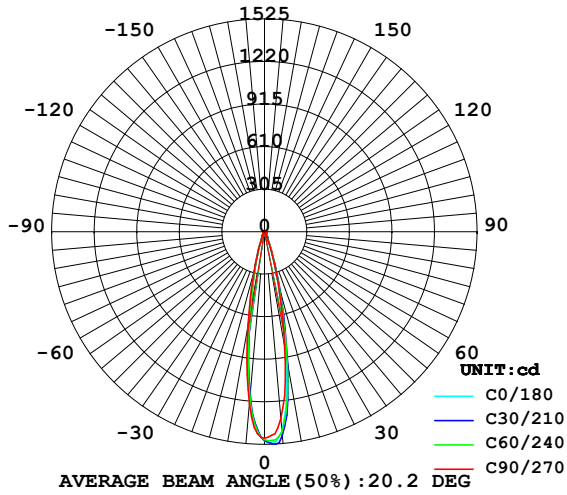


STREETLIGHT PHOTOMETRIC TEST REPORT

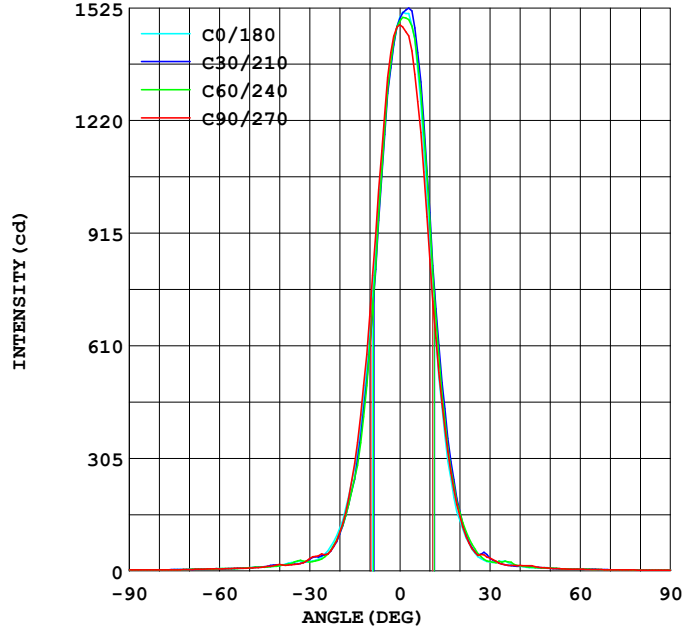
Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114

TEST DATA:					
MODEL:	CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	η street_up(%) :	3.1		
NOMINAL POWER (W) :	4	MAXIMUM (C, γ) :	195,2.0	η street_down(%) :	45.8
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	264.3	η house_up(%) :	2.6
NOMINAL FLUX (lm) :	264.4	EFFICIENCY (%) :	100.0	η house_down(%) :	48.5
TEST FLUX (lm) :	264.3	η up(%) :	5.6		
LAMPS QUANTITY:	1	η down(%) :	94.4		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test: U:220.6V I:0.040A P:4.410W PF:0.488

Test System: LSG-1600
 Temperature: 23.1 DEG
 Operators: FATMA KARA
 Test Date: 01-08-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65

ZONAL FLUX DIAGRAM

Report number: 0000114

MANUFACTURER: Fiberli	Address:PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE:CROMA GARDENA	WEIGHT:
SPECIFICATION:CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.:7877114

