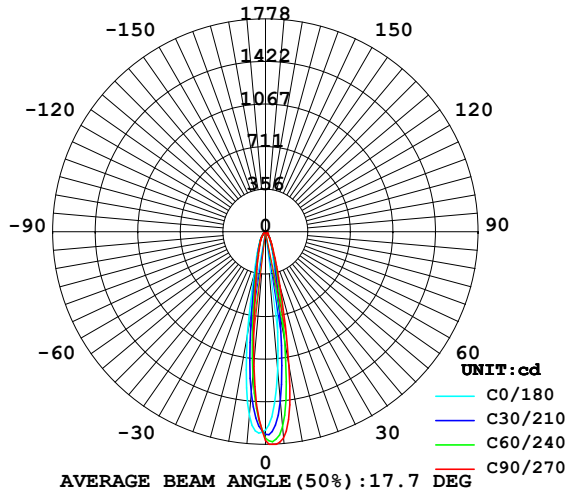


STREETLIGHT PHOTOMETRIC TEST REPORT

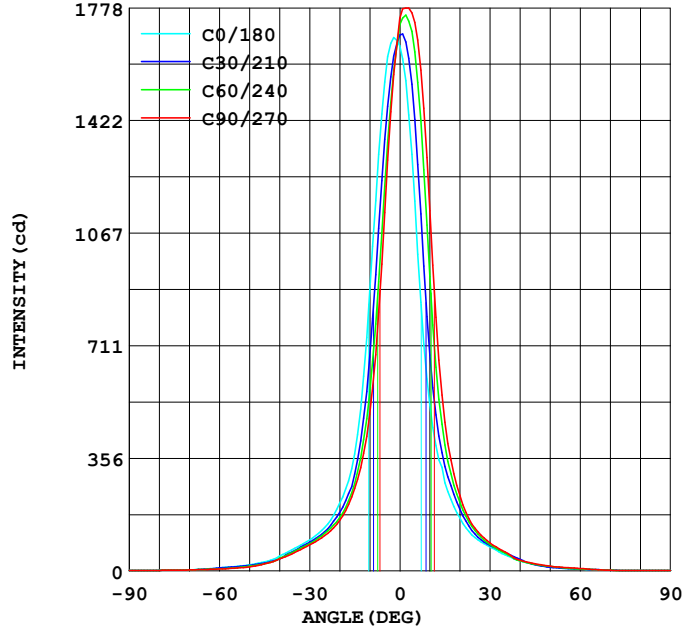
Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273

TEST DATA:					
MODEL:	CG1	Imax (cd) :	1789	η street_up (%) :	1.6
NOMINAL POWER (W) :	4	MAXIMUM (C, γ :	285,3.0	η street_down (%) :	55.7
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	337.3	η house_up (%) :	1.4
NOMINAL FLUX (lm) :	337.3	EFFICIENCY (%) :	100.0	η house_down (%) :	41.3
TEST FLUX (lm) :	337.3	η up (%) :	3.0		
LAMPS QUANTITY:	1	η down (%) :	97.0		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test: U:220.8V I:0.041A P:4.380W PF:0.474

Test System: LSG-1600
 Temperature: 30 DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ

