

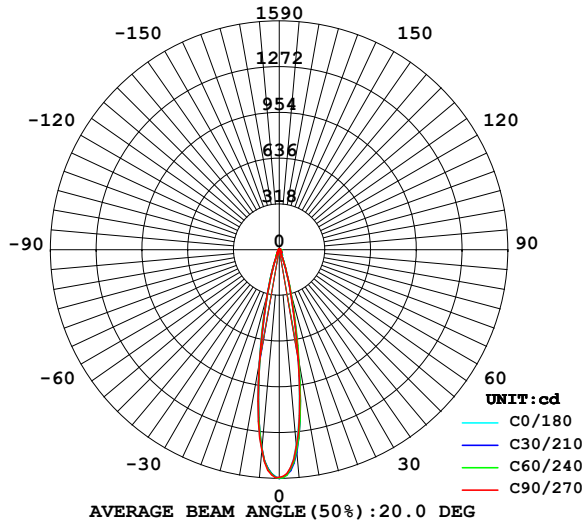
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000298

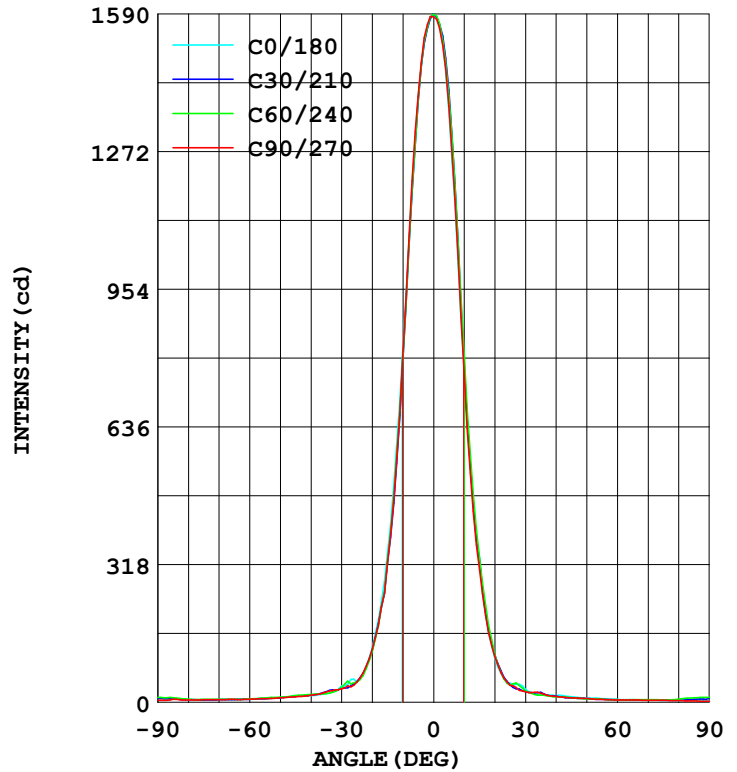
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169975

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE	1520	S/MH (C0/180)	0.35
NOMINAL POWER (W)	4	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.34
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	283.67	η UP (C0-180)	
NOMINAL FLUX (lm)	283.7	EFFICIENCY (lm/W)	DIRECT	η DN (C0-180)	
LAMPS QUANTITY	1	η up (%)	6.7	η UP (C180-360)	
TEST VOLTAGE (V)	220.6	η down (%)	93.3	η DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