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1212	1175	1239	1360	1439	1470	1345	1211	0- 5	32.77	32.77
10.0	649.5	567.2	689.4	817.5	874.9	998.0	842.7	679.4	5- 10	69.04	101.8
15.0	278.0	242.8	290.4	342.8	366.6	444.1	384.1	289.7	10- 15	55.77	157.5
20.0	114.6	89.74	103.2	126.7	136.2	178.1	147.5	120.4	15- 20	31.67	189.2
25.0	45.46	38.81	43.82	43.91	47.74	60.22	50.92	45.37	20- 25	14.71	203.9
30.0	25.32	25.96	33.25	31.43	23.87	36.89	35.44	36.62	25- 30	9.803	213.7
35.0	24.14	14.30	17.67	16.03	26.87	20.31	16.49	17.67	30- 35	6.574	220.3
40.0	14.39	11.75	17.85	12.11	12.75	14.48	14.85	13.02	35- 40	5.168	225.5
45.0	10.56	9.384	10.84	12.11	9.019	12.39	11.66	12.02	40- 45	4.531	230.0
50.0	9.201	6.468	8.017	7.106	7.835	9.110	7.470	8.472	45- 50	3.657	233.7
55.0	6.924	5.284	7.197	5.648	5.375	7.015	5.466	6.833	50- 55	2.927	236.6
60.0	6.104	4.099	6.013	4.555	4.737	6.104	4.555	5.830	55- 60	2.585	239.2
65.0	4.919	3.553	5.010	3.553	3.917	5.466	3.826	5.101	60- 65	2.294	241.5
70.0	4.464	3.188	4.099	3.188	3.279	4.373	3.279	4.099	65- 70	2.021	243.5
75.0	3.553	2.733	3.188	2.824	2.550	3.735	3.006	3.370	70- 75	1.755	245.3
80.0	3.006	2.186	2.915	2.186	2.277	3.006	2.277	3.006	75- 80	1.478	246.7
85.0	2.824	2.095	2.733	2.095	2.095	2.824	2.095	2.824	80- 85	1.360	248.1
90.0	2.733	2.004	2.642	2.004	2.095	2.733	2.004	2.642	85- 90	1.313	249.4
95.0	2.642	2.004	2.642	2.095	2.004	2.642	2.004	2.642	90- 95	1.276	250.7
100.0	2.550	2.004	2.550	2.004	2.095	2.642	2.004	2.550	95-100	1.250	251.9
105.0	2.459	2.095	2.550	2.095	2.095	2.550	2.095	2.459	100-105	1.223	253.2
110.0	2.459	2.004	2.459	2.095	2.095	2.459	2.095	2.459	105-110	1.187	254.3
115.0	2.459	2.004	2.459	2.004	2.095	2.459	2.095	2.459	110-115	1.141	255.5
120.0	2.459	2.095	2.459	2.004	2.095	2.459	2.095	2.459	115-120	1.095	256.6
125.0	2.368	2.095	2.368	2.095	2.095	2.368	2.095	2.368	120-125	1.038	257.6
130.0	2.368	2.095	2.368	2.095	2.095	2.459	2.095	2.368	125-130	0.972	258.6
135.0	2.368	2.095	2.368	2.095	2.095	2.368	2.095	2.368	130-135	0.903	259.5
140.0	2.368	2.186	2.277	2.095	2.186	2.368	2.095	2.368	135-140	0.833	260.3
145.0	2.459	2.277	2.368	2.277	2.277	2.368	2.186	2.459	140-145	0.764	261.1
150.0	2.550	2.459	2.550	2.368	2.368	2.459	2.277	2.550	145-150	0.707	261.8
155.0	2.824	2.824	2.824	2.733	2.550	2.733	2.550	2.824	150-155	0.662	262.5
160.0	3.188	3.188	3.097	3.006	2.915	3.097	2.824	3.188	155-160	0.612	263.1
165.0	3.462	3.462	3.370	3.370	3.188	3.370	3.188	3.370	160-165	0.531	263.6
170.0	3.462	3.462	3.462	3.370	3.370	3.370	3.279	3.370	165-170	0.402	264.0
175.0	3.462	3.279	3.462	3.370	3.462	3.370	3.370	3.279	170-175	0.242	264.3
180.0	3.370	3.279	3.370	3.279	3.462	3.279	3.370	3.279	175-180	0.080	264.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

