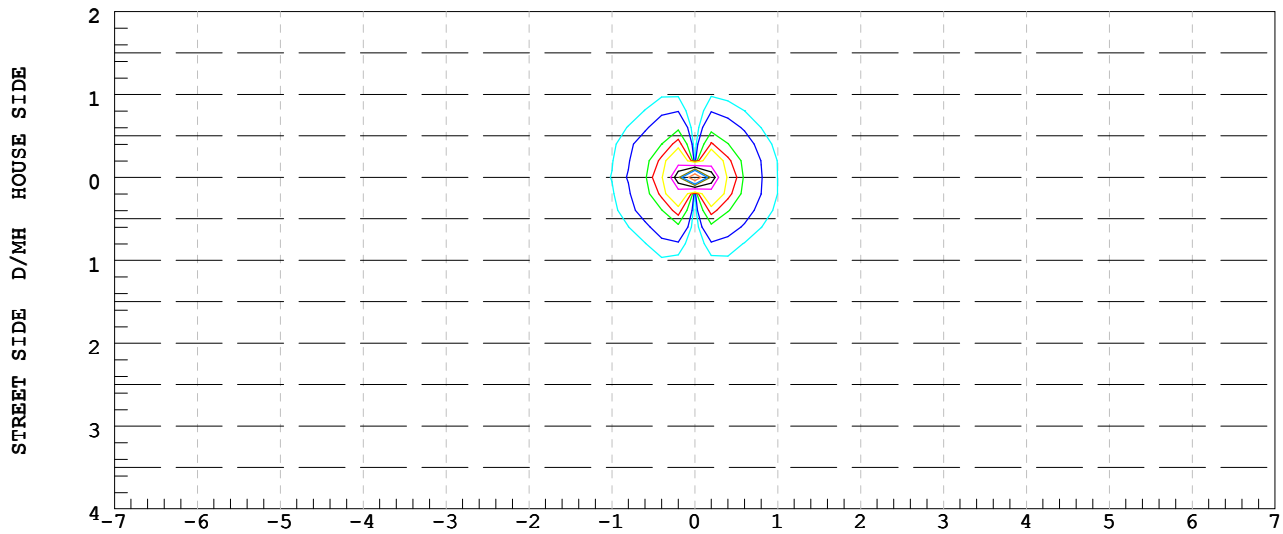
Test Set: 2.0 deg/s C-Gamma (TYPE C)  
Humidity: 61%  
Test Distance: 9.545 m  
Remarks: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65