ZONAL FLUX DIAGRAM

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1544	1269	1132	1142	1168	1555	1732	1684	0- 5	36.36	36.36
10.0	881.7	596.5	495.0	502.6	522.5	810.3	1137	1065	5- 10	69.93	106.2
15.0	369.5	281.5	260.7	265.4	278.7	374.4	469.0	435.7	10- 15	54.68	160.9
20.0	213.2	168.3	159.5	161.2	166.9	215.6	237.9	226.4	15- 20	39.39	200.3
25.0	137.2	116.1	111.5	108.8	105.5	129.4	134.9	141.3	20- 25	30.58	230.9
30.0	97.75	84.82	82.36	76.98	75.70	86.82	88.55	98.30	25- 30	25.02	255.9
35.0	70.79	59.76	58.12	49.83	51.47	59.58	60.03	71.42	30- 35	20.61	276.6
40.0	46.73	34.25	37.99	31.52	31.52	34.89	33.80	48.83	35- 40	15.33	291.9
45.0	28.78	21.59	22.50	20.59	20.31	22.86	22.68	28.51	40- 45	10.45	302.3
50.0	19.49	15.21	12.93	14.03	12.29	15.03	15.21	16.85	45- 50	7.280	309.6
55.0	14.03	10.65	8.928	10.20	7.926	9.839	10.65	11.20	50- 55	5.256	314.9
60.0	9.384	6.195	6.195	6.195	5.648	7.106	7.835	7.835	55- 60	3.824	318.7
65.0	6.468	4.190	4.737	3.097	4.008	5.101	4.373	5.739	60- 65	2.716	321.4
70.0	3.644	2.459	3.097	1.913	2.186	3.188	2.186	4.008	65- 70	1.770	323.2
75.0	2.459	1.822	2.459	1.639	1.731	2.277	1.822	2.642	70- 75	1.202	324.4
80.0	2.095	1.639	2.004	1.457	1.457	2.004	1.548	2.186	75- 80	1.024	325.4
85.0	1.822	1.366	1.731	1.366	1.366	1.731	1.366	1.822	80- 85	0.906	326.3
90.0	1.639	1.366	1.457	1.275	1.275	1.639	1.275	1.639	85- 90	0.825	327.2
95.0	1.457	1.275	1.548	1.275	1.275	1.548	1.184	1.548	90- 95	0.770	327.9
100.0	1.457	1.275	1.457	1.275	1.275	1.548	1.275	1.457	95-100	0.747	328.7
105.0	1.457	1.275	1.457	1.275	1.275	1.457	1.275	1.457	100-105	0.733	329.4
110.0	1.457	1.366	1.457	1.275	1.366	1.457	1.275	1.457	105-110	0.712	330.1
115.0	1.457	1.275	1.366	1.366	1.366	1.457	1.275	1.366	110-115	0.692	330.8
120.0	1.457	1.366	1.457	1.366	1.366	1.457	1.275	1.457	115-120	0.670	331.5
125.0	1.457	1.366	1.457	1.366	1.366	1.457	1.275	1.457	120-125	0.647	332.1
130.0	1.457	1.457	1.548	1.457	1.457	1.457	1.366	1.457	125-130	0.619	332.7
135.0	1.548	1.457	1.548	1.548	1.457	1.548	1.457	1.548	130-135	0.598	333.3
140.0	1.639	1.548	1.639	1.639	1.548	1.548	1.457	1.548	135-140	0.575	333.9
145.0	1.731	1.822	1.913	1.913	1.731	1.731	1.639	1.639	140-145	0.563	334.5
150.0	2.004	2.186	2.277	2.277	2.095	1.913	1.822	1.913	145-150	0.569	335.0
155.0	2.277	2.642	2.642	2.733	2.459	2.368	2.186	2.186	150-155	0.578	335.6
160.0	2.733	2.915	2.824	3.006	2.733	2.733	2.550	2.642	155-160	0.557	336.2
165.0	2.915	3.006	2.915	3.097	2.915	3.006	2.733	2.915	160-165	0.474	336.7
170.0	3.006	2.915	2.915	2.915	2.915	2.915	2.915	2.915	165-170	0.349	337.0
175.0	2.915	2.733	2.824	2.733	2.824	2.733	2.824	2.824	170-175	0.204	337.2
180.0	2.824	2.642	2.733	2.642	2.824	2.642	2.824	2.733	175-180	0.066	337.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

