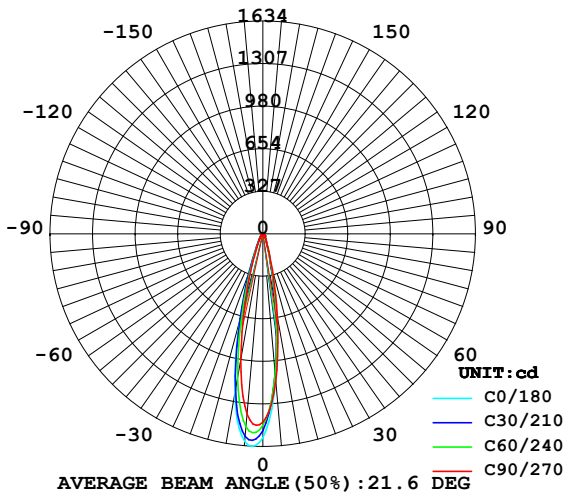


STREETLIGHT PHOTOMETRIC TEST REPORT

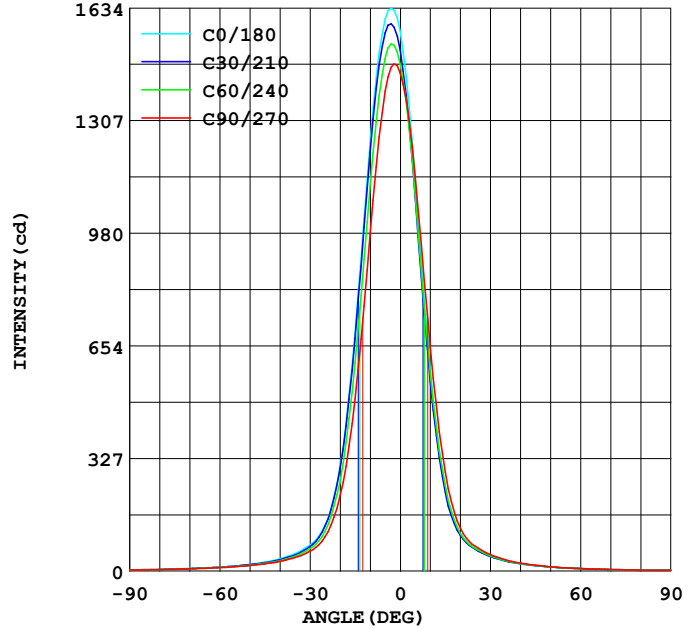
Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345

TEST DATA:					
MODEL:	CG3 Z509 A 25D 12W 220VAC 50HZ IP65	η street_up(%) :	2.9		
NOMINAL POWER(W) :	8	η street_down(%) :	59.1		
RATED VOLTAGE(V) :	220	η house_up(%) :	2.5		
NOMINAL FLUX(lm) :	332.4	η house_down(%) :	35.5		
TEST FLUX(lm) :	332.3	η up(%) :	5.4		
LAMPS QUANTITY:	1	η down(%) :	94.6		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test: U:220.3V I:0.074A P:8.190W PF:0.500

Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

ZONAL FLUX DIAGRAM

Report number: 0000382

MANUFACTURER: Fiberli	Address:PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE:CROMA GARDENA	WEIGHT:---
SPECIFICATION:CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.:20585345

