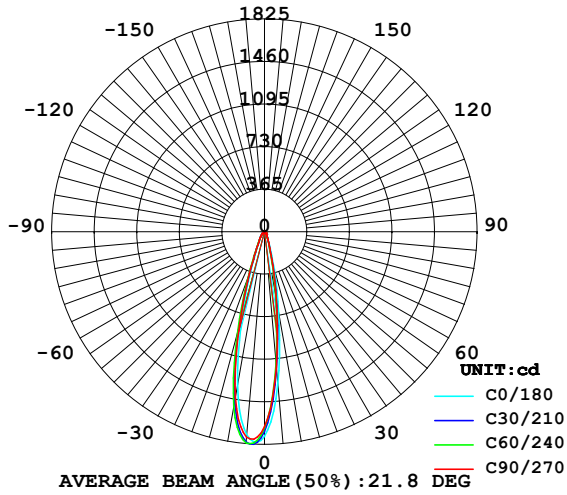


STREETLIGHT PHOTOMETRIC TEST REPORT

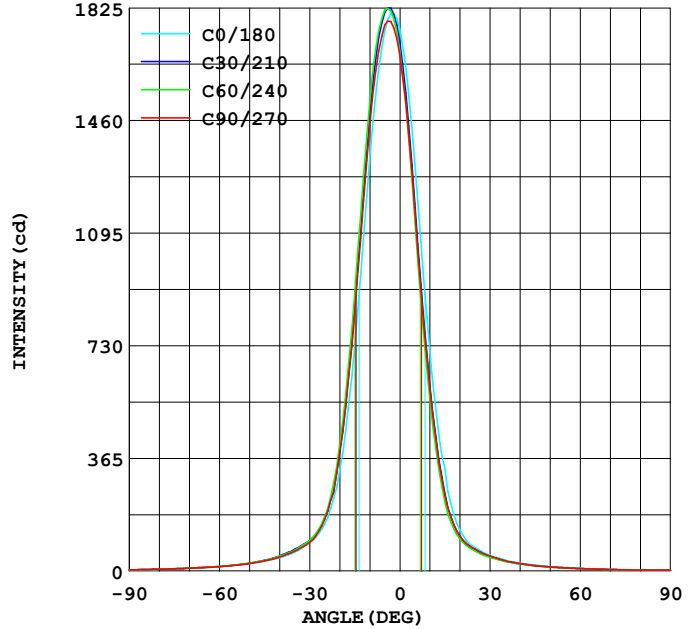
Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075

TEST DATA:					
MODEL:	CG3 Z509 R 25D 12W 220VAC 50HZ IP65	η street_up(%) :	2.4		
NOMINAL POWER (W) :	8	η street_down(%) :	58.1		
RATED VOLTAGE (V) :	220	η house_up(%) :	2.0		
NOMINAL FLUX (lm) :	404.9	η house_down(%) :	37.4		
TEST FLUX (lm) :	404.8	η up(%) :	4.4		
LAMPS QUANTITY:	1	η down(%) :	95.6		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test: U: 220.3V I: 0.073A P: 8.100W PF: 0.500

Test System: LSG-1600
 Temperature: 20.1 DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

ZONAL FLUX DIAGRAM

Report number: 0000041

MANUFACTURER: FİBERLİ	Address:PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE:CROMA GARDENA	WEIGHT:86mm
SPECIFICATION:CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.:20588075