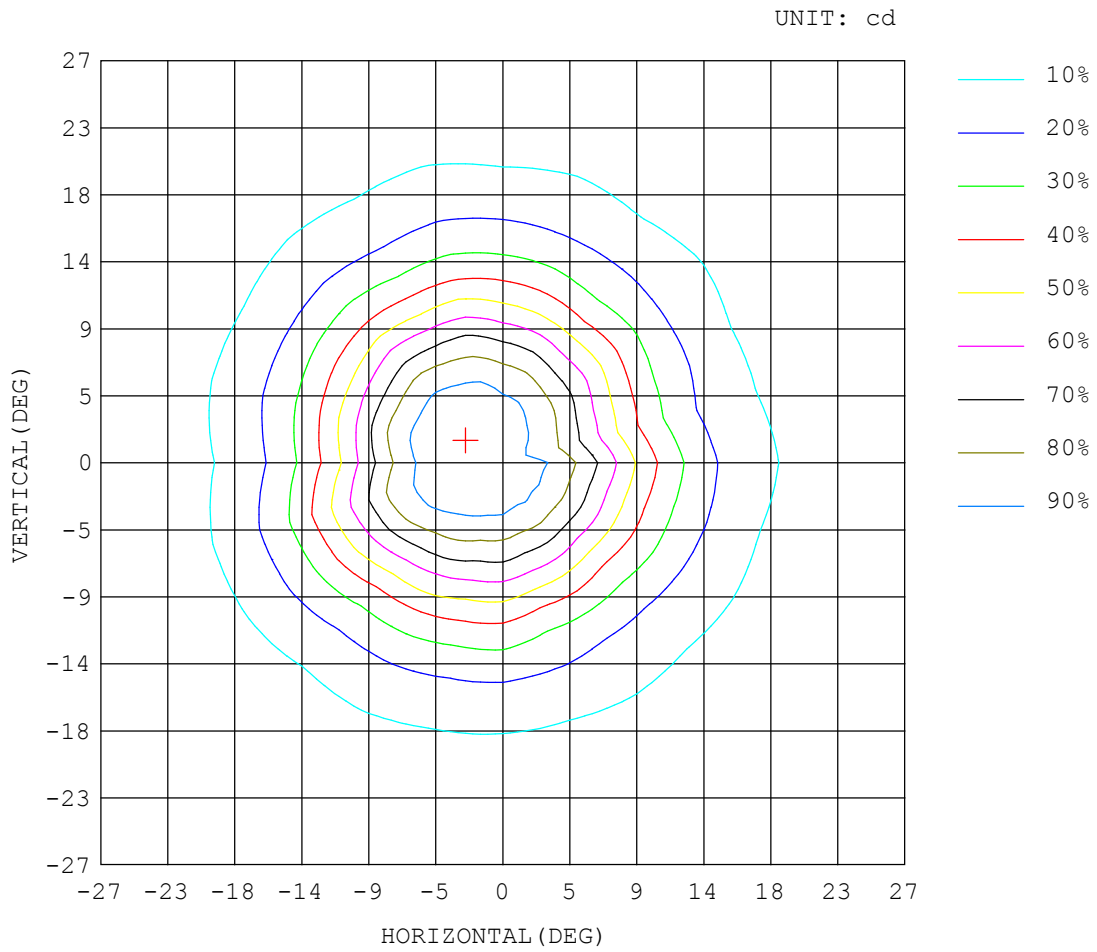
Test System:LSG-1600
Temperature:23.1DEG
Operators:FATMA KARA
Test Date:01-08-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:51%
Test Distance:9.545 m
Remarks: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114



Test System: LSG-1600
Temperature: 23.1 DEG
Operators: FATMA KARA
Test Date: 01-08-2014