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1602	1524	1393	1221	1132	1102	1143	1288	0- 5	32.43	32.43
10.0	1243	1155	977.9	743.2	583.1	576.9	648.5	845.2	5- 10	71.77	104.2
15.0	691.2	627.9	500.1	342.7	243.9	246.6	286.7	415.2	10- 15	66.05	170.2
20.0	302.4	269.9	218.4	138.4	108.4	114.5	125.2	180.8	15- 20	41.53	211.7
25.0	132.9	113.7	99.39	68.23	63.04	70.69	71.70	90.46	20- 25	24.08	235.8
30.0	75.61	62.40	58.03	44.36	42.09	47.64	47.64	58.85	25- 30	16.31	252.1
35.0	50.47	39.99	39.08	30.97	29.06	33.61	32.52	41.54	30- 35	12.55	264.7
40.0	35.34	27.60	27.96	22.23	21.13	25.14	23.32	29.24	35- 40	9.968	274.7
45.0	26.14	20.40	21.13	16.58	15.76	18.76	16.85	21.77	40- 45	8.106	282.8
50.0	19.58	15.39	16.30	12.57	11.84	14.12	12.66	16.39	45- 50	6.657	289.4
55.0	14.85	12.02	12.66	9.657	9.292	11.11	9.657	12.57	50- 55	5.472	294.9
60.0	11.66	9.201	10.11	7.652	7.288	8.928	7.470	10.02	55- 60	4.549	299.5
65.0	9.292	7.288	8.290	6.013	5.739	7.197	5.921	8.017	60- 65	3.805	303.3
70.0	7.470	5.739	6.650	4.646	4.555	5.830	4.646	6.468	65- 70	3.166	306.4
75.0	6.013	4.555	5.375	3.644	3.370	4.555	3.644	5.193	70- 75	2.605	309.0
80.0	4.737	3.279	4.373	2.915	2.642	3.735	2.824	4.282	75- 80	2.108	311.1
85.0	3.826	2.642	3.644	2.459	2.459	3.370	2.368	3.553	80- 85	1.750	312.9
90.0	3.462	2.459	3.279	2.277	2.368	3.188	2.368	3.279	85- 90	1.585	314.5
95.0	3.188	2.368	3.188	2.277	2.277	3.006	2.277	3.097	90- 95	1.502	316.0
100.0	3.097	2.277	3.006	2.277	2.277	3.006	2.277	3.006	95-100	1.456	317.4
105.0	3.097	2.277	2.915	2.277	2.368	3.006	2.277	3.006	100-105	1.424	318.9
110.0	3.006	2.368	2.915	2.368	2.368	2.915	2.368	2.915	105-110	1.380	320.2
115.0	2.915	2.368	2.824	2.368	2.459	2.915	2.368	2.824	110-115	1.328	321.6
120.0	2.915	2.368	2.824	2.368	2.459	2.824	2.368	2.824	115-120	1.269	322.8
125.0	2.824	2.368	2.824	2.368	2.459	2.824	2.368	2.824	120-125	1.207	324.0
130.0	2.824	2.459	2.824	2.459	2.550	2.733	2.459	2.733	125-130	1.143	325.2
135.0	2.824	2.459	2.824	2.459	2.642	2.824	2.550	2.733	130-135	1.071	326.3
140.0	2.824	2.550	2.824	2.642	2.824	2.915	2.642	2.824	135-140	1.004	327.3
145.0	3.006	2.733	3.006	2.824	3.006	3.188	2.824	2.915	140-145	0.952	328.2
150.0	3.188	3.006	3.188	3.188	3.370	3.553	3.097	3.279	145-150	0.914	329.1
155.0	3.553	3.462	3.553	3.644	3.735	3.917	3.462	3.553	150-155	0.875	330.0
160.0	3.917	3.826	3.826	3.917	4.099	4.190	3.826	3.917	155-160	0.797	330.8
165.0	4.190	4.099	4.099	4.008	4.190	4.190	4.008	4.099	160-165	0.665	331.5
170.0	4.282	4.190	4.190	4.008	4.190	4.099	3.917	4.008	165-170	0.486	332.0
175.0	4.282	4.099	4.099	3.826	4.190	3.917	3.917	3.917	170-175	0.288	332.2
180.0	4.099	3.917	4.008	3.826	4.099	4.008	3.917	3.826	175-180	0.094	332.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:LSG-1600
Temperature:21DEG
Operators:FATMA KARA
Test Date:03-22-2014