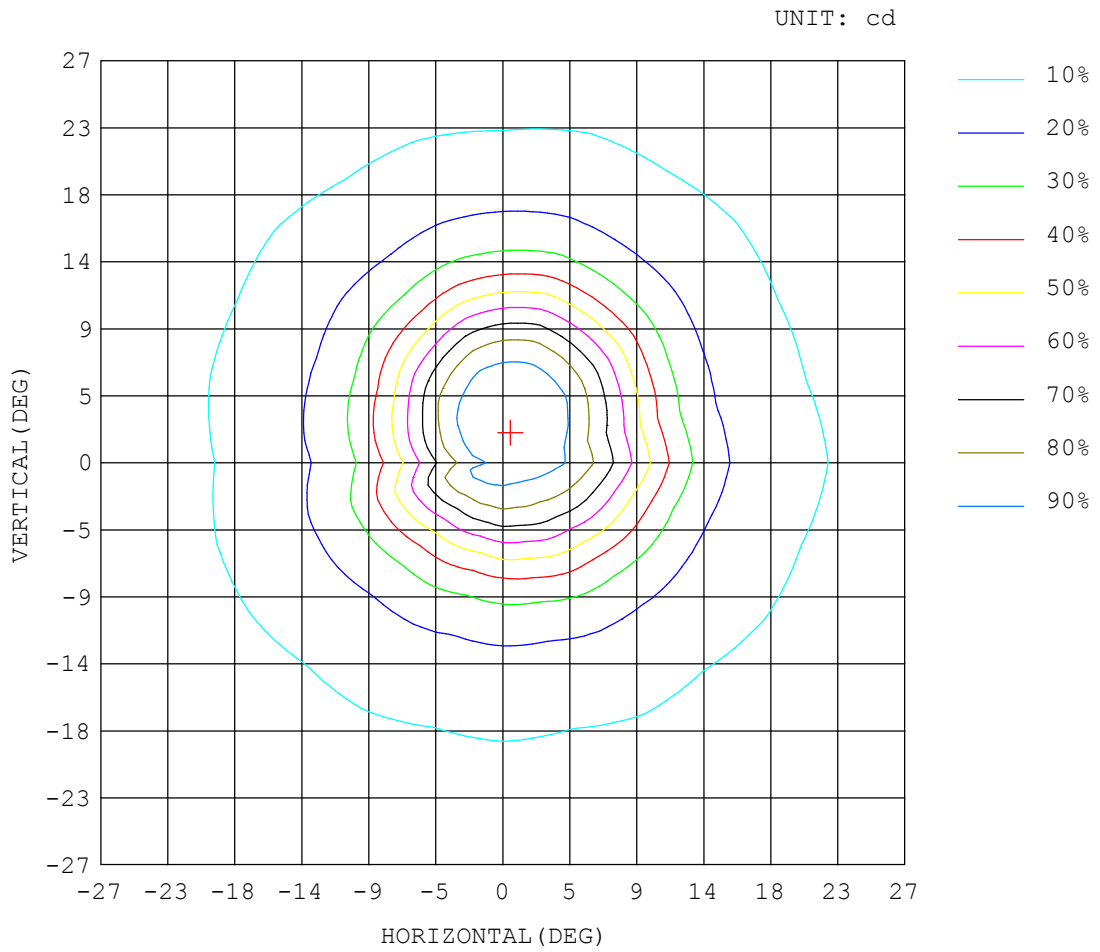
Test System: LSG-1600
 Temperature: 30DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ