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1750	1815	1769	1603	1322	1177	1171	1366	0- 5	37.42	37.42
10.0	1334	1494	1442	1131	709.7	589.2	590.7	807.2	5- 10	84.69	122.1
15.0	727.3	864.0	834.7	588.9	332.4	249.7	246.6	372.3	10- 15	81.70	203.8
20.0	323.9	378.4	381.5	252.9	132.0	118.6	113.0	169.0	15- 20	53.37	257.2
25.0	152.1	159.2	166.4	111.6	75.98	74.70	70.79	94.11	20- 25	31.06	288.2
30.0	92.10	91.01	91.92	68.05	50.83	50.29	48.56	62.59	25- 30	20.89	309.1
35.0	61.13	61.31	63.59	46.82	35.62	35.89	33.34	43.54	30- 35	16.24	325.4
40.0	42.63	42.45	45.18	32.06	25.60	27.05	24.23	31.24	35- 40	12.89	338.3
45.0	31.70	30.15	32.88	23.32	19.04	20.49	17.31	23.23	40- 45	10.33	348.6
50.0	24.05	22.13	24.14	17.12	14.30	15.76	12.84	17.58	45- 50	8.382	357.0
55.0	18.40	16.67	18.22	12.93	10.93	12.39	10.02	13.57	50- 55	6.814	363.8
60.0	14.30	12.29	14.21	10.11	8.564	9.839	7.744	10.75	55- 60	5.574	369.4
65.0	11.20	9.292	11.29	7.926	6.741	7.835	6.013	8.655	60- 65	4.587	373.9
70.0	8.837	7.197	9.019	6.195	5.193	6.286	4.737	6.833	65- 70	3.762	377.7
75.0	7.015	5.557	7.106	4.919	3.826	4.919	3.644	5.466	70- 75	3.053	380.8
80.0	5.284	4.282	5.648	3.553	2.915	4.008	2.824	4.282	75- 80	2.435	383.2
85.0	4.190	3.097	4.373	2.824	2.550	3.553	2.459	3.644	80- 85	1.959	385.2
90.0	3.735	2.642	3.735	2.459	2.459	3.279	2.368	3.370	85- 90	1.707	386.9
95.0	3.462	2.459	3.462	2.368	2.368	3.188	2.277	3.279	90- 95	1.580	388.4
100.0	3.188	2.368	3.188	2.368	2.368	3.097	2.368	3.097	95-100	1.510	390.0
105.0	3.097	2.368	3.097	2.368	2.368	3.006	2.368	3.006	100-105	1.464	391.4
110.0	3.097	2.368	3.006	2.368	2.459	3.006	2.368	3.006	105-110	1.414	392.8
115.0	3.006	2.459	3.006	2.368	2.459	2.915	2.368	3.006	110-115	1.359	394.2
120.0	3.006	2.459	2.915	2.368	2.459	2.915	2.459	2.915	115-120	1.299	395.5
125.0	2.915	2.368	2.915	2.459	2.459	2.824	2.459	2.915	120-125	1.235	396.7
130.0	2.824	2.459	2.915	2.459	2.550	2.915	2.459	2.824	125-130	1.161	397.9
135.0	2.824	2.550	2.824	2.459	2.642	2.824	2.550	2.824	130-135	1.077	399.0
140.0	2.824	2.550	2.824	2.550	2.642	2.915	2.642	2.824	135-140	1.003	400.0
145.0	2.915	2.642	2.915	2.642	2.824	3.097	2.824	2.915	140-145	0.927	400.9
150.0	3.006	2.733	3.006	2.915	3.006	3.370	3.097	3.188	145-150	0.863	401.8
155.0	3.279	3.097	3.188	3.188	3.462	3.735	3.370	3.462	150-155	0.808	402.6
160.0	3.553	3.462	3.462	3.644	3.826	4.099	3.735	3.826	155-160	0.744	403.3
165.0	4.008	3.917	3.826	4.008	4.190	4.190	4.099	4.008	160-165	0.642	404.0
170.0	4.282	4.190	4.190	4.099	4.282	4.190	4.099	4.099	165-170	0.487	404.4
175.0	4.373	4.190	4.282	4.099	4.282	4.099	4.190	4.008	170-175	0.297	404.7
180.0	4.282	4.190	4.282	4.008	4.282	4.190	4.190	4.008	175-180	0.099	404.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