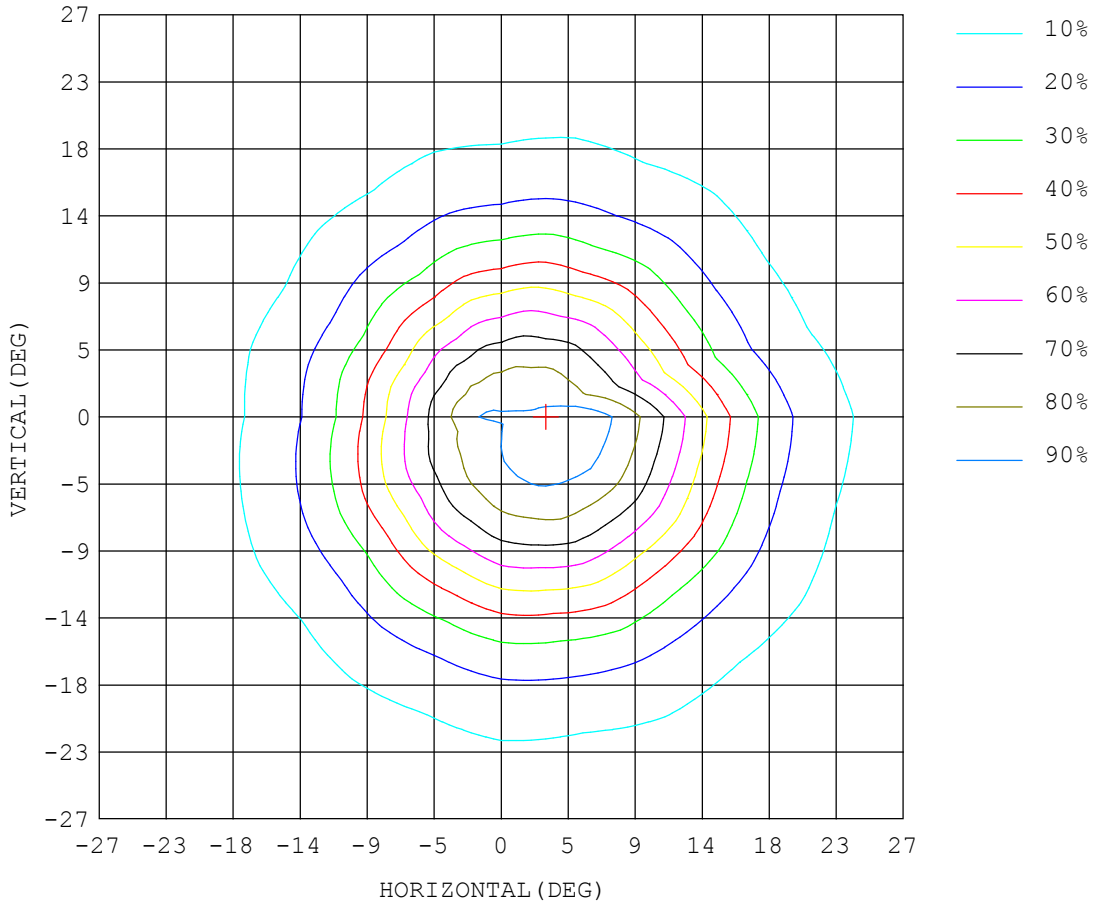
Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:55%
Test Distance:9.545 m
Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345