ISOCANDELA DIAGRAM

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273



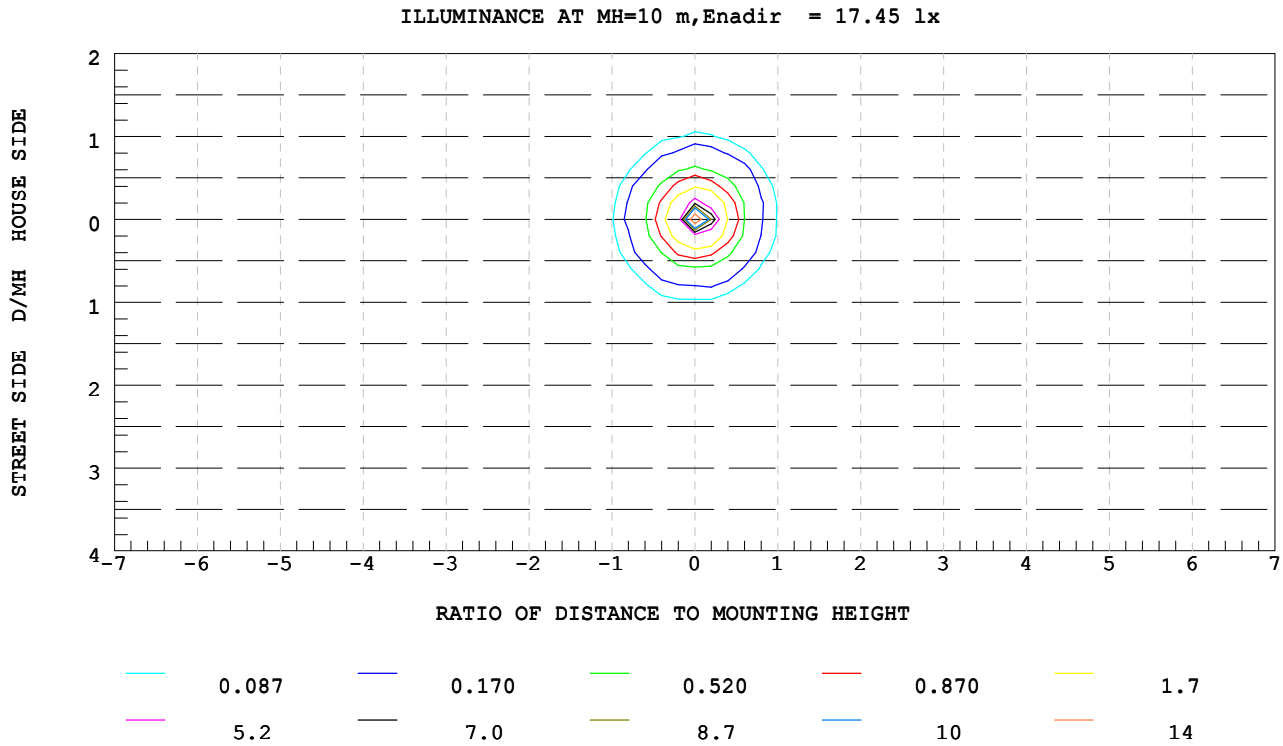
Test System: LSG-1600
 Temperature: 30DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ