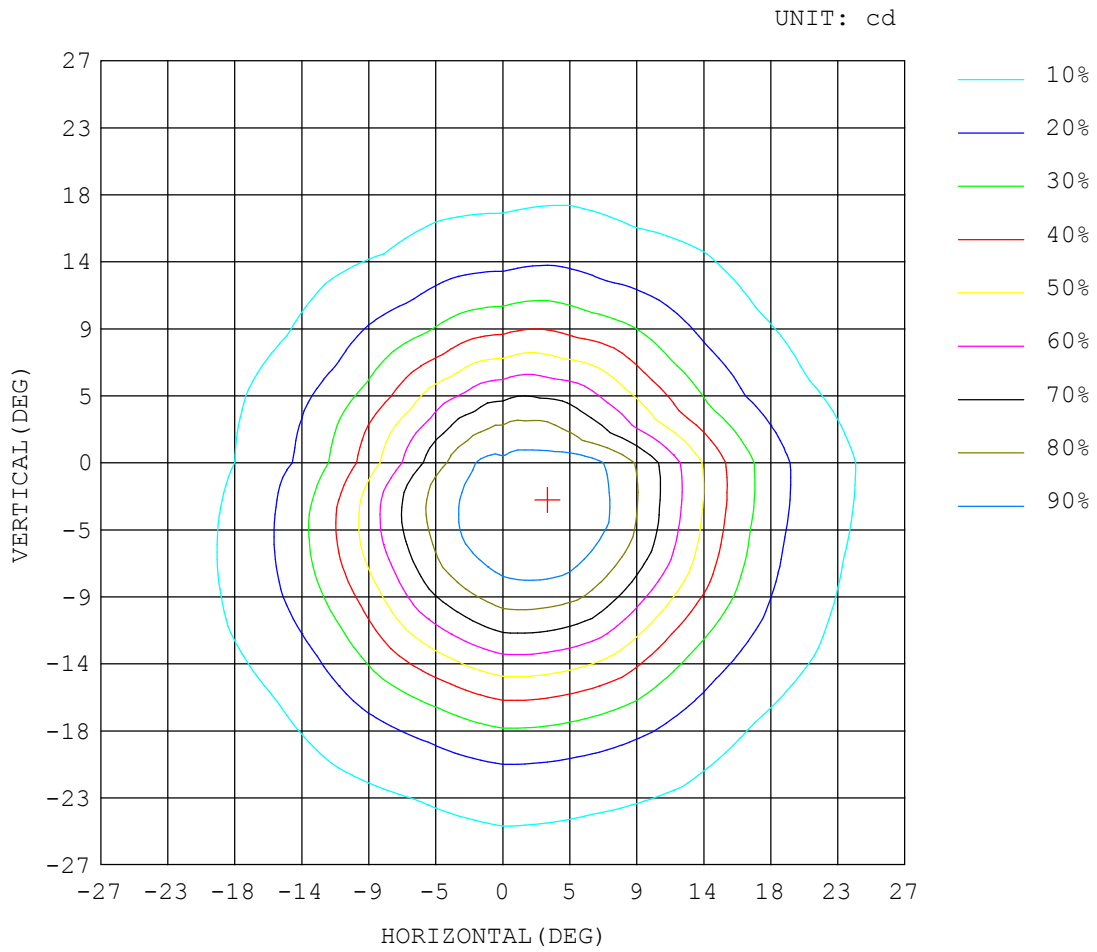
Test System:LSG-1600
Temperature:20.1DEG
Operators:FATMA KARA
Test Date:12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:49%
Test Distance:9.545 m
Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075



Test System: LSG-1600
 Temperature: 20.1 DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