UNIT: cd



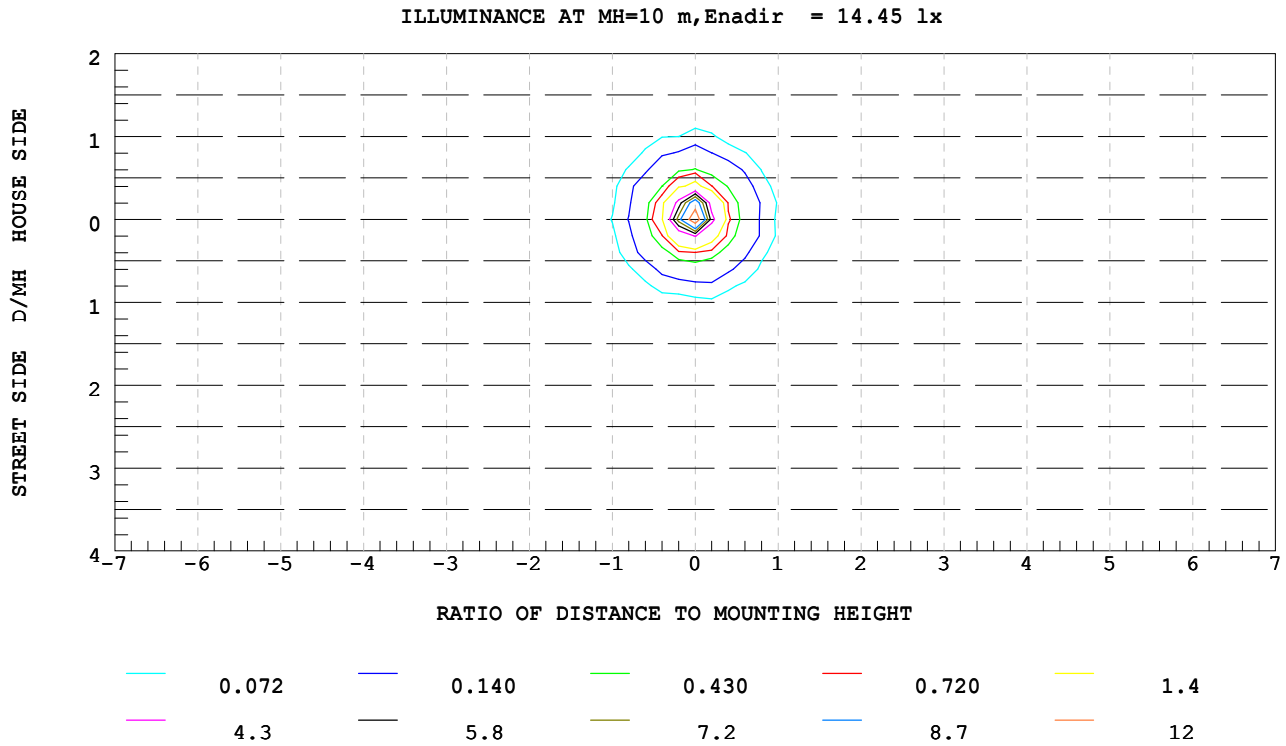
Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

