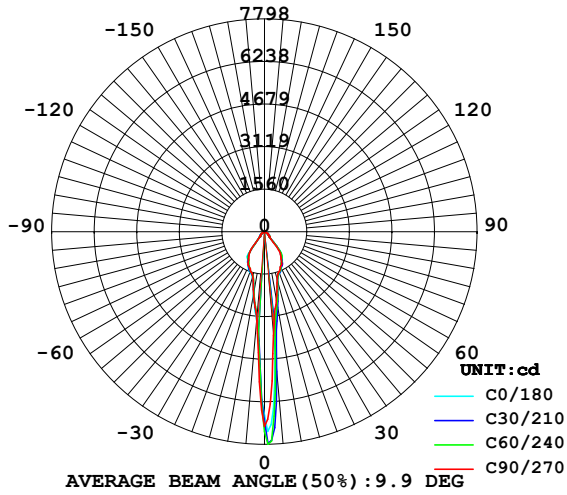


STREETLIGHT PHOTOMETRIC TEST REPORT

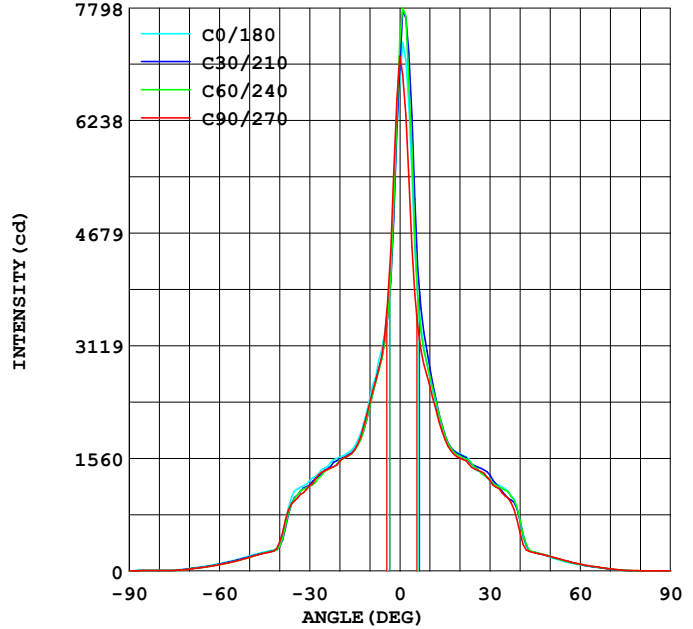
Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.: ---

TEST DATA:					
MODEL:	CDP5	Imax (cd) :	7814	η street_up (%) :	0.7
NOMINAL POWER (W) :	44	MAXIMUM (C, γ) :	225,1.0	η street_down (%) :	50.9
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	2449	η house_up (%) :	0.6
NOMINAL FLUX (lm) :	2449.5	EFFICIENCY (%) :	100.0	η house_down (%) :	47.8
TEST FLUX (lm) :	2449	η up (%) :	1.2		
LAMPS QUANTITY:	1	η down (%) :	98.8		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test: U:220.5V I:0.216A P:43.73W PF:0.917

Test System: LSG-1600
 Temperature: 23 DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
 Test Distance: 9.545 m
 Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40