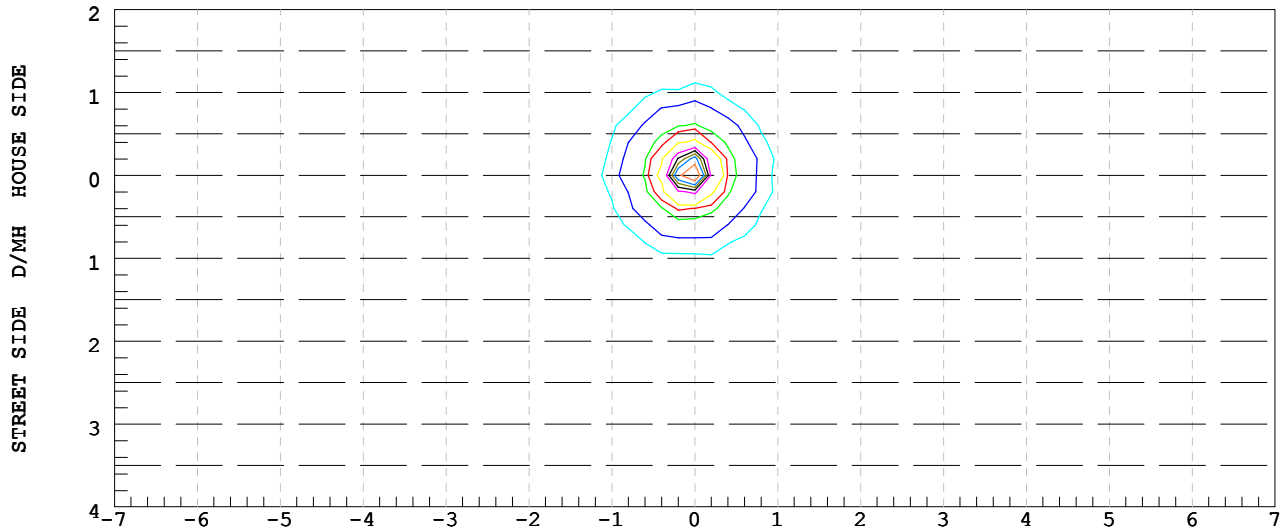
Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