ISOLUX DIAGRAM

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273



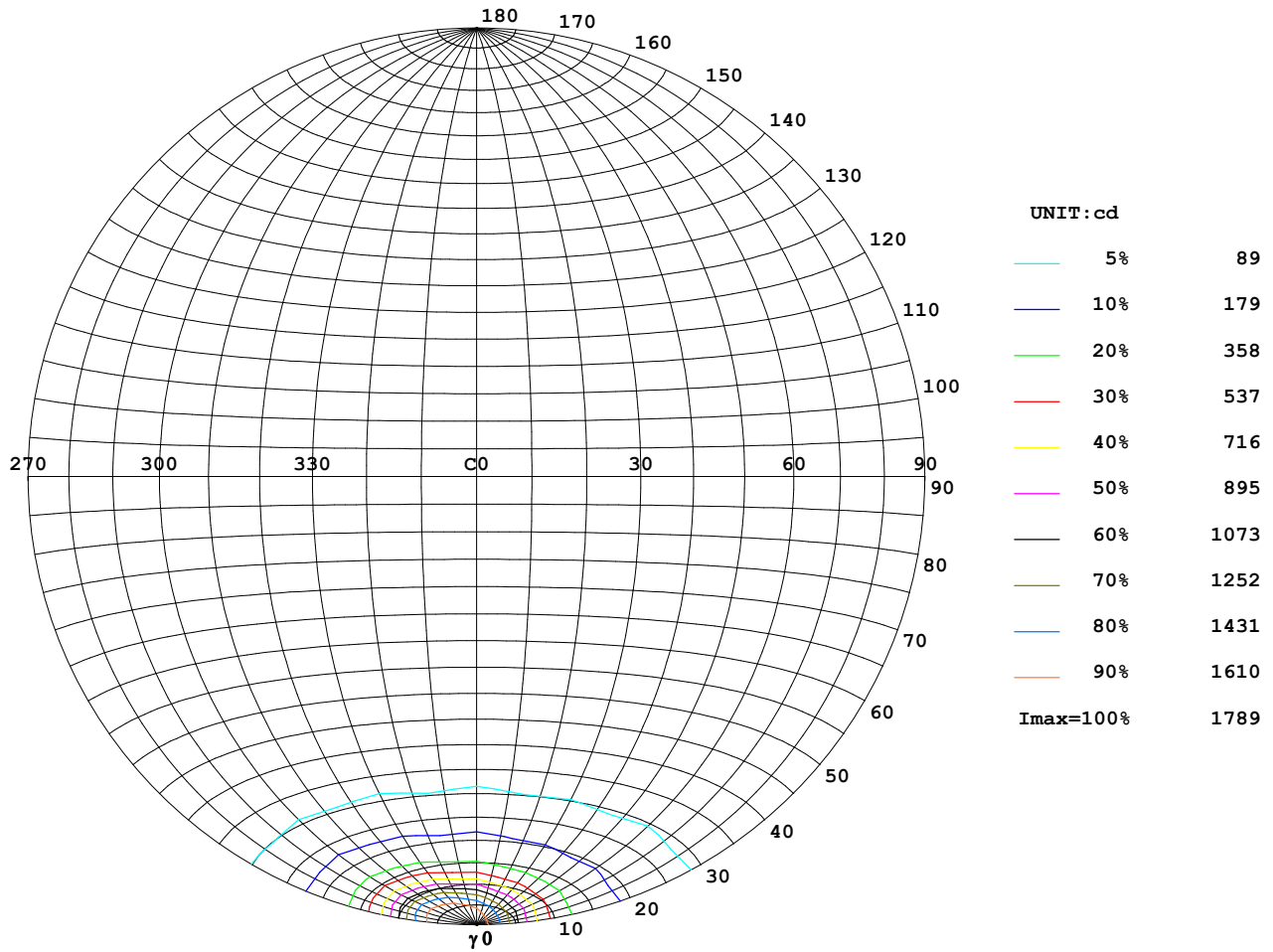
Test System: LSG-1600
 Temperature: 30DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ

ISOCANDELA DIAGRAM

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273



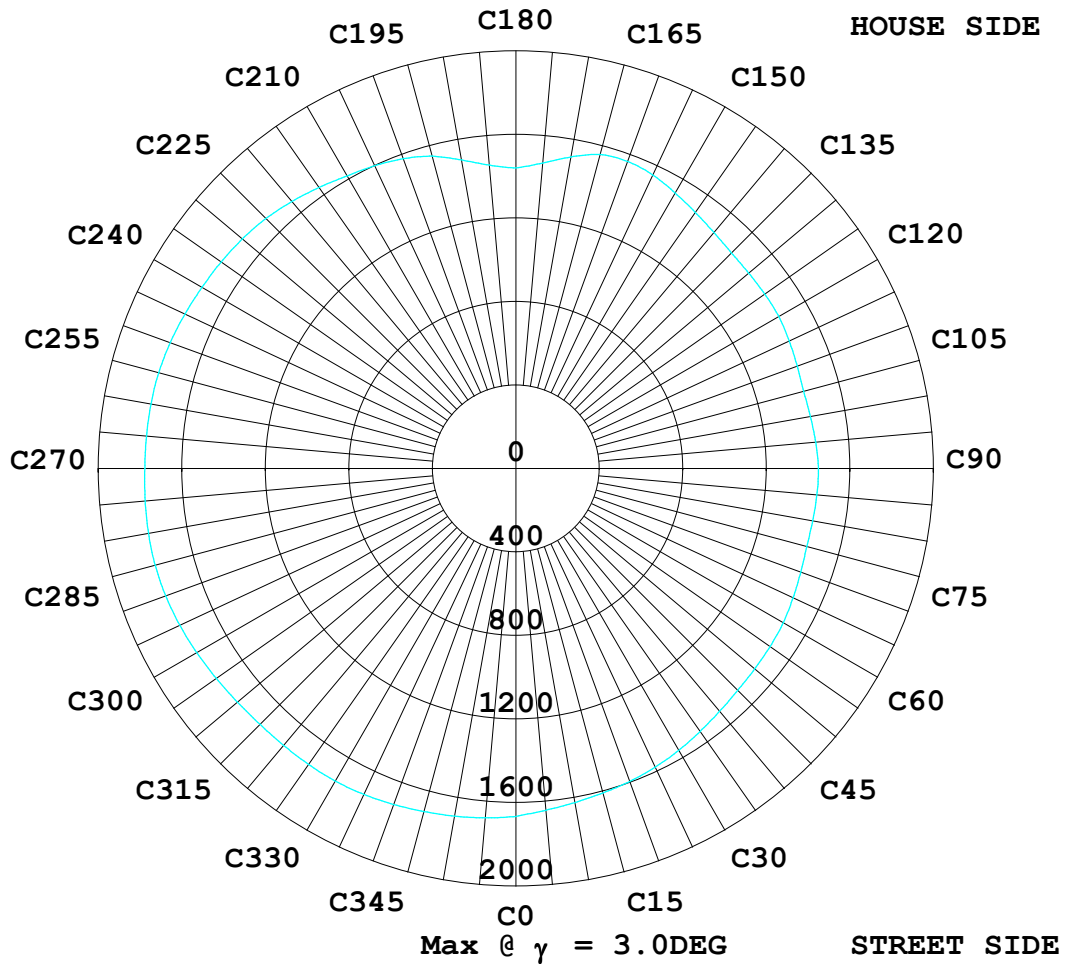
Test System: LSG-1600
 Temperature: 30DEG
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Test Set: 2.0deg/s C-Gamma (TYPE C)
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ISOCANDELA DIAGRAM