ZONAL FLUX DIAGRAM

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.: ---

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	3307	3217	3266	4008	4445	5162	3834	3187	0- 5	111.0	111.0
10.0	2389	2248	2326	2547	2670	2791	2555	2306	5- 10	201.8	312.9
15.0	1728	1669	1679	1769	1841	1906	1824	1684	10- 15	235.3	548.3
20.0	1576	1535	1520	1564	1623	1605	1565	1529	15- 20	265.6	813.9
25.0	1425	1329	1387	1408	1409	1452	1413	1383	20- 25	306.7	1121
30.0	1249	1170	1176	1208	1247	1282	1253	1247	25- 30	329.6	1450
35.0	1108	1035	967.6	1007	1139	1138	1041	974.4	30- 35	327.7	1778
40.0	366.2	324.7	391.1	587.8	680.2	767.7	523.4	336.0	35- 40	253.4	2032
45.0	263.2	245.0	246.4	246.9	257.5	267.7	250.2	250.0	40- 45	110.3	2142
50.0	208.9	183.2	189.6	192.4	192.6	211.4	199.9	200.5	45- 50	89.05	2231
55.0	149.4	123.5	131.6	132.1	128.4	144.6	144.6	146.3	50- 55	69.68	2301
60.0	101.8	83.27	85.64	83.36	85.45	97.12	93.93	96.11	55- 60	49.80	2350
65.0	63.59	51.01	52.93	53.02	50.83	61.31	59.12	62.22	60- 65	33.70	2384
70.0	35.34	22.32	24.23	24.14	24.69	32.98	29.15	30.97	65- 70	19.90	2404
75.0	9.566	5.101	7.470	5.921	4.919	9.110	7.288	9.201	70- 75	7.423	2411
80.0	6.833	4.099	6.104	3.917	3.735	6.195	4.282	6.650	75- 80	3.040	2415
85.0	5.193	3.006	4.828	3.006	2.915	4.919	3.188	5.010	80- 85	2.415	2417
90.0	4.099	2.459	3.917	2.459	2.459	4.008	2.368	4.008	85- 90	1.900	2419
95.0	3.826	2.459	3.735	2.459	2.459	3.735	2.459	3.735	90- 95	1.726	2421
100.0	3.735	2.550	3.735	2.550	2.550	3.644	2.550	3.644	95-100	1.690	2422
105.0	3.644	2.733	3.553	2.642	2.733	3.644	2.642	3.553	100-105	1.673	2424
110.0	3.644	2.915	3.644	2.824	2.915	3.644	2.733	3.553	105-110	1.661	2426
115.0	3.826	3.097	3.735	3.006	3.006	3.644	2.915	3.644	110-115	1.665	2427
120.0	4.190	3.553	4.008	3.370	3.370	3.826	3.188	3.917	115-120	1.715	2429
125.0	4.646	4.099	4.555	3.917	3.826	4.190	3.735	4.373	120-125	1.823	2431
130.0	5.193	4.919	5.101	4.555	4.464	4.737	4.373	4.919	125-130	1.954	2433
135.0	5.921	5.557	5.739	5.284	5.101	5.375	5.010	5.557	130-135	2.073	2435
140.0	6.559	6.195	6.468	5.921	5.921	5.830	5.648	6.013	135-140	2.147	2437
145.0	7.379	7.106	7.197	6.650	6.650	6.468	6.468	6.741	140-145	2.164	2439
150.0	8.290	8.199	8.017	7.561	7.379	7.288	7.197	7.652	145-150	2.154	2441
155.0	9.384	9.475	9.201	8.746	8.564	8.381	8.381	8.837	150-155	2.121	2443
160.0	10.29	10.47	10.02	9.930	9.657	9.657	9.475	10.02	155-160	1.998	2445
165.0	11.02	11.02	10.75	10.75	10.65	10.56	10.29	10.65	160-165	1.716	2447
170.0	11.38	11.02	11.11	10.93	11.20	10.93	10.84	10.75	165-170	1.289	2448
175.0	11.20	10.65	11.11	10.75	11.29	10.75	10.84	10.38	170-175	0.776	2449
180.0	11.11	10.56	10.93	10.38	11.20	10.56	10.84	10.47	175-180	0.255	2449
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