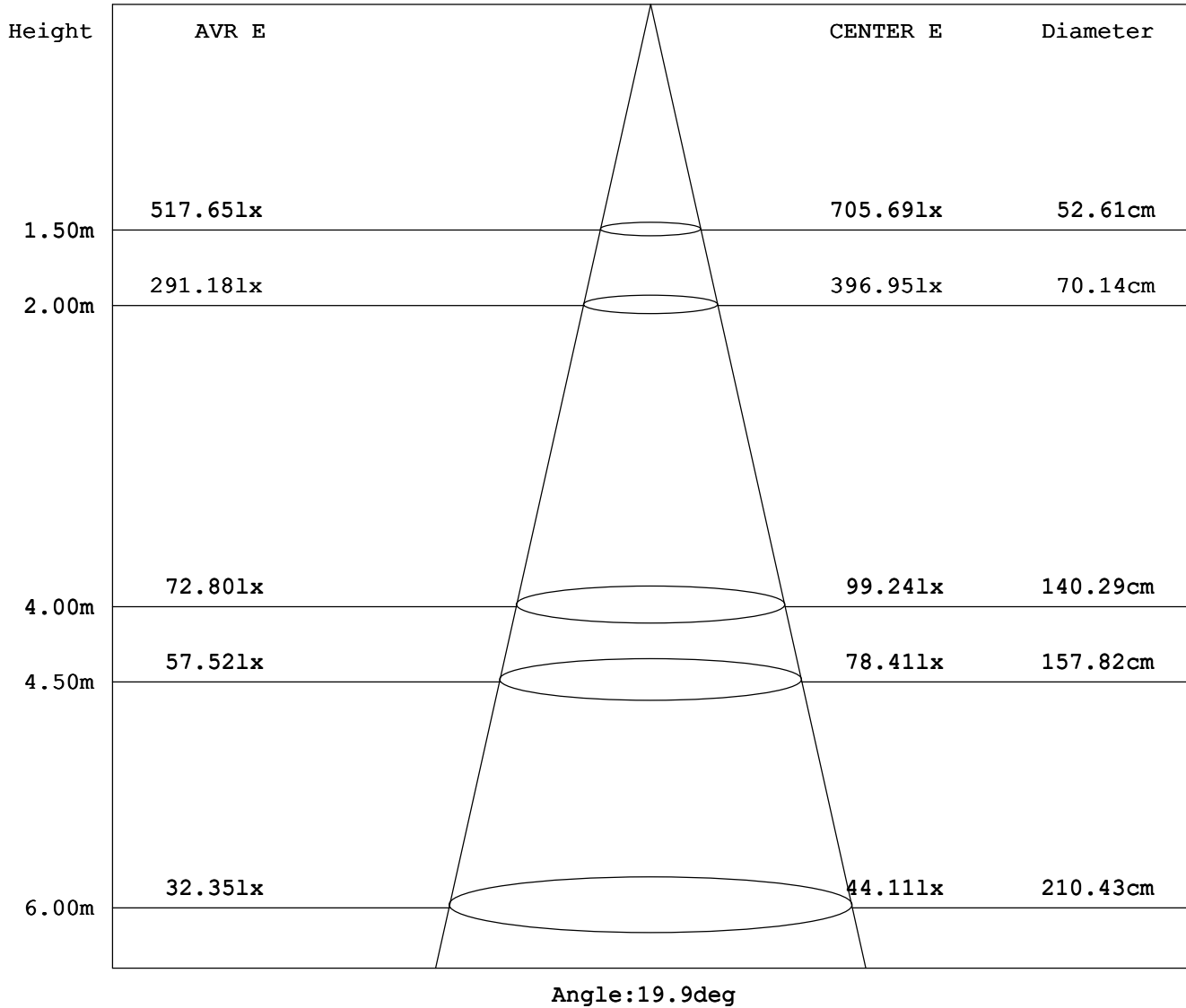
Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 02-27-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 57%
 Test Distance: 9.545 m
 Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20

AVERAGE AND CENTER E Figure

Report number: 0000298

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169975



Test System: LSG-1600
 Temperature: 21DEG
 Operators: FATMA KARA
 Test Date: 02-27-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 57%
 Test Distance: 9.545 m
 Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20