ISOLUX DIAGRAM

Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075

ILLUMINANCE AT MH=10 m, Enadir = 16.72 lx



0.084	0.170	0.500	0.840	1.7
5.0	6.7	8.4	10	13

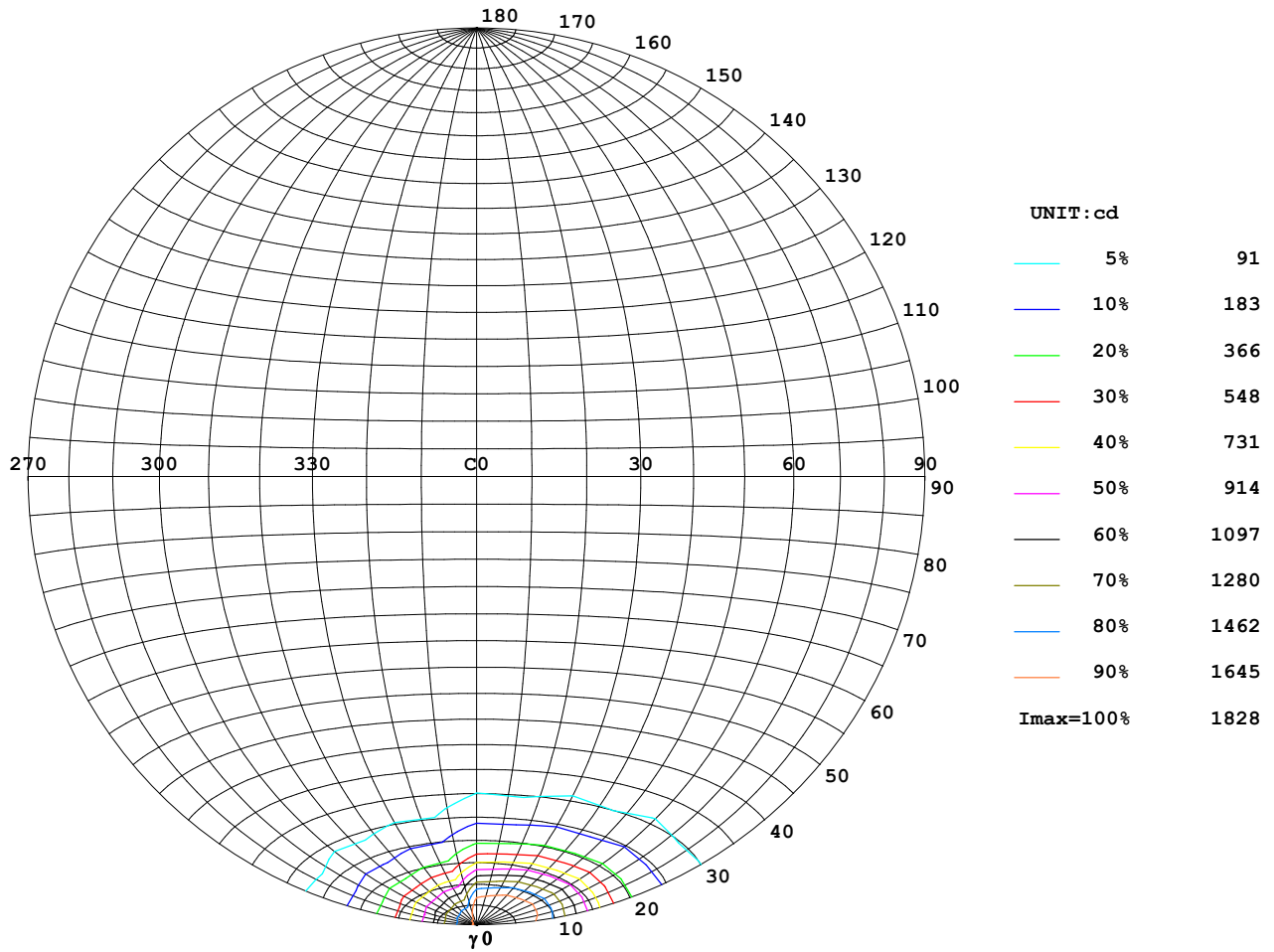
Test System: LSG-1600
 Temperature: 20.1 DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075