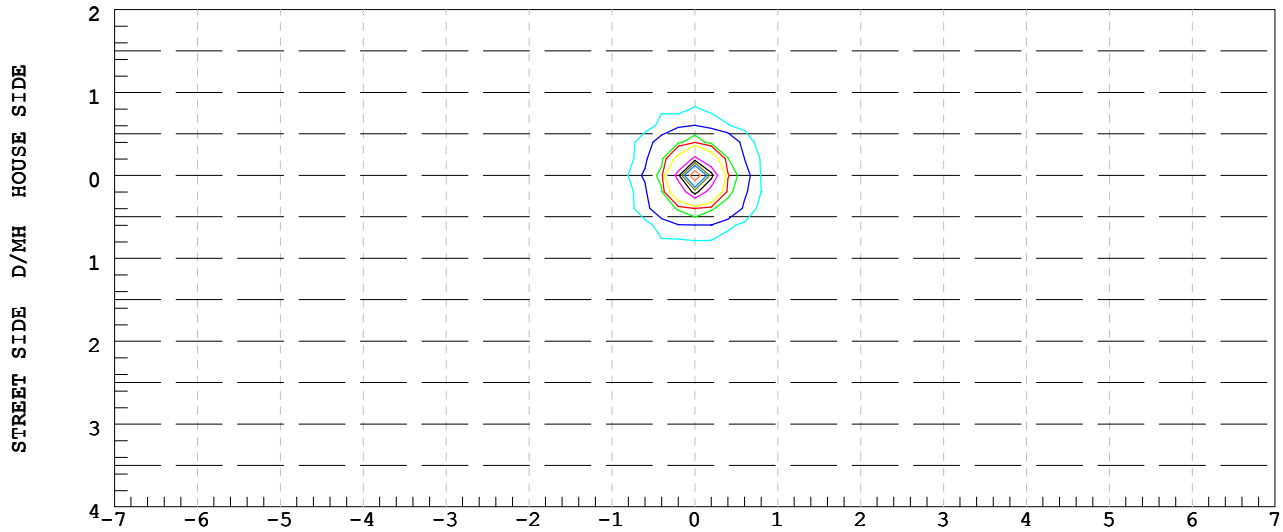
Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 51%
Test Distance: 9.545 m
Remarks: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65