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273



Test System: LSG-1600
 Temperature: 30DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1658	1679	1692	1707	1725	1730	1745	1740	1753	1741	1744	1730	1658	1679	1692
5.0	1544	1447	1362	1269	1215	1151	1132	1098	1124	1142	1225	1299	1168	1312	1426
10.0	882	748	675	597	560	507	495	473	497	503	548	583	523	602	681
15.0	370	329	306	282	276	257	261	251	266	265	287	299	279	312	330
20.0	213	191	184	168	168	157	160	154	163	161	173	177	167	186	195
25.0	137	124	124	116	118	110	112	106	112	109	116	113	106	115	116
30.0	97.7	90.1	90.6	84.8	86.7	80.9	82.3	77.2	80.9	76.9	82.3	79.7	75.7	82.0	80.4
35.0	70.7	64.2	64.4	59.7	61.8	58.0	58.1	51.9	53.6	49.8	54.8	54.2	51.4	59.2	57.8
40.0	46.7	37.9	38.3	34.2	40.4	37.5	37.9	31.5	33.4	31.5	34.9	33.3	31.5	38.1	37.0
45.0	28.7	24.6	25.1	21.5	22.8	19.6	22.5	20.5	22.2	20.5	23.1	22.2	20.3	21.5	19.5
50.0	19.4	16.8	17.6	15.2	15.3	11.7	12.9	13.3	15.5	14.0	15.7	14.8	12.2	13.4	12.0
55.0	14.0	12.1	13.1	10.6	9.65	8.01	8.92	7.74	10.7	10.2	11.3	9.47	7.92	9.38	8.19
60.0	9.38	8.92	9.56	6.19	6.65	5.28	6.19	5.37	6.74	6.19	7.65	6.28	5.64	6.65	5.73
65.0	6.46	5.10	5.37	4.19	4.82	4.09	4.73	3.73	4.09	3.09	4.00	4.00	4.00	5.19	4.46
70.0	3.64	2.45	3.00	2.45	3.27	2.64	3.09	2.27	2.64	1.91	2.55	2.18	2.18	3.09	2.64
75.0	2.45	1.82	2.36	1.82	2.36	1.91	2.45	1.82	2.27	1.63	2.18	1.73	1.73	2.36	1.91
80.0	2.09	1.54	2.00	1.63	2.00	1.63	2.00	1.54	1.91	1.45	1.91	1.45	1.45	2.00	1.54
85.0	1.82	1.45	1.73	1.36	1.73	1.45	1.73	1.36	1.73	1.36	1.73	1.36	1.36	1.73	1.45
90.0	1.63	1.36	1.63	1.36	1.54	1.27	1.45	1.27	1.54	1.27	1.63	1.27	1.27	1.54	1.27
95.0	1.45	1.27	1.54	1.27	1.54	1.27	1.54	1.27	1.54	1.27	1.54	1.27	1.27	1.54	1.27
100.0	1.45	1.27	1.54	1.27	1.45	1.27	1.45	1.27	1.45	1.27	1.45	1.27	1.27	1.45	1.27
105.0	1.45	1.27	1.45	1.27	1.45	1.27	1.45	1.27	1.45	1.27	1.45	1.27	1.27	1.45	1.27
110.0	1.45	1.27	1.45	1.36	1.36	1.27	1.45	1.27	1.45	1.27	1.45	1.27	1.36	1.45	1.27
115.0	1.45	1.27	1.45	1.27	1.45	1.36	1.36	1.27	1.36	1.36	1.45	1.36	1.36	1.45	1.27
120.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.27	1.45	1.36	1.45	1.36	1.36	1.36	1.27
125.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.36	1.45	1.36
130.0	1.45	1.45	1.45	1.45	1.45	1.36	1.54	1.36	1.54	1.45	1.54	1.45	1.45	1.45	1.45
135.0	1.54	1.45	1.54	1.45	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.45	1.54	1.45
140.0	1.63	1.54	1.63	1.54	1.63	1.63	1.63	1.63	1.63	1.63	1.73	1.54	1.54	1.63	1.54
145.0	1.73	1.73	1.82	1.82	1.91	1.91	1.91	1.91	1.91	1.91	1.82	1.82	1.73	1.73	1.73
150.0	2.00	2.00	2.09	2.18	2.27	2.27	2.27	2.27	2.36	2.27	2.27	2.09	2.09	2.09	2.00
155.0	2.27	2.36	2.45	2.64	2.73	2.73	2.64	2.64	2.73	2.73	2.64	2.55	2.45	2.45	2.36
160.0	2.73	2.73	2.82	2.91	3.00	2.91	2.82	2.82	3.00	3.00	2.91	2.82	2.73	2.82	2.73
165.0	2.91	2.82	2.91	3.00	3.00	2.91	2.91	2.91	3.00	3.09	3.00	2.91	2.91	2.91	3.00
170.0	3.00	3.00	3.00	2.91	2.91	2.82	2.91	2.82	2.91	2.91	2.91	2.91	2.91	3.00	2.91
175.0	2.91	2.82	2.82	2.73	2.73	2.73	2.82	2.73	2.73	2.73	2.82	2.82	2.82	2.82	2.73
180.0	2.82	2.73	2.64	2.64	2.64	2.64	2.73	2.73	2.64	2.64	2.73	2.73	2.82	2.73	2.64