ISOLUX DIAGRAM

Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345



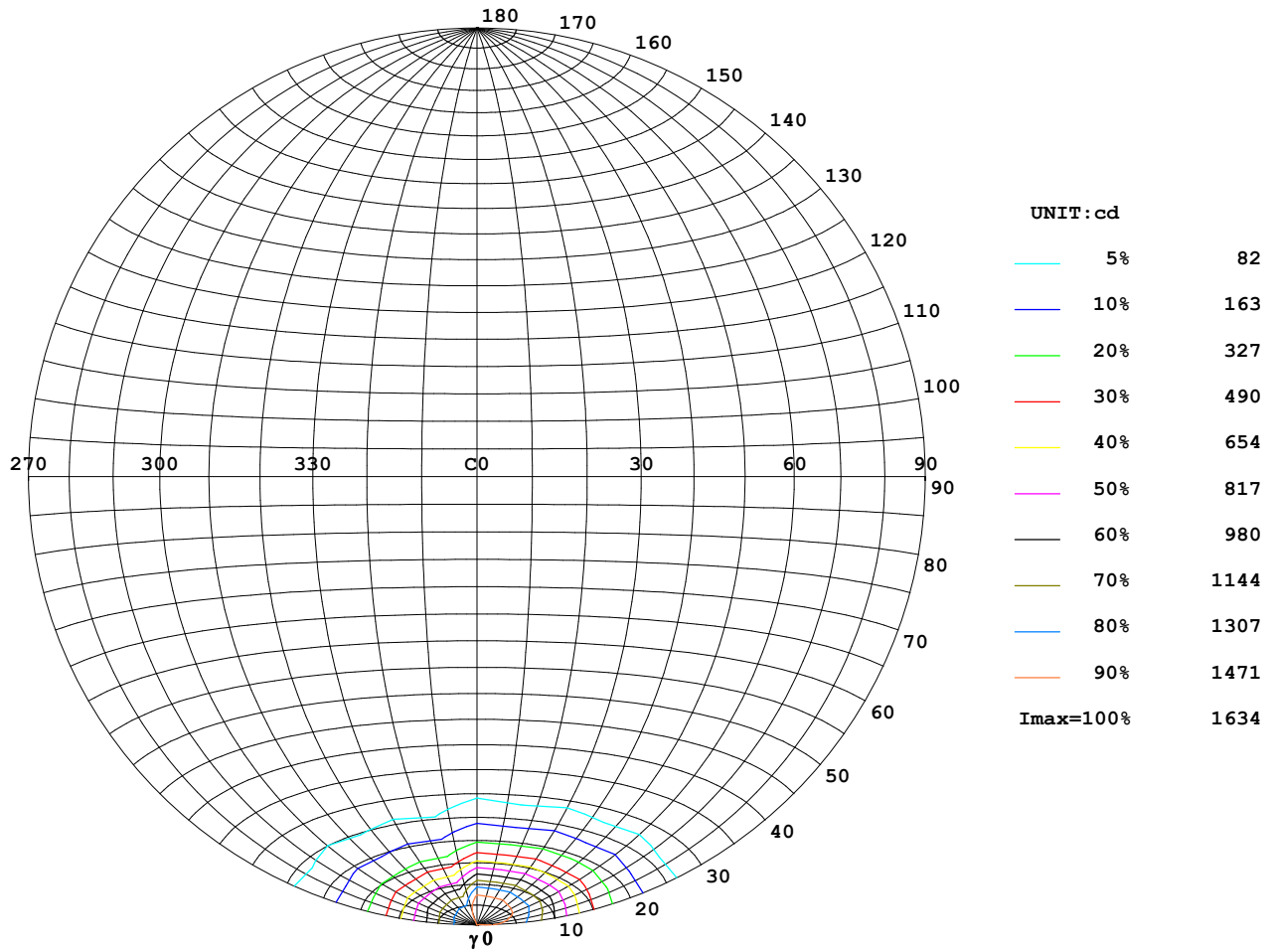
Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345