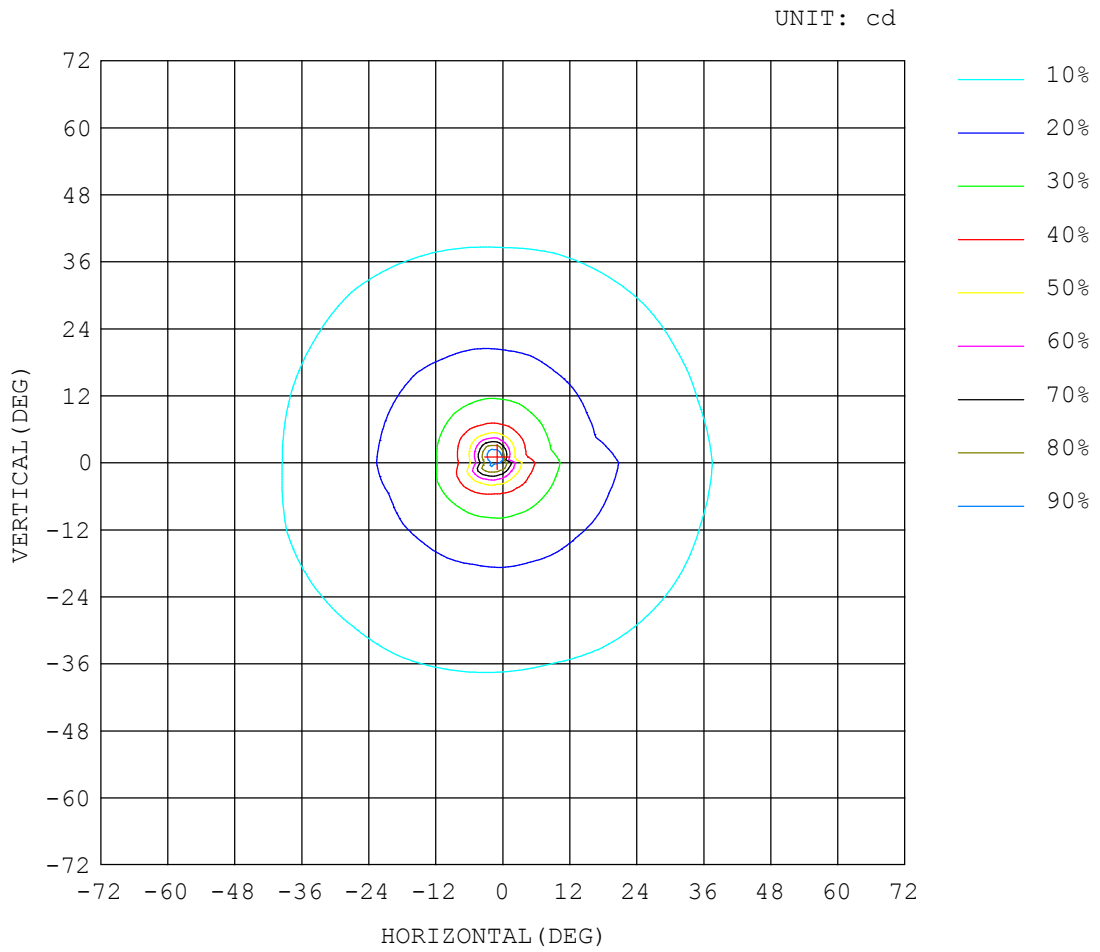
Test System: LSG-1600
 Temperature: 23DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
 Test Distance: 9.545 m
 Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40

ISOCANDELA DIAGRAM

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.: ---



Test System: LSG-1600
Temperature: 23 DEG
Operators: FATMA KARA
Test Date: 02-14-2015

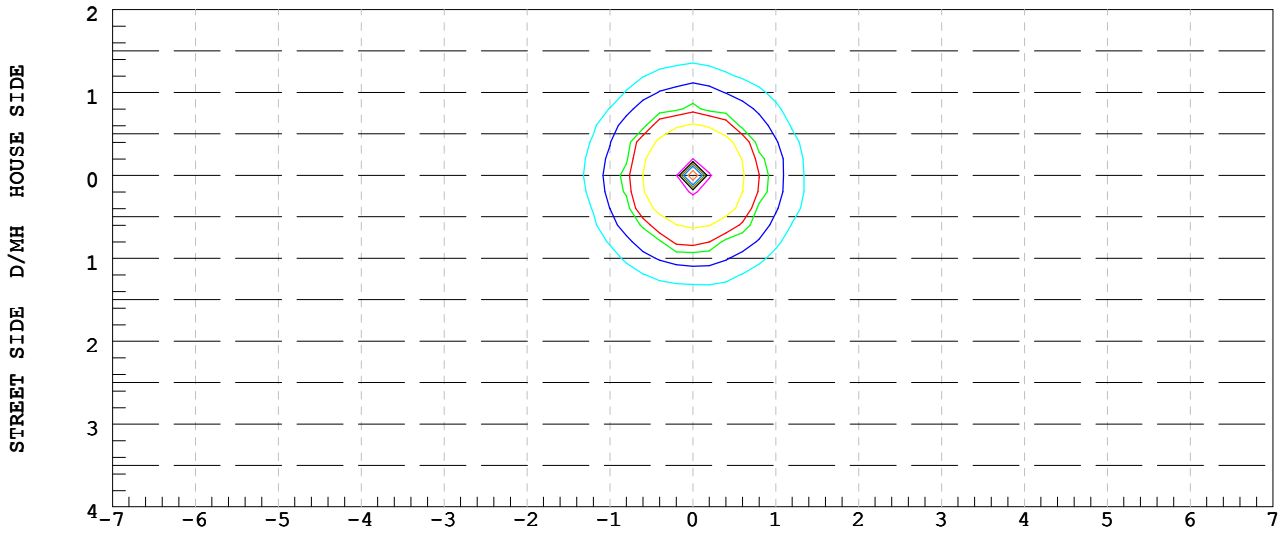
Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 50%
Test Distance: 9.545 m
Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40