ISOLUX DIAGRAM

Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114

ILLUMINANCE AT MH=10 m, Enadir = 14.80 lx



RATIO OF DISTANCE TO MOUNTING HEIGHT

0.074	0.150	0.440	0.740	1.5
4.4	5.9	7.4	8.9	12

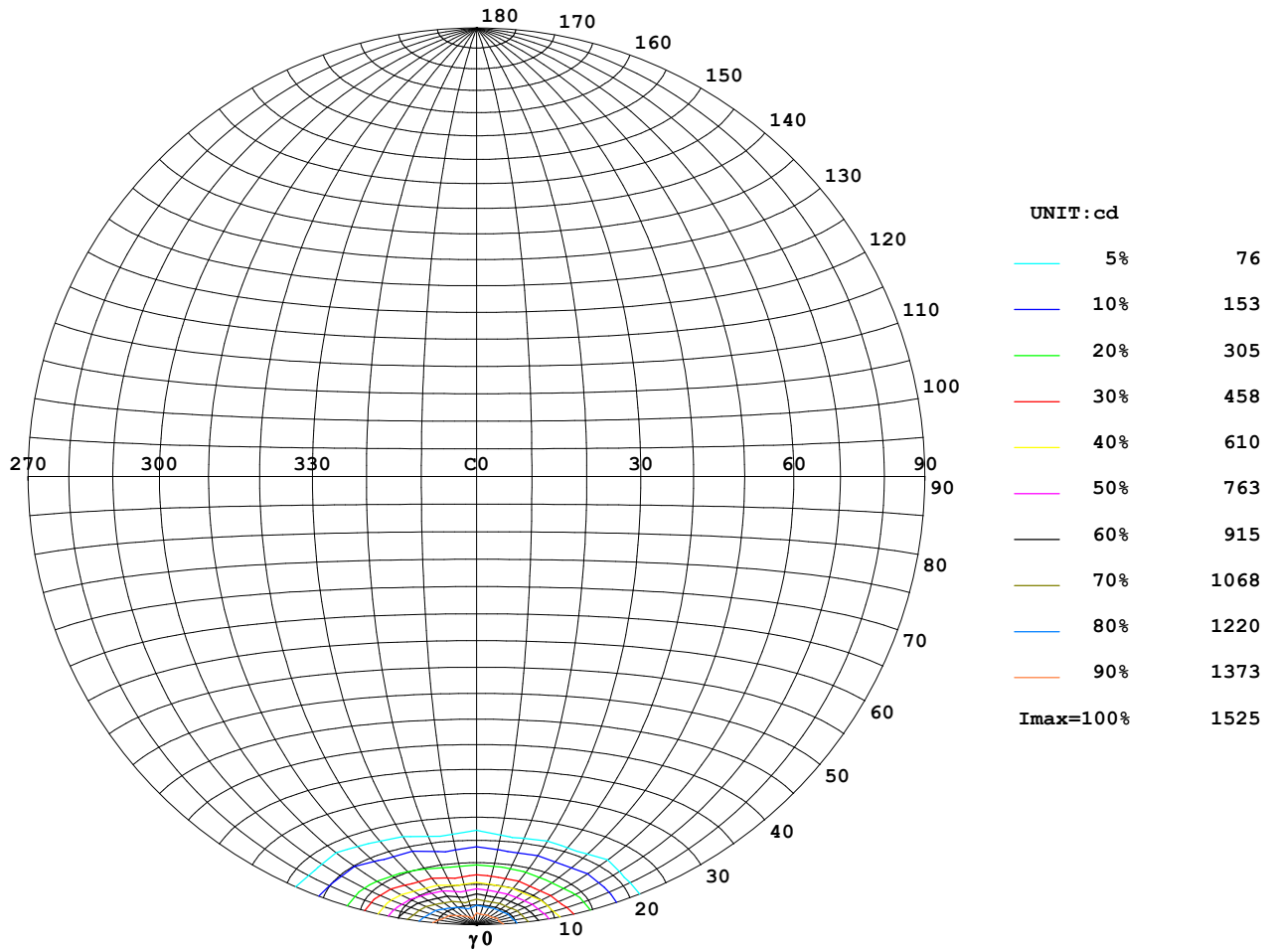
Test System: LSG-1600
 Temperature: 23.1 DEG
 Operators: FATMA KARA
 Test Date: 01-08-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
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ISOCANDELA DIAGRAM

Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114



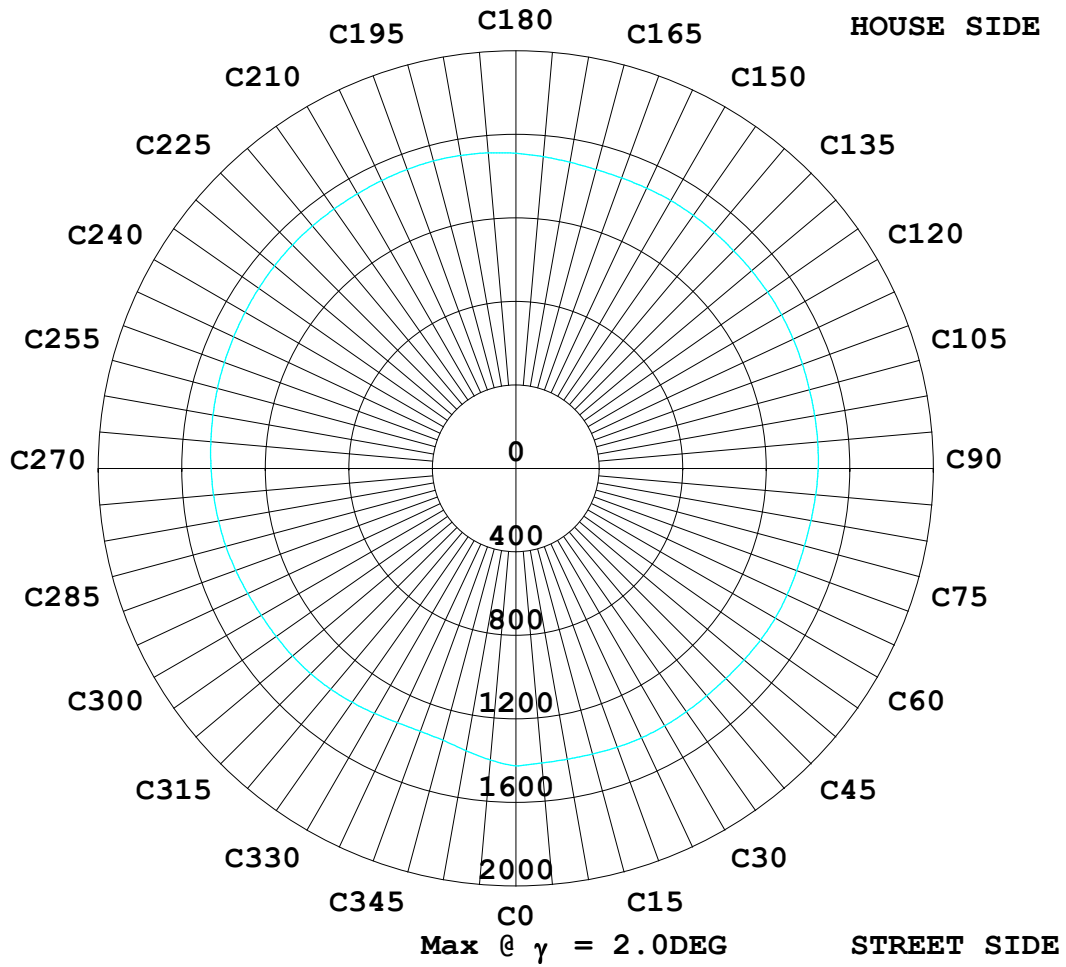
Test System: LSG-1600
 Temperature: 23.1 DEG
 Operators: FATMA KARA
 Test Date: 01-08-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 51%
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ISOCANDELA DIAGRAM

Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114



Test System: LSG-1600
 Temperature: 23.1DEG
 Operators: FATMA KARA
 Test Date: 01-08-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1500	1494	1496	1491	1489	1481	1480	1475	1469	1460	1447	1442	1500	1494	1496
5.0	1212	1180	1182	1175	1198	1202	1239	1262	1319	1360	1420	1443	1439	1464	1470
10.0	650	609	602	567	604	611	689	703	777	818	925	992	875	933	970
15.0	278	261	248	243	252	251	290	300	329	343	411	442	367	408	439
20.0	115	97.1	99.4	89.7	103	93.6	103	105	127	127	151	158	136	161	160
25.0	45.4	40.2	43.4	38.8	37.9	42.8	43.8	40.4	44.9	43.9	51.7	53.6	47.7	58.0	51.2
30.0	25.3	28.1	32.0	25.9	24.1	24.8	33.2	26.8	25.8	31.4	46.1	43.9	23.8	35.1	34.6
35.0	24.1	14.8	18.4	14.3	25.0	14.3	17.6	15.1	25.0	16.0	19.4	17.3	26.8	19.9	16.9
40.0	14.3	11.2	17.0	11.7	14.3	11.0	17.8	10.8	14.7	12.1	17.5	13.3	12.7	14.1	12.2
45.0	10.5	10.4	11.7	9.38	10.1	9.11	10.8	9.38	10.2	12.1	14.0	12.0	9.01	11.6	10.2
50.0	9.20	6.65	8.29	6.46	9.11	6.37	8.01	6.55	9.65	7.10	9.11	7.74	7.83	8.83	7.19
55.0	6.92	5.19	6.65	5.28	6.74	5.64	7.19	5.46	6.92	5.64	7.01	5.37	5.37	7.01	5.64
60.0	6.10	4.19	5.64	4.09	6.37	4.46	6.01	4.73	6.46	4.55	5.92	4.46	4.73	6.19	4.55
65.0	4.91	3.55	4.73	3.55	4.73	3.91	5.01	4.00	4.91	3.55	5.10	4.00	3.91	5.01	4.46
70.0	4.46	3.09	4.19	3.18	4.28	3.18	4.09	3.00	4.28	3.18	4.37	3.27	3.27	4.46	3.46
75.0	3.55	2.45	3.73	2.73	3.27	2.36	3.18	2.45	3.55	2.82	3.91	3.18	2.55	3.64	2.55
80.0	3.00	2.18	3.00	2.18	2.91	2.18	2.91	2.09	3.00	2.18	3.09	2.27	2.27	3.00	2.18
85.0	2.82	2.09	2.82	2.09	2.82	2.09	2.73	2.09	2.82	2.09	2.91	2.09	2.09	2.82	2.09
90.0	2.73	2.00	2.64	2.00	2.64	2.09	2.64	2.00	2.73	2.00	2.73	2.09	2.09	2.73	2.00
95.0	2.64	2.00	2.64	2.00	2.64	2.00	2.64	2.00	2.64	2.09	2.64	2.00	2.00	2.64	2.00
100.0	2.55	2.00	2.55	2.00	2.55	2.09	2.55	2.09	2.55	2.00	2.55	2.00	2.09	2.55	2.09
105.0	2.45	2.09	2.55	2.09	2.55	2.00	2.55	2.09	2.55	2.09	2.45	2.00	2.09	2.55	2.09
110.0	2.45	2.09	2.55	2.00	2.45	2.09	2.45	2.09	2.45	2.09	2.55	2.09	2.09	2.55	2.09
115.0	2.45	2.00	2.45	2.00	2.45	2.09	2.45	2.00	2.45	2.00	2.36	2.00	2.09	2.45	2.00
120.0	2.45	2.09	2.36	2.09	2.36	2.09	2.45	2.00	2.36	2.00	2.36	2.09	2.09	2.45	2.09
125.0	2.36	2.09	2.36	2.09	2.36	2.09	2.36	2.09	2.45	2.09	2.36	2.09	2.09	2.36	2.09
130.0	2.36	2.09	2.36	2.09	2.36	2.09	2.36	2.09	2.36	2.09	2.36	2.09	2.09	2.36	2.09
135.0	2.36	2.09	2.36	2.09	2.36	2.18	2.36	2.09	2.36	2.09	2.36	2.09	2.09	2.36	2.18
140.0	2.36	2.18	2.36	2.18	2.36	2.18	2.27	2.18	2.36	2.09	2.27	2.09	2.18	2.36	2.18
145.0	2.45	2.27	2.45	2.27	2.45	2.27	2.36	2.27	2.45	2.27	2.36	2.18	2.27	2.36	2.18
150.0	2.55	2.45	2.64	2.45	2.64	2.45	2.55	2.36	2.55	2.36	2.55	2.36	2.36	2.45	2.36
155.0	2.82	2.73	3.00	2.82	2.91	2.73	2.82	2.64	2.82	2.73	2.73	2.55	2.55	2.64	2.55
160.0	3.18	3.09	3.27	3.18	3.27	3.09	3.09	3.00	3.18	3.00	3.00	2.91	2.91	3.00	2.91
165.0	3.46	3.37	3.46	3.46	3.46	3.37	3.37	3.37	3.46	3.37	3.37	3.18	3.18	3.27	3.18
170.0	3.46	3.37	3.46	3.46	3.46	3.46	3.46	3.46	3.55	3.37	3.46	3.37	3.37	3.37	3.37
175.0	3.46	3.37	3.37	3.27	3.37	3.37	3.46	3.37	3.37	3.37	3.37	3.37	3.46	3.37	3.27
180.0	3.37	3.27	3.27	3.27	3.27	3.27	3.37	3.27	3.37	3.27	3.27	3.27	3.46	3.27	3.27