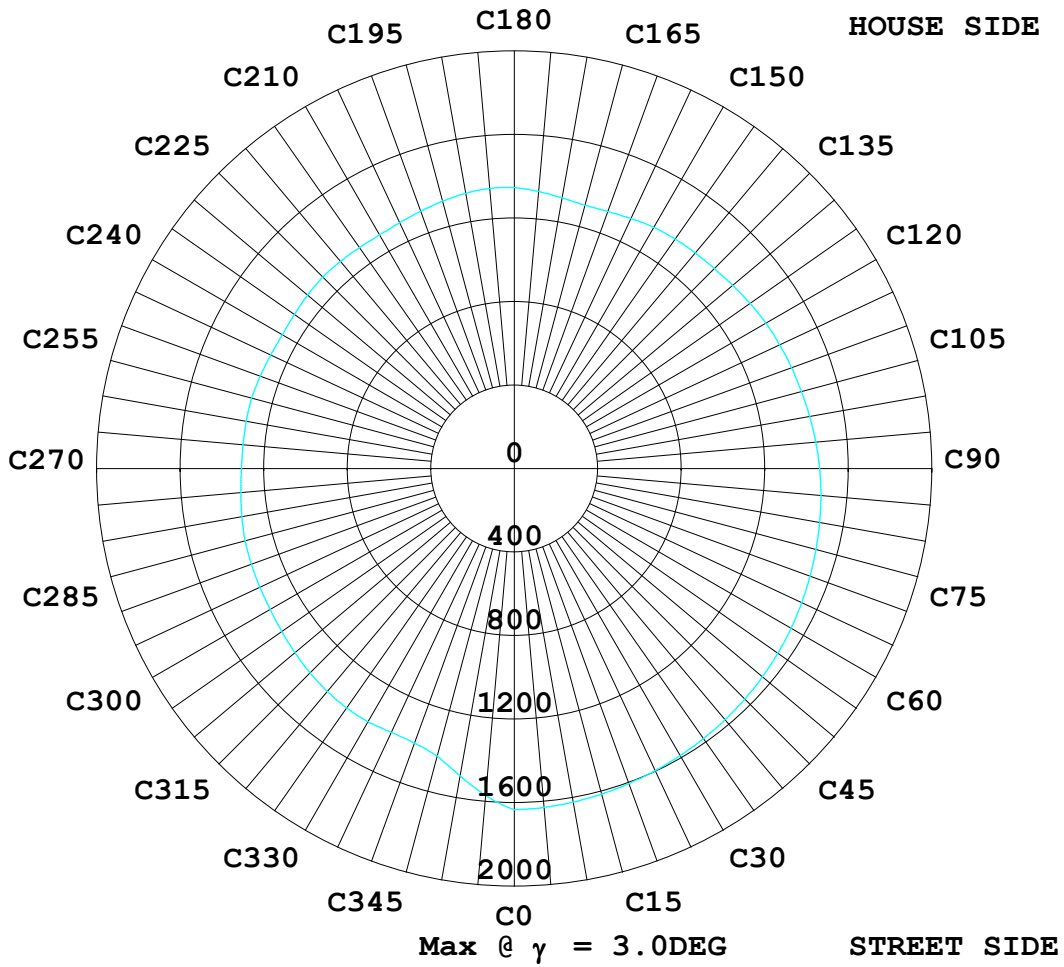
Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