ISOLUX DIAGRAM

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.:---

ILLUMINANCE AT MH=10 m, Enadir = 71.30 lx



RATIO OF DISTANCE TO MOUNTING HEIGHT

0.360	0.710	2.1	3.6	7.1
21	29	36	43	57

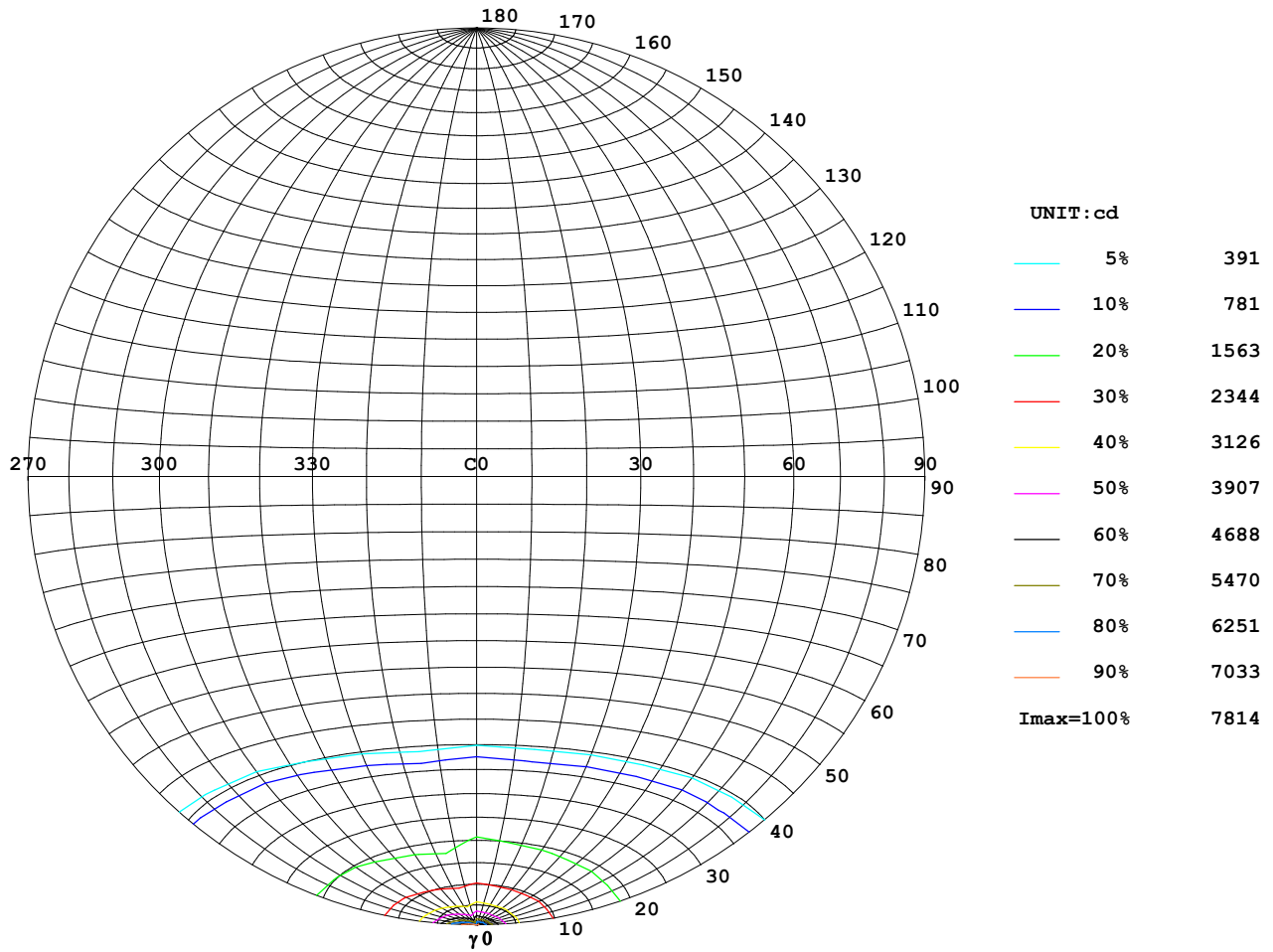
Test System: LSG-1600
 Temperature: 23DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
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ISOCANDELA DIAGRAM