Test System: LSG-1600
 Temperature: 30 DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000526

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG1 Z503 CW 10D 4W 220VAC 50HZ	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 1	DIMENSION: Ø77	SERIAL No.: 7875273

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1707	1725	1730	1745	1740	1753	1741	1744	1730
5.0	1555	1638	1710	1732	1753	1723	1684	1619	1536
10.0	810	929	1069	1137	1179	1127	1065	939	822
15.0	374	397	451	469	492	460	436	378	348
20.0	216	217	235	238	249	233	226	206	199
25.0	129	128	138	135	143	138	141	131	130
30.0	86.8	83.5	90.2	88.5	95.8	93.5	98.3	91.7	93.6
35.0	59.5	56.0	60.9	60.0	66.3	65.8	71.4	66.6	67.7
40.0	34.8	31.7	35.4	33.8	38.3	43.4	48.8	45.6	45.0
45.0	22.8	20.8	24.0	22.6	24.8	24.5	28.5	26.9	27.5
50.0	15.0	14.3	16.3	15.2	17.3	16.2	16.8	15.1	17.9
55.0	9.83	9.65	11.6	10.6	12.2	10.2	11.2	9.93	11.5
60.0	7.10	6.37	8.65	7.83	8.19	6.74	7.83	6.74	8.01
65.0	5.10	4.28	4.91	4.37	5.64	4.73	5.73	4.82	5.73
70.0	3.18	2.27	2.82	2.18	3.37	3.00	4.00	3.18	3.64
75.0	2.27	1.73	2.27	1.82	2.36	1.91	2.64	2.00	2.36
80.0	2.00	1.54	2.00	1.54	2.00	1.63	2.18	1.73	2.09
85.0	1.73	1.36	1.73	1.36	1.82	1.45	1.82	1.45	1.82
90.0	1.63	1.27	1.63	1.27	1.63	1.27	1.63	1.36	1.73
95.0	1.54	1.18	1.54	1.18	1.54	1.27	1.54	1.27	1.54
100.0	1.54	1.18	1.54	1.27	1.45	1.27	1.45	1.27	1.54
105.0	1.45	1.18	1.45	1.27	1.45	1.27	1.45	1.27	1.45
110.0	1.45	1.27	1.36	1.27	1.36	1.27	1.45	1.27	1.36
115.0	1.45	1.27	1.36	1.27	1.45	1.27	1.36	1.27	1.45
120.0	1.45	1.27	1.45	1.27	1.45	1.36	1.45	1.27	1.45
125.0	1.45	1.27	1.45	1.27	1.45	1.36	1.45	1.27	1.45
130.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.36
135.0	1.54	1.45	1.45	1.45	1.45	1.45	1.54	1.36	1.45
140.0	1.54	1.45	1.54	1.45	1.54	1.54	1.54	1.54	1.63
145.0	1.73	1.63	1.63	1.63	1.63	1.63	1.63	1.54	1.73
150.0	1.91	1.91	1.82	1.82	1.91	1.82	1.91	1.82	1.91
155.0	2.36	2.27	2.18	2.18	2.18	2.18	2.18	2.27	2.36
160.0	2.73	2.64	2.55	2.55	2.55	2.64	2.64	2.73	2.82
165.0	3.00	2.91	2.73	2.73	2.82	2.91	2.91	2.91	2.91
170.0	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	3.00
175.0	2.73	2.73	2.82	2.82	2.82	2.82	2.82	2.82	2.91
180.0	2.64	2.55	2.73	2.82	2.73	2.73	2.73	2.64	2.73

Test System: LSG-1600
 Temperature: 30 DEG
 Operators: FATMA KARA
 Test Date: 08-19-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
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 Remarks: CG1 Z503 CW 10D 4W 220VAC 50HZ