ISOCANDELA DIAGRAM

Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345



Test System: LSG-1600
 Temperature: 21DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1567	1544	1512	1497	1471	1462	1445	1443	1435	1433	1432	1431	1567	1544	1512
5.0	1602	1582	1562	1524	1489	1436	1393	1328	1285	1221	1195	1146	1132	1120	1084
10.0	1243	1220	1215	1155	1118	1031	978	881	829	743	714	650	583	582	548
15.0	691	674	676	628	604	536	500	432	400	343	324	289	244	245	228
20.0	302	293	298	270	258	228	218	178	169	138	138	118	108	113	104
25.0	133	122	131	114	116	99.2	99.3	81.9	81.3	68.2	72.1	62.2	63.0	69.4	63.5
30.0	75.6	67.4	71.5	62.4	65.4	55.6	58.0	49.6	52.3	44.3	46.9	39.8	42.0	47.3	42.4
35.0	50.4	44.1	47.1	39.9	43.4	37.0	39.0	33.3	36.8	30.9	32.8	27.7	29.0	33.2	29.4
40.0	35.3	30.8	32.8	27.6	30.6	25.5	27.9	23.5	25.8	22.2	24.2	20.3	21.1	24.5	21.5
45.0	26.1	22.5	24.6	20.4	22.7	18.9	21.1	17.6	19.6	16.5	18.7	15.4	15.7	18.4	16.0
50.0	19.5	16.4	18.8	15.3	17.4	14.2	16.3	13.3	15.3	12.5	14.5	11.9	11.8	14.2	11.8
55.0	14.8	12.3	14.4	12.0	13.5	10.8	12.6	10.1	11.9	9.65	11.4	9.29	9.29	11.2	9.20
60.0	11.6	9.56	11.4	9.20	10.7	8.56	10.1	8.01	9.65	7.65	9.20	7.28	7.28	9.01	7.19
65.0	9.29	7.47	9.20	7.28	8.74	6.74	8.29	6.37	7.83	6.01	7.47	5.73	5.73	7.19	5.55
70.0	7.47	5.83	7.28	5.73	7.01	5.28	6.65	5.01	6.37	4.64	6.01	4.55	4.55	5.83	4.28
75.0	6.01	4.55	6.01	4.55	5.73	4.19	5.37	3.91	5.10	3.64	4.91	3.55	3.37	4.73	3.37
80.0	4.73	3.64	4.73	3.27	4.55	3.37	4.37	3.00	4.09	2.91	3.91	2.73	2.64	3.82	2.64
85.0	3.82	2.82	3.82	2.64	3.73	2.73	3.64	2.55	3.55	2.45	3.46	2.36	2.45	3.37	2.36
90.0	3.46	2.45	3.37	2.45	3.37	2.45	3.27	2.27	3.27	2.27	3.27	2.27	2.36	3.18	2.27
95.0	3.18	2.36	3.18	2.36	3.18	2.36	3.18	2.36	3.09	2.27	3.09	2.27	2.27	3.00	2.27
100.0	3.09	2.36	3.09	2.27	3.09	2.36	3.00	2.27	3.00	2.27	3.00	2.36	2.27	3.00	2.27
105.0	3.09	2.36	3.00	2.27	3.00	2.27	2.91	2.27	2.91	2.27	2.91	2.27	2.36	3.00	2.36
110.0	3.00	2.36	3.00	2.36	2.91	2.36	2.91	2.36	2.91	2.36	2.91	2.36	2.36	2.91	2.36
115.0	2.91	2.36	2.91	2.36	2.91	2.36	2.82	2.36	2.91	2.36	2.82	2.36	2.45	2.91	2.36
120.0	2.91	2.36	2.82	2.36	2.82	2.36	2.82	2.36	2.82	2.36	2.82	2.36	2.45	2.91	2.36
125.0	2.82	2.45	2.82	2.36	2.91	2.36	2.82	2.36	2.82	2.36	2.82	2.36	2.45	2.82	2.45
130.0	2.82	2.45	2.82	2.45	2.82	2.45	2.82	2.45	2.82	2.45	2.82	2.45	2.55	2.82	2.45
135.0	2.82	2.55	2.82	2.45	2.82	2.55	2.82	2.45	2.82	2.45	2.82	2.55	2.64	2.91	2.55
140.0	2.82	2.55	2.91	2.55	2.82	2.55	2.82	2.55	2.91	2.64	2.91	2.64	2.82	3.00	2.73
145.0	3.00	2.73	3.00	2.73	3.00	2.82	3.00	2.82	3.00	2.82	3.09	2.91	3.00	3.27	3.00
150.0	3.18	3.00	3.18	3.00	3.18	3.00	3.18	3.00	3.27	3.18	3.37	3.18	3.37	3.55	3.37
155.0	3.55	3.37	3.55	3.46	3.55	3.46	3.55	3.46	3.73	3.64	3.73	3.64	3.73	3.91	3.82
160.0	3.91	3.82	3.91	3.82	4.00	3.82	3.82	3.73	4.00	3.91	4.09	3.91	4.09	4.19	4.09
165.0	4.19	4.09	4.19	4.09	4.19	4.09	4.09	4.00	4.19	4.00	4.19	4.00	4.19	4.28	4.09
170.0	4.28	4.19	4.28	4.19	4.28	4.09	4.19	4.09	4.09	4.00	4.09	3.91	4.19	4.19	4.00
175.0	4.28	4.09	4.19	4.09	4.09	4.00	4.09	4.00	4.00	3.82	3.91	3.82	4.19	4.00	3.91
180.0	4.09	4.09	4.00	3.91	4.00	3.91	4.00	3.82	3.82	3.82	3.82	3.82	4.09	4.00	4.00

Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
 Remarks: CG3 Z509 A 25D 12W 220VAC 50HZ IP65

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000382

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CG3 Z509 A 25D 12W 220VAC 50HZ IP65	TYPE: CROMA GARDENA	WEIGHT: ---
SPECIFICATION: CROMA GARDENA 3	DIMENSION: Ø152	SERIAL No.: 20585345

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1497	1471	1462	1445	1443	1435	1433	1432	1431
5.0	1102	1089	1132	1143	1199	1227	1288	1314	1355
10.0	577	572	630	649	722	759	845	882	952
15.0	247	246	276	287	332	356	415	437	483
20.0	115	110	127	125	148	151	181	179	207
25.0	70.6	65.3	75.8	71.7	81.7	78.5	90.4	85.7	97.2
30.0	47.6	44.3	50.9	47.6	53.3	50.8	58.8	54.2	61.0
35.0	33.6	30.4	35.3	32.5	36.8	35.1	41.5	37.1	41.3
40.0	25.1	22.0	25.9	23.3	27.2	24.7	29.2	25.5	29.2
45.0	18.7	16.1	19.3	16.8	20.7	18.1	21.7	19.0	22.1
50.0	14.1	11.9	14.5	12.6	15.8	13.3	16.3	14.0	16.6
55.0	11.1	9.20	11.3	9.65	12.2	10.1	12.5	10.4	12.6
60.0	8.92	7.19	9.11	7.47	9.65	7.83	10.0	8.10	10.0
65.0	7.19	5.64	7.37	5.92	7.65	6.10	8.01	6.37	8.10
70.0	5.83	4.46	5.92	4.64	6.28	4.91	6.46	5.01	6.65
75.0	4.55	3.46	4.82	3.64	5.01	3.82	5.19	3.91	5.28
80.0	3.73	2.64	3.91	2.82	4.00	3.00	4.28	3.09	4.28
85.0	3.37	2.45	3.46	2.36	3.46	2.45	3.55	2.55	3.55
90.0	3.18	2.36	3.18	2.36	3.27	2.36	3.27	2.36	3.27
95.0	3.00	2.27	3.09	2.27	3.09	2.27	3.09	2.27	3.09
100.0	3.00	2.27	3.00	2.27	3.00	2.27	3.00	2.27	3.00
105.0	3.00	2.36	3.00	2.27	2.91	2.36	3.00	2.36	2.91
110.0	2.91	2.36	2.91	2.36	2.91	2.36	2.91	2.27	2.91
115.0	2.91	2.36	2.91	2.36	2.82	2.36	2.82	2.36	2.82
120.0	2.82	2.36	2.82	2.36	2.82	2.36	2.82	2.36	2.82
125.0	2.82	2.45	2.82	2.36	2.82	2.45	2.82	2.45	2.82
130.0	2.73	2.45	2.82	2.45	2.82	2.45	2.73	2.45	2.73
135.0	2.82	2.55	2.82	2.55	2.82	2.45	2.73	2.45	2.82
140.0	2.91	2.64	2.91	2.64	2.82	2.64	2.82	2.55	2.82
145.0	3.18	2.91	3.09	2.82	3.00	2.73	2.91	2.73	2.91
150.0	3.55	3.37	3.37	3.09	3.27	3.09	3.27	3.00	3.18
155.0	3.91	3.73	3.73	3.46	3.64	3.46	3.55	3.37	3.37
160.0	4.19	4.00	4.00	3.82	3.91	3.82	3.91	3.73	3.73
165.0	4.19	4.00	4.09	4.00	4.09	4.00	4.09	3.91	3.91
170.0	4.09	4.00	4.09	3.91	4.00	3.91	4.00	3.91	4.00
175.0	3.91	3.82	4.00	3.91	3.82	3.73	3.91	3.82	3.91
180.0	4.00	3.91	3.91	3.91	3.91	3.82	3.82	3.82	3.82

Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 03-22-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 55%
 Test Distance: 9.545 m
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