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.: ---



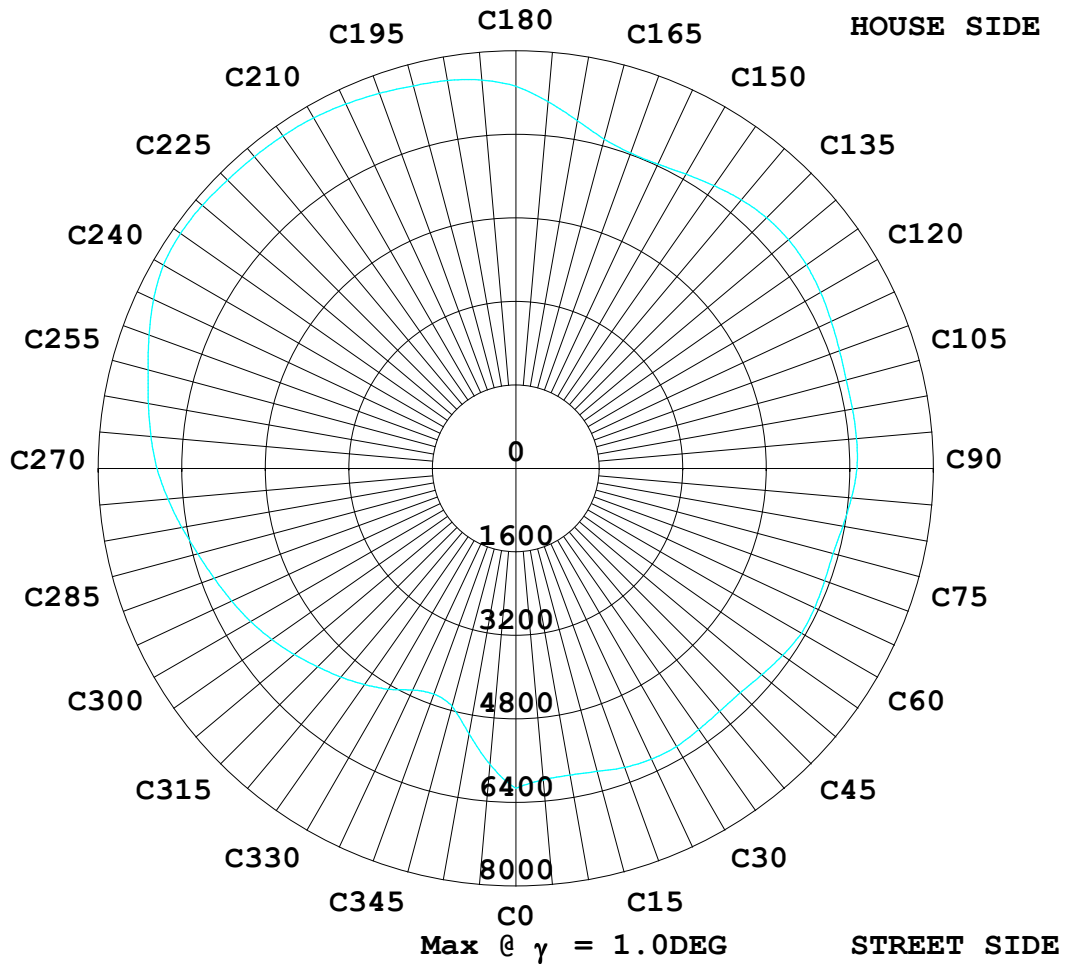
Test System: LSG-1600
 Temperature: 23DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
 Test Distance: 9.545 m
 Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40

ISOCANDELA DIAGRAM

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.:---



Test System: LSG-1600
 Temperature: 23DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
 Test Distance: 9.545 m
 Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.: ---