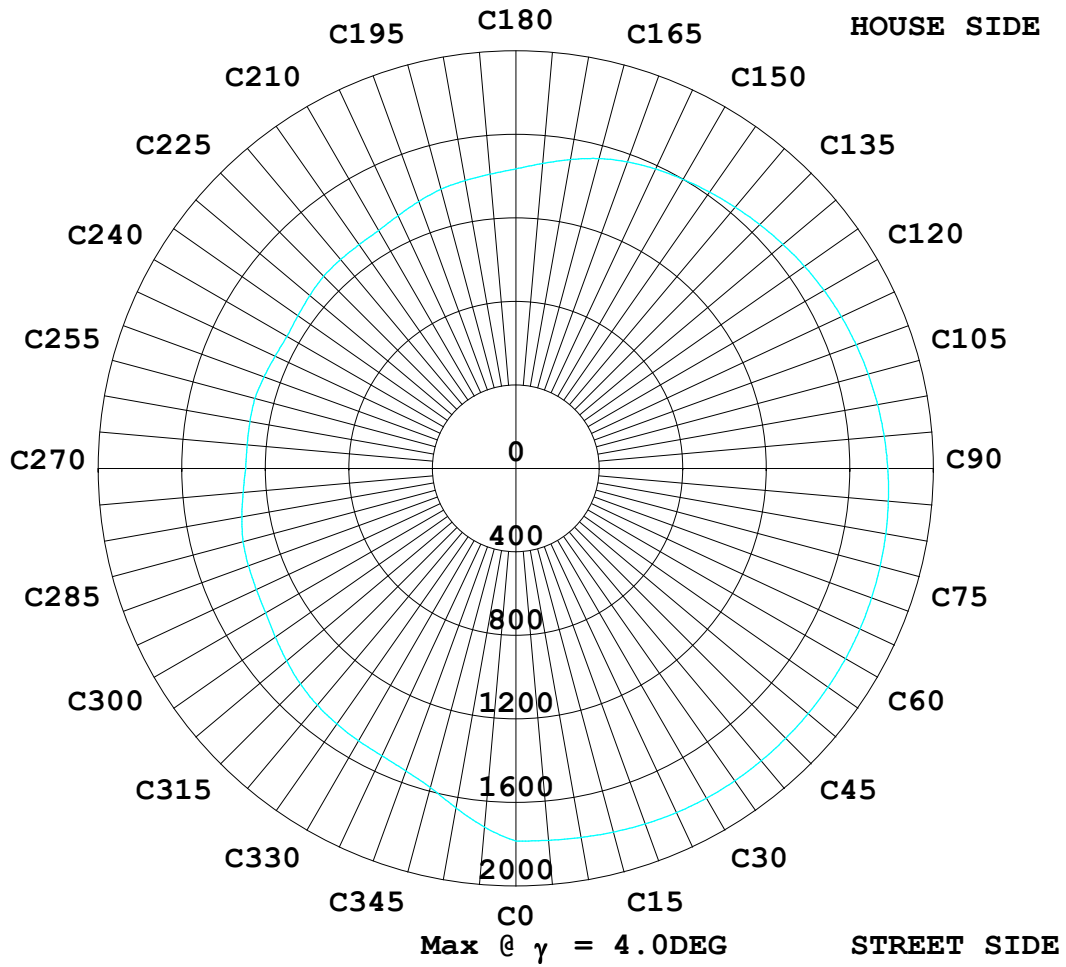
Test System: LSG-1600
 Temperature: 20.1 DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075