## ISOLUX DIAGRAM

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745

ILLUMINANCE AT MH=10 m, Enadir = 33.65 lx



RATIO OF DISTANCE TO MOUNTING HEIGHT

0.170	0.340	1.0	1.7	3.4
10	13	17	20	27

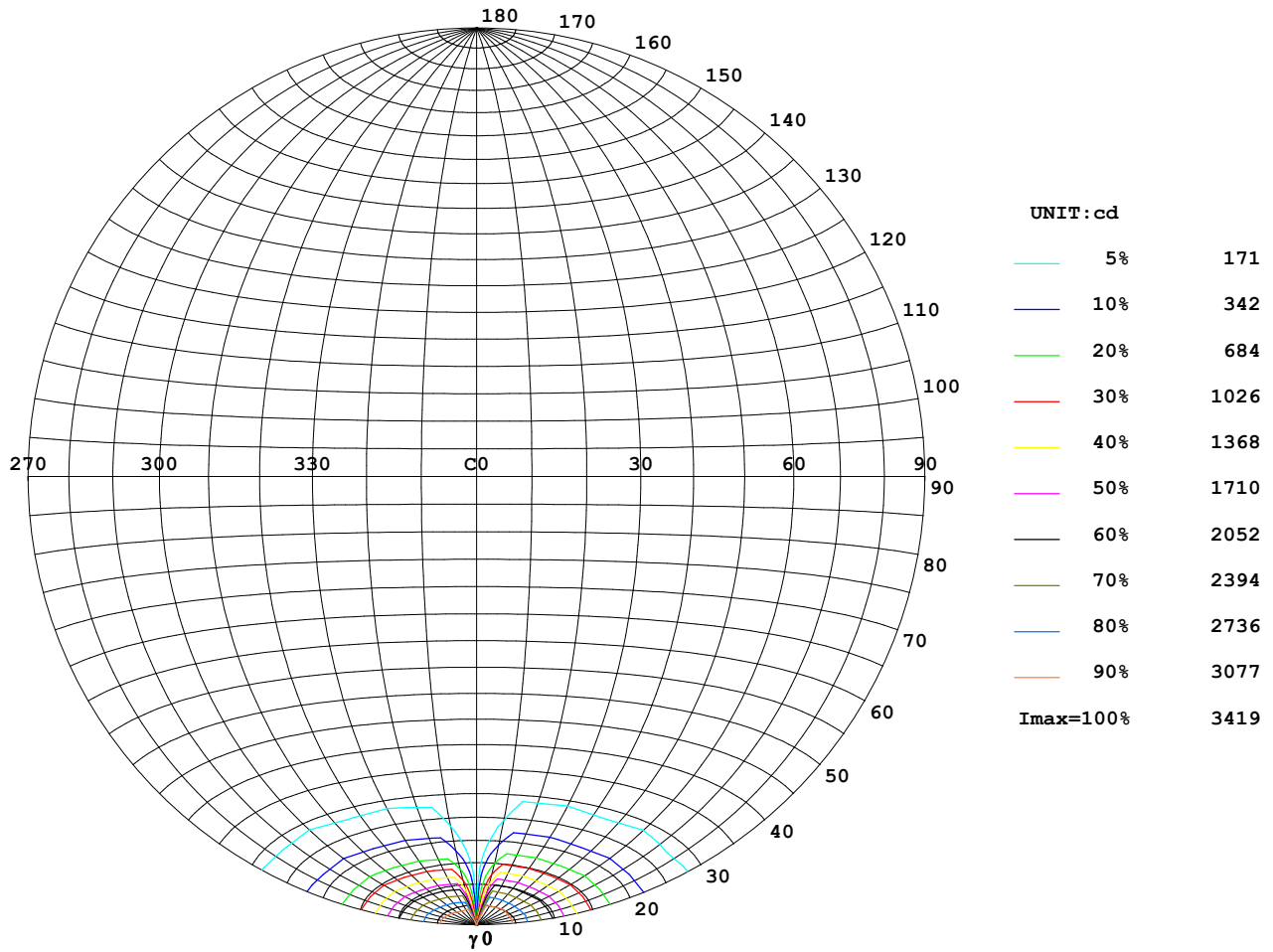
Test System: LSG-1600  
 Temperature: 20.5 DEG  
 Operators: FATMA KARA  
 Test Date: 01-03-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
 Humidity: 61%  
 Test Distance: 9.545 m  
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## ISOCANDELA DIAGRAM