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	6726	6798	6955	6946	7340	7219	7130	6880	6306	6084	6109	5908	6726	6798	6955
5.0	3307	3216	3181	3217	3165	3226	3266	3368	3671	4008	4741	5303	4445	4957	5150
10.0	2389	2303	2275	2248	2274	2267	2326	2362	2463	2547	2675	2749	2670	2762	2813
15.0	1728	1698	1684	1669	1669	1666	1679	1692	1731	1769	1832	1885	1841	1880	1892
20.0	1576	1557	1548	1535	1534	1502	1520	1539	1554	1564	1580	1583	1623	1623	1613
25.0	1425	1406	1396	1329	1380	1380	1387	1331	1345	1408	1425	1427	1409	1468	1458
30.0	1249	1296	1191	1170	1174	1163	1176	1174	1190	1208	1293	1244	1247	1303	1329
35.0	1108	979	1016	1035	1005	945	968	1026	1085	1007	1010	1113	1139	1090	1055
40.0	366	331	331	325	334	335	391	433	549	588	733	834	680	716	696
45.0	263	246	251	245	248	236	246	245	256	247	259	258	258	262	253
50.0	209	197	198	183	188	184	190	180	192	192	206	201	193	208	201
55.0	149	142	142	124	132	125	132	120	131	132	144	135	128	146	141
60.0	102	90.4	93.3	83.2	88.2	79.2	85.6	79.8	88.1	83.3	92.9	89.1	85.4	93.4	89.6
65.0	63.5	58.9	57.2	51.0	53.3	50.2	52.9	48.2	53.5	53.0	59.4	54.7	50.8	60.2	55.9
70.0	35.3	26.0	28.6	22.3	25.1	20.3	24.2	21.1	27.3	24.1	31.2	29.3	24.6	29.8	27.1
75.0	9.56	6.46	8.29	5.10	7.65	4.82	7.47	4.55	7.37	5.92	9.93	7.74	4.91	9.20	6.19
80.0	6.83	4.37	6.55	4.09	6.19	3.91	6.10	3.82	6.01	3.91	6.10	3.82	3.73	6.10	3.82
85.0	5.19	3.18	4.91	3.00	4.82	3.00	4.82	3.00	4.82	3.00	4.91	3.00	2.91	4.82	3.00
90.0	4.09	2.45	4.00	2.45	3.91	2.45	3.91	2.45	4.00	2.45	4.00	2.45	2.45	4.00	2.36
95.0	3.82	2.55	3.73	2.45	3.82	2.45	3.73	2.55	3.73	2.45	3.82	2.45	2.45	3.82	2.45
100.0	3.73	2.55	3.73	2.55	3.64	2.55	3.73	2.55	3.64	2.55	3.64	2.55	2.55	3.73	2.55
105.0	3.64	2.73	3.64	2.73	3.64	2.73	3.55	2.73	3.64	2.64	3.64	2.64	2.73	3.64	2.64
110.0	3.64	2.82	3.64	2.91	3.64	2.82	3.64	2.82	3.64	2.82	3.64	2.82	2.91	3.64	2.73
115.0	3.82	3.09	3.73	3.09	3.82	3.09	3.73	3.09	3.73	3.00	3.64	2.91	3.00	3.64	2.91
120.0	4.19	3.55	4.09	3.55	4.09	3.46	4.00	3.46	4.00	3.37	3.91	3.18	3.37	3.82	3.27
125.0	4.64	4.19	4.64	4.09	4.55	4.09	4.55	4.00	4.37	3.91	4.28	3.73	3.82	4.28	3.73
130.0	5.19	4.82	5.28	4.91	5.19	4.73	5.10	4.64	4.91	4.55	4.91	4.37	4.46	4.82	4.28
135.0	5.92	5.55	5.92	5.55	5.83	5.46	5.73	5.37	5.64	5.28	5.46	5.01	5.10	5.37	5.01
140.0	6.55	6.37	6.55	6.19	6.46	6.28	6.46	6.19	6.28	5.92	6.19	5.73	5.92	6.01	5.64
145.0	7.37	7.19	7.28	7.10	7.28	7.01	7.19	6.92	6.92	6.65	6.74	6.55	6.65	6.65	6.28
150.0	8.29	8.29	8.38	8.19	8.19	8.01	8.01	7.92	7.83	7.56	7.56	7.28	7.37	7.37	7.19
155.0	9.38	9.56	9.65	9.47	9.47	9.20	9.20	9.20	9.01	8.74	8.65	8.38	8.56	8.38	8.29
160.0	10.2	10.4	10.5	10.4	10.3	10.0	10.0	10.2	10.2	9.93	9.83	9.47	9.65	9.65	9.56
165.0	11.0	11.0	11.1	11.0	11.0	10.6	10.7	10.9	10.9	10.7	10.6	10.2	10.6	10.5	10.4
170.0	11.3	11.1	11.2	11.0	10.9	10.7	11.1	11.0	11.1	10.9	10.9	10.6	11.2	10.9	10.9
175.0	11.2	10.8	10.7	10.6	10.6	10.5	11.1	10.8	10.9	10.7	10.7	10.6	11.2	10.9	10.7
180.0	11.1	10.7	10.5	10.5	10.4	10.5	10.9	10.5	10.4	10.3	10.4	10.5	11.2	10.6	10.5