ZONAL FLUX DIAGRAM

Report number: 0000298

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169975

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1398	1372	1399	1439	1365	1424	1377	1326	0- 5	35.04	35.04
10.0	816.5	767.9	800.4	851.5	766.0	827.2	757.4	703.0	5- 10	72.22	107.2
15.0	342.2	334.0	319.8	349.6	333.6	348.3	305.3	279.8	10- 15	55.74	163.0
20.0	127.1	110.0	122.7	129.1	103.6	125.6	106.5	107.5	15- 20	29.61	192.6
25.0	46.82	40.81	47.01	47.10	44.91	47.37	39.72	45.37	20- 25	13.52	206.1
30.0	37.80	27.69	31.34	29.51	30.42	31.34	25.05	30.61	25- 30	9.412	215.5
35.0	20.49	17.40	24.05	19.67	17.21	19.22	21.41	22.86	30- 35	6.807	222.3
40.0	15.67	15.67	16.30	14.75	15.48	14.57	13.57	15.94	35- 40	5.648	228.0
45.0	14.12	13.57	12.66	11.38	13.21	13.21	10.38	13.30	40- 45	5.081	233.1
50.0	10.47	9.930	10.38	8.564	9.839	10.20	8.928	10.11	45- 50	4.357	237.4
55.0	8.837	8.472	8.746	6.833	8.746	9.201	7.015	8.564	50- 55	3.839	241.2
60.0	7.197	6.377	7.379	6.195	6.833	7.288	5.739	7.106	55- 60	3.371	244.6
65.0	6.741	5.648	6.741	5.284	6.104	7.288	5.557	6.559	60- 65	3.066	247.7
70.0	6.741	5.466	6.468	5.010	5.375	6.924	4.919	5.557	65- 70	3.059	250.7
75.0	5.557	5.830	6.013	4.737	4.828	5.466	4.555	5.101	70- 75	2.878	253.6
80.0	6.377	6.833	5.375	4.919	4.373	6.286	4.190	4.464	75- 80	2.889	256.5
85.0	8.381	11.02	6.924	7.288	4.828	8.472	3.006	5.193	80- 85	3.658	260.2
90.0	9.292	13.93	4.464	9.110	2.550	8.564	2.459	4.828	85- 90	4.326	264.5
95.0	3.006	4.190	2.915	6.377	2.186	5.284	2.186	3.188	90- 95	2.884	267.4
100.0	2.915	3.279	2.824	3.097	2.186	3.735	2.186	3.097	95-100	1.690	269.1
105.0	2.824	3.279	2.733	3.188	2.277	3.644	2.186	3.006	100-105	1.578	270.7
110.0	2.733	3.097	2.642	3.188	2.277	3.553	2.186	2.915	105-110	1.523	272.2
115.0	2.642	3.279	2.642	3.097	2.277	3.462	2.186	2.824	110-115	1.457	273.6
120.0	2.642	3.462	2.642	3.006	2.186	3.279	2.186	2.733	115-120	1.365	275.0
125.0	2.642	3.006	2.642	2.733	2.277	3.097	2.186	2.642	120-125	1.258	276.3
130.0	2.642	2.824	2.550	2.642	2.277	2.915	2.186	2.642	125-130	1.144	277.4
135.0	2.550	2.642	2.550	2.642	2.277	2.915	2.277	2.550	130-135	1.033	278.4
140.0	2.550	2.459	2.550	2.550	2.368	2.824	2.277	2.550	135-140	0.926	279.4
145.0	2.642	2.459	2.550	2.459	2.368	2.642	2.277	2.642	140-145	0.833	280.2
150.0	2.733	2.642	2.733	2.550	2.550	2.824	2.459	2.733	145-150	0.757	281.0
155.0	2.915	2.915	2.915	2.824	2.824	3.006	2.733	3.006	150-155	0.702	281.7
160.0	3.279	3.279	3.279	3.188	3.097	3.279	3.006	3.279	155-160	0.647	282.3
165.0	3.553	3.553	3.553	3.553	3.462	3.553	3.370	3.553	160-165	0.562	282.9
170.0	3.735	3.553	3.644	3.553	3.644	3.644	3.553	3.553	165-170	0.423	283.3
175.0	3.553	3.462	3.644	3.462	3.553	3.553	3.462	3.462	170-175	0.254	283.5
180.0	3.553	3.370	3.553	3.370	3.553	3.462	3.462	3.462	175-180	0.083	283.6
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 02-27-2014