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745



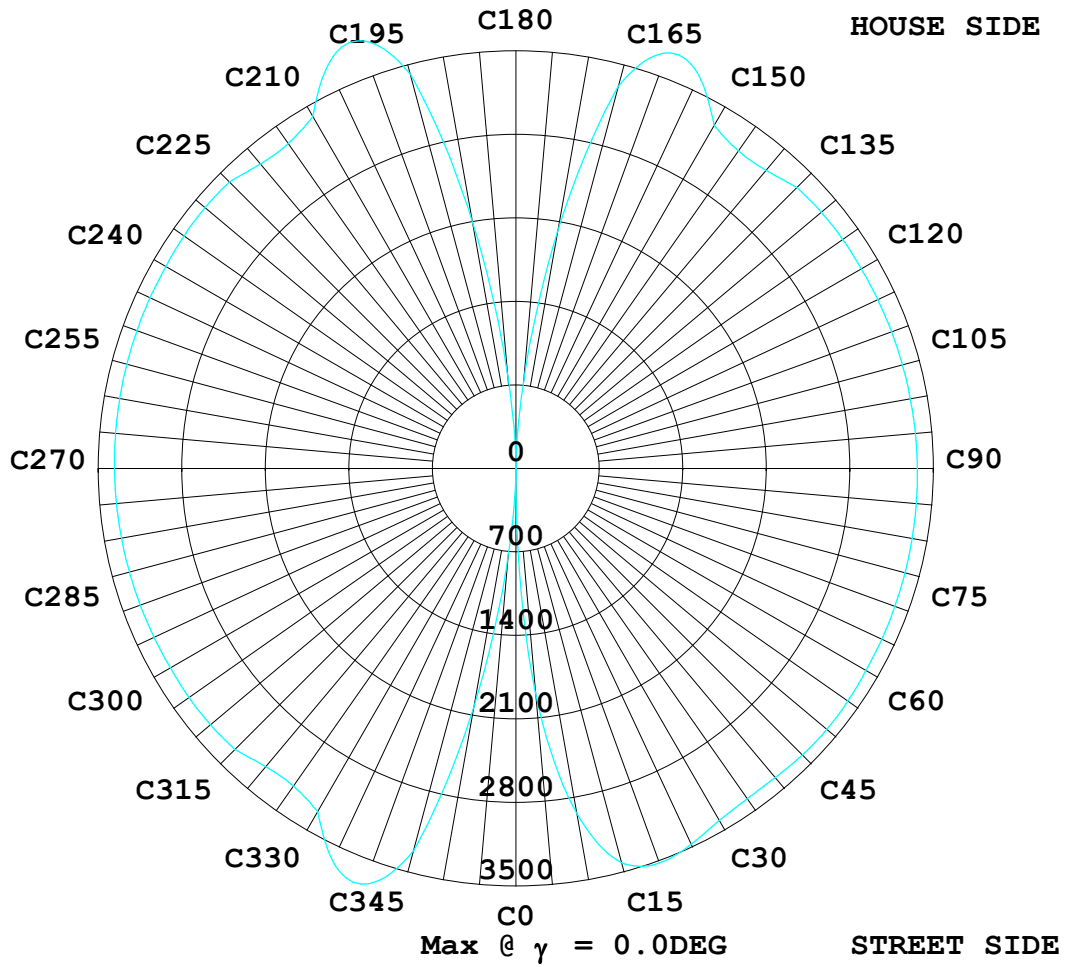
Test System: LSG-1600  
 Temperature: 20.5 DEG  
 Operators: FATMA KARA  
 Test Date: 01-03-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
 Humidity: 61%  
 Test Distance: 9.545 m  
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## ISOCANDELA DIAGRAM