Test System: LSG-1600
 Temperature: 23DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
 Test Distance: 9.545 m
 Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000638

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDP5 Z518 WW 80D 45W 220VAC IP40	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN P5	DIMENSION: 220X102mm	SERIAL No.: ---

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	6946	7340	7219	7130	6880	6306	6084	6109	5908
5.0	5162	4605	4254	3834	3593	3338	3187	3044	2977
10.0	2791	2687	2633	2555	2495	2383	2306	2205	2151
15.0	1906	1881	1864	1824	1781	1725	1684	1643	1624
20.0	1605	1589	1580	1565	1555	1538	1529	1513	1508
25.0	1452	1435	1430	1413	1377	1386	1383	1366	1309
30.0	1282	1269	1329	1253	1198	1180	1247	1200	1162
35.0	1138	1120	1034	1041	1093	1069	974	980	1017
40.0	768	702	637	523	489	383	336	296	300
45.0	268	259	260	250	262	251	250	240	249
50.0	211	204	211	200	208	196	201	188	191
55.0	145	139	154	145	145	136	146	135	133
60.0	97.1	91.9	100	93.9	98.2	90.8	96.1	87.0	90.3
65.0	61.3	56.4	65.0	59.1	62.7	55.8	62.2	54.4	56.3
70.0	32.9	29.2	33.9	29.1	34.3	28.2	30.9	24.4	27.2
75.0	9.11	6.28	10.3	7.28	9.65	5.92	9.20	5.64	8.01
80.0	6.19	4.00	6.46	4.28	6.65	4.28	6.65	4.28	6.37
85.0	4.91	3.00	5.01	3.18	5.10	3.09	5.01	3.00	4.82
90.0	4.00	2.36	4.00	2.36	4.00	2.36	4.00	2.36	3.91
95.0	3.73	2.45	3.82	2.45	3.82	2.45	3.73	2.45	3.73
100.0	3.64	2.45	3.64	2.55	3.64	2.55	3.64	2.55	3.64
105.0	3.64	2.64	3.64	2.64	3.55	2.64	3.55	2.64	3.55
110.0	3.64	2.73	3.55	2.73	3.55	2.73	3.55	2.73	3.55
115.0	3.64	2.91	3.64	2.91	3.64	2.91	3.64	3.00	3.73
120.0	3.82	3.18	3.82	3.18	3.91	3.27	3.91	3.37	4.00
125.0	4.19	3.64	4.19	3.73	4.28	3.82	4.37	3.91	4.46
130.0	4.73	4.28	4.73	4.37	4.82	4.46	4.91	4.64	5.01
135.0	5.37	4.91	5.28	5.01	5.37	5.10	5.55	5.19	5.64
140.0	5.83	5.55	5.92	5.64	6.01	5.64	6.01	5.83	6.28
145.0	6.46	6.28	6.65	6.46	6.65	6.37	6.74	6.65	6.92
150.0	7.28	7.19	7.37	7.19	7.37	7.37	7.65	7.65	7.92
155.0	8.38	8.29	8.56	8.38	8.47	8.56	8.83	9.01	9.20
160.0	9.65	9.65	9.74	9.47	9.47	9.65	10.0	10.0	10.1
165.0	10.5	10.4	10.5	10.2	10.2	10.2	10.6	10.6	10.7
170.0	10.9	10.9	10.9	10.8	10.5	10.4	10.7	10.6	10.7
175.0	10.7	10.6	10.7	10.8	10.5	10.3	10.3	10.3	10.5
180.0	10.5	10.4	10.6	10.8	10.6	10.3	10.4	10.4	10.5

Test System: LSG-1600
 Temperature: 23 DEG
 Operators: FATMA KARA
 Test Date: 02-14-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 50%
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 Remarks: CDP5 Z518 WW 80D 45W 220VAC IP40