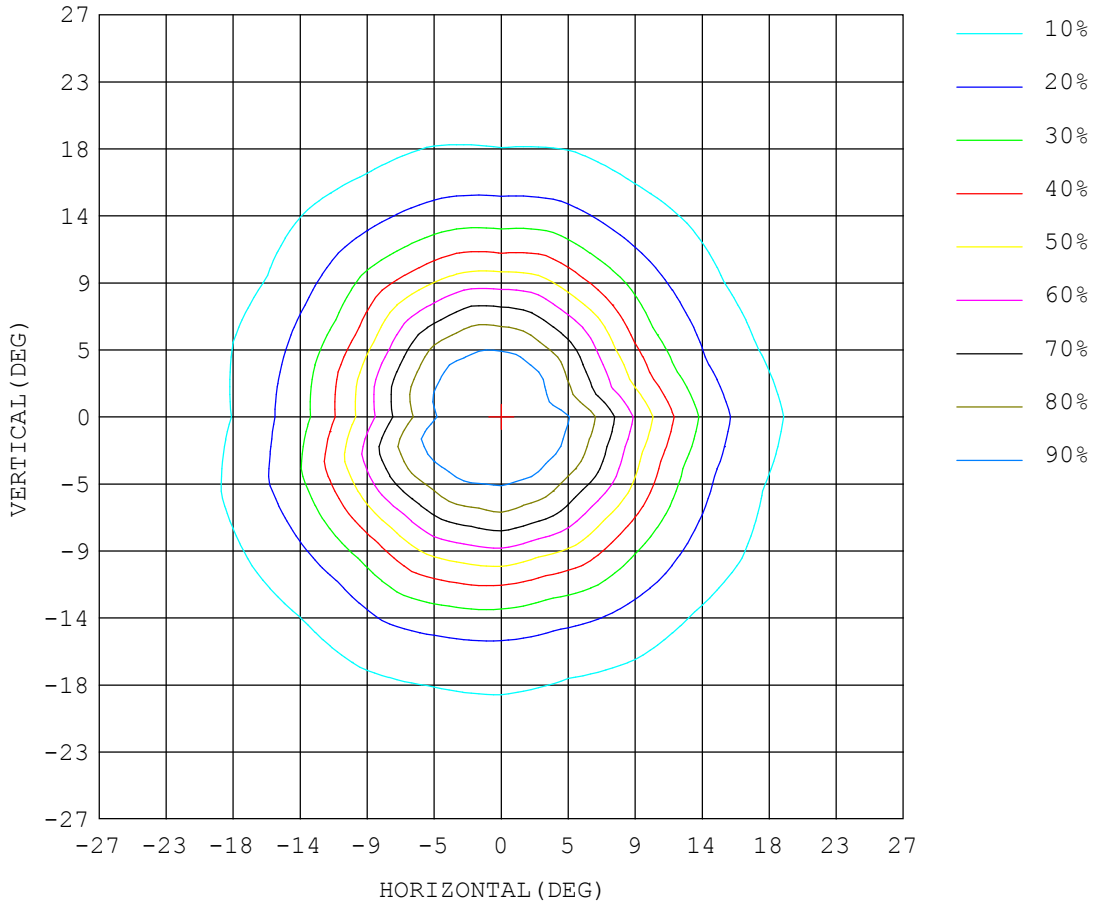
Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 57%
 Test Distance: 9.545 m
 Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20

ISOCANDELA DIAGRAM

Report number: 0000298

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169975

UNIT: cd



Test System: LSG-1600
Temperature: 21 DEG
Operators: FATMA KARA
Test Date: 02-27-2014