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745



Test System: LSG-1600  
 Temperature: 20.5DEG  
 Operators: FATMA KARA  
 Test Date: 01-03-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 61%  
 Test Distance: 9.545 m  
 Remarks: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	0.00	3419	3407	3397	3388	3376	3365	3354	3344	3331	3323	3313	0.00	3419	3407
5.0	0.00	3091	3064	3095	3028	3026	3033	3090	3053	3089	3069	3089	0.00	3027	3026
10.0	0.00	2060	2049	1994	2006	1973	2009	1989	2041	2033	2090	2103	0.00	1942	1963
15.0	0.00	1002	1012	979	1001	974	999	971	998	986	1037	1044	0.00	951	953
20.0	0.00	447	454	434	448	435	445	427	436	425	452	457	0.00	420	421
25.0	0.00	241	246	232	241	226	233	221	231	222	237	234	0.00	226	223
30.0	0.00	153	157	145	150	138	146	136	141	139	148	145	0.00	145	142
35.0	0.00	101	105	98.3	103	93.9	98.2	89.7	94.1	92.7	99.3	96.4	0.00	96.5	93.2
40.0	0.00	69.8	73.2	67.0	71.6	66.4	69.6	62.3	67.1	63.7	69.9	66.2	0.00	67.6	64.3
45.0	0.00	50.1	52.6	47.6	51.8	48.1	50.0	44.9	49.2	45.0	50.1	47.4	0.00	48.8	44.7
50.0	0.00	35.2	38.2	33.8	37.3	33.9	36.1	32.5	36.2	32.6	36.0	33.4	0.00	35.7	32.6
55.0	0.00	25.2	28.1	24.7	27.4	24.6	27.2	23.9	26.8	23.9	27.3	24.3	0.00	26.5	23.9
60.0	0.00	18.8	21.3	18.4	20.8	18.2	20.5	17.8	20.4	18.0	20.8	18.4	0.00	20.0	17.7
65.0	0.00	14.1	16.1	13.8	15.9	13.5	15.6	13.3	15.5	13.5	15.8	13.7	0.00	15.2	13.1
70.0	0.00	10.4	12.2	10.2	12.0	9.93	11.8	10.0	11.9	10.0	12.0	10.1	0.00	11.4	9.65
75.0	0.00	7.47	8.92	7.19	8.65	7.01	8.74	7.10	8.65	7.01	8.92	7.19	0.00	8.38	6.83
80.0	0.00	4.91	6.28	4.55	5.92	4.46	5.83	4.46	5.92	4.64	6.10	4.73	0.00	5.55	4.19
85.0	0.00	3.18	4.37	3.09	4.28	3.00	4.28	3.00	4.19	3.00	4.37	3.18	0.00	4.19	3.00
90.0	0.00	2.64	3.73	2.64	3.64	2.55	3.64	2.64	3.64	2.55	3.73	2.55	0.00	3.64	2.55
95.0	0.00	2.36	3.37	2.36	3.37	2.36	3.27	2.45	3.27	2.36	3.37	2.36	0.00	3.27	2.36
100.0	0.00	2.45	3.18	2.36	3.18	2.36	3.18	2.36	3.18	2.36	3.27	2.36	0.00	3.18	2.36
105.0	0.00	2.45	3.18	2.45	3.18	2.36	3.09	2.36	3.09	2.36	3.18	2.36	0.00	3.18	2.36
110.0	0.00	2.45	3.09	2.45	3.09	2.45	3.09	2.45	3.09	2.36	3.09	2.45	0.00	3.09	2.45
115.0	0.00	2.45	3.00	2.45	3.09	2.45	3.00	2.45	3.00	2.36	3.00	2.45	0.00	3.09	2.45
120.0	0.00	2.55	3.00	2.45	3.00	2.55	3.00	2.45	3.00	2.45	3.00	2.45	0.00	3.00	2.45
125.0	0.00	2.55	3.00	2.55	3.00	2.55	3.00	2.45	2.91	2.45	2.91	2.55	0.00	3.00	2.45
130.0	0.00	2.64	3.00	2.55	3.00	2.64	3.00	2.64	3.00	2.55	3.00	2.64	0.00	3.00	2.55
135.0	0.00	2.73	3.00	2.64	3.00	2.73	3.00	2.73	3.00	2.64	3.00	2.64	0.00	3.00	2.64
140.0	0.00	2.82	3.09	2.82	3.09	2.82	3.09	2.82	3.09	2.73	3.00	2.73	0.00	3.09	2.73
145.0	0.00	3.09	3.27	3.09	3.27	3.09	3.27	3.09	3.27	3.00	3.27	3.00	0.00	3.27	3.00
150.0	0.00	3.46	3.73	3.55	3.73	3.46	3.64	3.46	3.64	3.46	3.64	3.37	0.00	3.55	3.37
155.0	0.00	4.09	4.37	4.28	4.46	4.19	4.19	4.09	4.37	4.19	4.28	4.00	0.00	4.19	4.09
160.0	0.00	4.91	5.19	5.10	5.19	4.91	4.91	4.91	5.10	5.10	5.10	4.73	0.00	4.91	4.91
165.0	0.00	5.64	5.83	5.73	5.73	5.64	5.64	5.55	5.73	5.64	5.73	5.46	0.00	5.55	5.55
170.0	0.00	6.01	6.01	5.92	6.01	5.92	6.01	5.92	5.92	5.92	5.92	5.83	0.00	5.83	5.73
175.0	0.00	5.92	5.83	5.73	5.83	5.83	6.01	5.92	5.83	5.64	5.83	5.73	0.00	5.83	5.64
180.0	0.00	5.83	5.64	5.64	5.64	5.73	5.92	5.73	5.64	5.55	5.64	5.64	0.00	5.83	5.64