Test System: LSG-1600
 Temperature: 23.1 DEG
 Operators: FATMA KARA
 Test Date: 01-08-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000114

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT:
SPECIFICATION: CROMA GARDENA 1	DIMENSION: 58X130mm 77R	SERIAL No.: 7877114

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1491	1489	1481	1480	1475	1469	1460	1447	1442
5.0	1470	1442	1416	1345	1327	1260	1211	1144	1102
10.0	998	948	926	843	786	714	679	602	548
15.0	444	409	411	384	354	324	290	252	236
20.0	178	159	170	148	148	123	120	98.7	96.7
25.0	60.2	59.1	60.1	50.9	54.5	46.1	45.3	35.3	39.6
30.0	36.8	25.4	42.6	35.4	34.8	22.2	36.6	24.6	28.0
35.0	20.3	26.6	19.8	16.4	19.1	23.4	17.6	14.6	16.4
40.0	14.4	13.3	15.7	14.8	14.3	12.0	13.0	12.9	12.5
45.0	12.3	9.20	13.5	11.6	13.7	8.29	12.0	8.92	10.8
50.0	9.11	8.29	9.74	7.47	9.38	7.19	8.47	6.46	7.83
55.0	7.01	5.55	7.01	5.46	6.83	5.37	6.83	5.46	6.74
60.0	6.10	4.55	6.01	4.55	5.92	4.46	5.83	4.37	5.55
65.0	5.46	3.73	4.91	3.82	4.82	3.73	5.10	3.73	4.82
70.0	4.37	3.37	4.37	3.27	4.09	3.27	4.09	3.00	3.91
75.0	3.73	2.73	3.82	3.00	3.91	2.45	3.37	2.27	3.18
80.0	3.00	2.18	3.09	2.27	3.09	2.18	3.00	2.09	2.91
85.0	2.82	2.09	2.91	2.09	2.82	2.09	2.82	2.09	2.82
90.0	2.73	2.09	2.73	2.00	2.73	2.00	2.64	2.00	2.64
95.0	2.64	2.00	2.64	2.00	2.55	2.09	2.64	2.00	2.64
100.0	2.64	2.00	2.55	2.00	2.55	2.00	2.55	2.00	2.55
105.0	2.55	2.00	2.55	2.09	2.55	2.00	2.45	2.00	2.45
110.0	2.45	2.00	2.55	2.09	2.45	2.00	2.45	2.00	2.45
115.0	2.45	2.00	2.45	2.09	2.36	2.09	2.45	2.00	2.45
120.0	2.45	2.09	2.45	2.09	2.45	2.09	2.45	2.09	2.45
125.0	2.36	2.09	2.45	2.09	2.36	2.09	2.36	2.09	2.36
130.0	2.45	2.09	2.36	2.09	2.36	2.09	2.36	2.09	2.36
135.0	2.36	2.09	2.36	2.09	2.36	2.09	2.36	2.09	2.36
140.0	2.36	2.09	2.36	2.09	2.36	2.09	2.36	2.18	2.36
145.0	2.36	2.18	2.45	2.18	2.36	2.18	2.45	2.18	2.45
150.0	2.45	2.36	2.45	2.27	2.45	2.36	2.55	2.45	2.64
155.0	2.73	2.55	2.73	2.55	2.73	2.64	2.82	2.73	2.82
160.0	3.09	2.91	3.00	2.82	3.00	3.00	3.18	3.09	3.09
165.0	3.37	3.18	3.27	3.18	3.27	3.18	3.37	3.27	3.37
170.0	3.37	3.37	3.37	3.27	3.37	3.27	3.37	3.37	3.46
175.0	3.37	3.27	3.37	3.37	3.37	3.27	3.27	3.18	3.37
180.0	3.27	3.27	3.37	3.37	3.37	3.27	3.27	3.27	3.37

Test System: LSG-1600
 Temperature: 23.1 DEG
 Operators: FATMA KARA
 Test Date: 01-08-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 25D 4W 220VAC 50HZ IP65