Test System: LSG-1600
 Temperature: 20.1DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1756	1737	1713	1705	1686	1685	1672	1678	1672	1681	1682	1691	1756	1737	1713
5.0	1750	1777	1810	1815	1818	1798	1769	1724	1674	1603	1541	1455	1322	1265	1190
10.0	1334	1389	1471	1494	1517	1476	1442	1344	1262	1131	1032	903	710	668	599
15.0	727	776	849	864	896	862	835	751	693	589	515	429	332	290	251
20.0	324	338	383	378	408	386	382	332	307	253	229	178	132	132	113
25.0	152	151	169	159	175	163	166	139	137	112	110	87.5	75.9	78.8	70.3
30.0	92.1	88.1	98.6	91.0	98.8	88.9	91.9	77.5	79.9	68.0	69.0	56.8	50.8	54.6	47.3
35.0	61.1	58.1	69.6	61.3	67.0	60.4	63.5	51.2	53.5	46.8	48.4	39.4	35.6	38.9	32.2
40.0	42.6	40.2	48.7	42.4	47.8	42.0	45.1	35.8	37.2	32.0	34.1	28.1	25.6	28.4	23.3
45.0	31.7	29.1	34.6	30.1	34.1	29.7	32.8	26.6	28.0	23.3	25.5	21.0	19.0	21.4	17.4
50.0	24.0	21.2	25.1	22.1	25.6	21.1	24.1	19.6	21.5	17.1	19.5	15.9	14.3	16.3	13.1
55.0	18.4	15.6	18.8	16.6	19.4	15.5	18.2	14.9	16.8	12.9	15.1	11.9	10.9	12.8	10.1
60.0	14.3	11.7	14.4	12.2	14.7	11.9	14.2	11.2	13.2	10.1	12.0	9.29	8.56	10.2	7.83
65.0	11.2	9.01	11.4	9.29	11.4	9.20	11.2	8.74	10.4	7.92	9.65	7.28	6.74	8.29	6.10
70.0	8.83	7.01	9.11	7.19	9.11	7.19	9.01	6.83	8.47	6.19	7.74	5.64	5.19	6.55	4.73
75.0	7.01	5.46	7.19	5.55	7.28	5.55	7.10	5.28	6.83	4.91	6.10	4.28	3.82	5.19	3.73
80.0	5.28	4.00	5.73	4.28	5.73	4.19	5.64	4.00	5.19	3.55	4.91	3.18	2.91	4.09	2.91
85.0	4.19	3.00	4.37	3.09	4.46	3.09	4.37	3.00	4.09	2.82	3.91	2.64	2.55	3.64	2.45
90.0	3.73	2.55	3.82	2.64	3.73	2.55	3.73	2.55	3.64	2.45	3.46	2.45	2.45	3.37	2.36
95.0	3.46	2.36	3.46	2.45	3.46	2.36	3.46	2.36	3.37	2.36	3.27	2.36	2.36	3.18	2.36
100.0	3.18	2.36	3.27	2.36	3.18	2.36	3.18	2.27	3.18	2.36	3.09	2.36	2.36	3.09	2.36
105.0	3.09	2.36	3.18	2.36	3.09	2.36	3.09	2.36	3.18	2.36	3.09	2.36	2.36	3.09	2.36
110.0	3.09	2.36	3.09	2.36	3.00	2.36	3.00	2.36	3.00	2.36	3.00	2.36	2.45	3.00	2.36
115.0	3.00	2.45	3.00	2.45	3.00	2.36	3.00	2.36	2.91	2.36	3.00	2.36	2.45	2.91	2.36
120.0	3.00	2.45	3.00	2.45	2.91	2.36	2.91	2.45	2.91	2.36	2.91	2.36	2.45	2.91	2.45
125.0	2.91	2.45	2.91	2.36	2.91	2.45	2.91	2.36	2.91	2.45	2.91	2.36	2.45	2.91	2.45
130.0	2.82	2.45	2.91	2.45	2.91	2.45	2.91	2.45	2.82	2.45	2.82	2.45	2.55	2.82	2.45
135.0	2.82	2.45	2.82	2.55	2.82	2.45	2.82	2.45	2.82	2.45	2.82	2.55	2.64	2.82	2.55
140.0	2.82	2.55	2.82	2.55	2.82	2.55	2.82	2.55	2.82	2.55	2.82	2.55	2.64	2.91	2.64
145.0	2.91	2.64	2.91	2.64	2.82	2.64	2.91	2.55	2.91	2.64	2.91	2.73	2.82	3.00	2.82
150.0	3.00	2.73	3.00	2.73	2.91	2.73	3.00	2.73	3.00	2.91	3.09	2.91	3.00	3.27	3.18
155.0	3.27	3.09	3.27	3.09	3.18	3.00	3.18	3.00	3.27	3.18	3.46	3.27	3.46	3.55	3.55
160.0	3.55	3.55	3.55	3.46	3.55	3.37	3.46	3.37	3.64	3.64	3.82	3.73	3.82	3.91	3.91
165.0	4.00	3.91	4.00	3.91	3.91	3.82	3.82	3.82	4.00	4.00	4.09	4.00	4.19	4.19	4.09
170.0	4.28	4.19	4.28	4.19	4.19	4.09	4.19	4.09	4.19	4.09	4.19	4.19	4.28	4.19	4.09
175.0	4.37	4.28	4.28	4.19	4.28	4.19	4.28	4.19	4.19	4.09	4.09	4.00	4.28	4.19	4.00
180.0	4.28	4.19	4.19	4.19	4.09	4.19	4.28	4.09	4.09	4.00	4.00	4.00	4.28	4.28	4.19

Test System: LSG-1600
 Temperature: 20.1 DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000041