Test System: LSG-1600  
 Temperature: 20.5 DEG  
 Operators: FATMA KARA  
 Test Date: 01-03-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 61%  
 Test Distance: 9.545 m  
 Remarks: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000098

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 WW 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20579745

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	3397	3388	3376	3365	3354	3344	3331	3323	3313
5.0	3041	3029	3038	3015	2999	2957	2921	2877	2847
10.0	2019	2016	2033	1995	1966	1906	1858	1783	1754
15.0	1008	994	1011	970	969	909	890	827	820
20.0	452	447	457	431	437	409	406	380	378
25.0	240	233	244	229	237	225	230	213	217
30.0	153	142	151	146	153	142	149	137	144
35.0	102	92.4	102	97.2	103	95.9	99.6	92.9	97.2
40.0	70.0	64.9	71.9	67.2	70.3	64.9	69.3	63.9	67.8
45.0	49.9	47.6	52.0	47.2	50.5	45.7	50.0	45.7	48.3
50.0	36.0	34.1	37.7	33.3	36.1	32.1	35.7	32.1	34.9
55.0	26.8	24.8	27.5	24.0	26.6	23.3	26.2	23.2	25.7
60.0	20.4	18.3	20.6	17.8	20.2	17.4	19.9	17.4	19.6
65.0	15.4	13.4	15.5	13.3	15.3	13.0	15.1	13.0	15.0
70.0	11.5	9.93	11.8	9.83	11.5	9.56	11.3	9.56	11.4
75.0	8.56	6.92	8.56	6.74	8.38	6.65	8.29	6.55	8.19
80.0	5.83	4.37	5.83	4.46	5.64	4.09	5.64	4.28	5.64
85.0	4.28	3.00	4.28	3.09	4.28	2.91	4.19	2.91	4.09
90.0	3.64	2.55	3.64	2.55	3.64	2.55	3.55	2.55	3.55
95.0	3.37	2.36	3.27	2.36	3.27	2.36	3.27	2.36	3.27
100.0	3.18	2.36	3.18	2.36	3.18	2.36	3.18	2.36	3.18
105.0	3.09	2.36	3.18	2.36	3.09	2.36	3.09	2.45	3.09
110.0	3.09	2.45	3.09	2.36	3.09	2.36	3.09	2.45	3.09
115.0	3.00	2.45	3.00	2.45	3.00	2.45	3.00	2.45	3.00
120.0	3.00	2.45	3.00	2.45	3.00	2.45	3.00	2.45	3.00
125.0	3.00	2.55	3.00	2.55	2.91	2.55	2.91	2.55	2.91
130.0	3.00	2.55	3.00	2.55	3.00	2.55	2.91	2.55	3.00
135.0	3.00	2.64	3.00	2.64	3.00	2.64	3.00	2.64	3.00
140.0	3.00	2.82	3.00	2.73	3.09	2.73	3.00	2.73	3.09
145.0	3.18	3.00	3.18	3.00	3.18	3.00	3.18	3.00	3.18
150.0	3.64	3.46	3.55	3.27	3.55	3.37	3.64	3.46	3.55
155.0	4.28	4.09	4.19	3.91	4.09	4.09	4.28	4.09	4.19
160.0	5.10	4.91	4.91	4.73	4.82	4.82	5.01	4.91	4.91
165.0	5.64	5.46	5.46	5.37	5.46	5.46	5.55	5.46	5.55
170.0	5.83	5.73	5.83	5.73	5.73	5.64	5.64	5.64	5.83
175.0	5.73	5.64	5.73	5.83	5.64	5.55	5.55	5.55	5.64
180.0	5.64	5.64	5.73	5.83	5.73	5.64	5.55	5.55	5.64

Test System: LSG-1600  
 Temperature: 20.5 DEG  
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 Test Date: 01-03-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)  
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