MANUFACTURER: FİBERLİ	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 R 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: 86mm
SPECIFICATION: CROMA GARDENA 3	DIMENSION: 152R	SERIAL No.: 20588075

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1705	1686	1685	1672	1678	1672	1681	1682	1691
5.0	1177	1138	1168	1171	1239	1278	1366	1422	1512
10.0	589	555	586	591	661	699	807	872	993
15.0	250	224	245	247	287	308	372	412	493
20.0	119	105	116	113	134	136	169	178	219
25.0	74.7	64.8	74.9	70.7	81.9	79.8	94.1	93.4	112
30.0	50.2	44.1	51.4	48.5	55.6	52.0	62.5	62.2	74.1
35.0	35.8	30.8	36.5	33.3	38.9	35.7	43.5	43.4	51.6
40.0	27.0	23.3	27.0	24.2	28.7	25.8	31.2	30.3	36.6
45.0	20.4	17.5	20.4	17.3	21.6	19.0	23.2	21.3	26.9
50.0	15.7	13.0	15.6	12.8	16.3	14.0	17.5	15.4	20.2
55.0	12.3	9.93	12.2	10.0	12.6	10.5	13.5	11.6	15.3
60.0	9.83	7.65	9.74	7.74	10.0	8.19	10.7	9.01	12.0
65.0	7.83	5.92	7.83	6.01	8.01	6.37	8.65	7.01	9.47
70.0	6.28	4.64	6.28	4.73	6.37	4.82	6.83	5.46	7.56
75.0	4.91	3.37	4.91	3.64	5.19	3.73	5.46	4.19	6.01
80.0	4.00	2.73	4.00	2.82	4.09	2.82	4.28	3.00	4.73
85.0	3.55	2.45	3.55	2.45	3.55	2.55	3.64	2.55	3.91
90.0	3.27	2.36	3.27	2.36	3.37	2.36	3.37	2.45	3.55
95.0	3.18	2.36	3.18	2.27	3.18	2.27	3.27	2.27	3.27
100.0	3.09	2.36	3.09	2.36	3.09	2.27	3.09	2.27	3.18
105.0	3.00	2.36	3.00	2.36	3.00	2.36	3.00	2.36	3.09
110.0	3.00	2.36	3.00	2.36	3.00	2.36	3.00	2.36	3.00
115.0	2.91	2.45	2.91	2.36	2.91	2.36	3.00	2.36	2.91
120.0	2.91	2.36	2.91	2.45	2.82	2.36	2.91	2.36	2.91
125.0	2.82	2.45	2.82	2.45	2.82	2.45	2.91	2.36	2.82
130.0	2.91	2.45	2.91	2.45	2.91	2.45	2.82	2.45	2.82
135.0	2.82	2.55	2.82	2.55	2.82	2.45	2.82	2.45	2.82
140.0	2.91	2.64	2.91	2.64	2.91	2.55	2.82	2.55	2.82
145.0	3.09	2.82	3.00	2.82	3.00	2.73	2.91	2.64	2.91
150.0	3.37	3.09	3.27	3.09	3.18	3.00	3.18	2.91	3.00
155.0	3.73	3.55	3.64	3.37	3.46	3.46	3.46	3.18	3.27
160.0	4.09	3.91	4.00	3.73	3.82	3.73	3.82	3.55	3.55
165.0	4.19	4.09	4.19	4.09	4.09	4.00	4.00	3.91	3.91
170.0	4.19	4.09	4.19	4.09	4.09	4.00	4.09	4.00	4.09
175.0	4.09	4.00	4.19	4.19	4.00	3.91	4.00	3.91	4.09
180.0	4.19	4.09	4.09	4.19	4.09	4.00	4.00	4.00	4.09

Test System: LSG-1600
 Temperature: 20.1 DEG
 Operators: FATMA KARA
 Test Date: 12-13-2013

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 49%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 R 25D 12W 220VAC 50HZ IP65