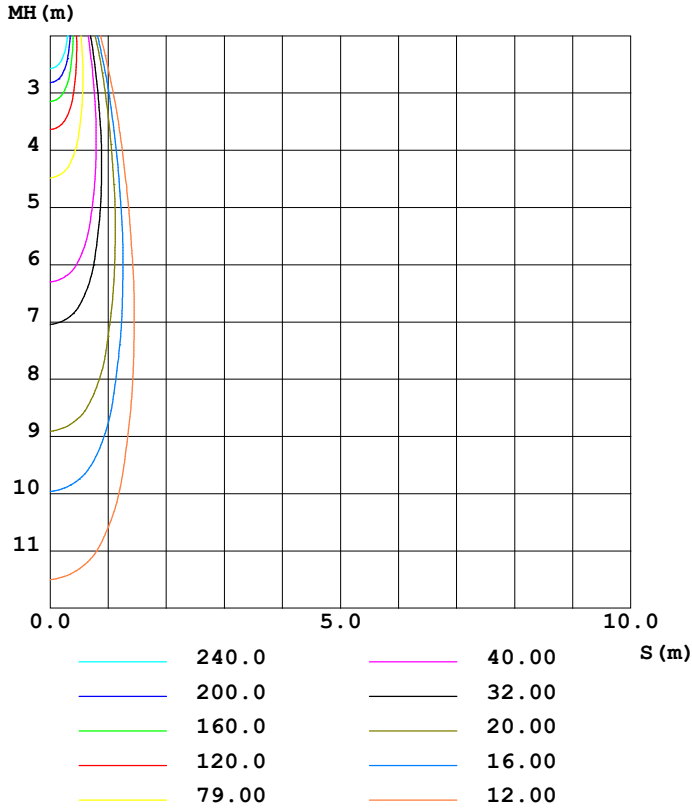
Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 57%
Test Distance: 9.545 m
Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20

ISOLUX DIAGRAM

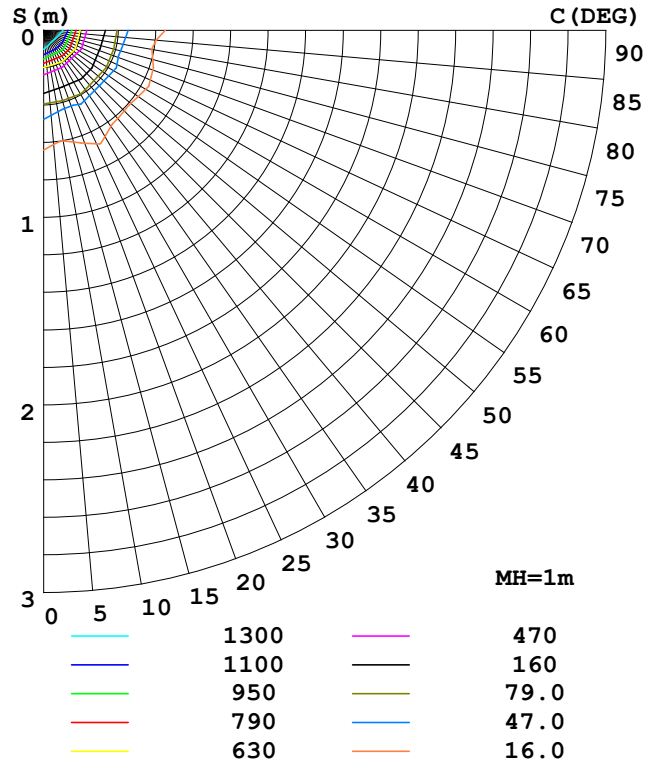
Report number: 0000298

MANUFACTURER: Fiberli	Address:PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE:CROMA DOWN	WEIGHT:
SPECIFICATION:CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.:8169975

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



PLANAR ISOLUX DIAGRAM(UNIT:lx)



Test System:LSG-1600
 Temperature:21DEG
 Operators:FATMA KARA
 Test Date:02-27-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity:57%
 Test Distance:9.545 m
 Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000298

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169975

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1588	1588	1590	1589	1589	1585	1583	1581	1578	1578	1573	1574	1588	1588	1590
5.0	1398	1383	1386	1372	1389	1384	1399	1402	1429	1439	1471	1477	1365	1415	1414
10.0	817	763	786	768	790	761	800	810	856	852	905	915	766	787	780
15.0	342	308	321	334	326	304	320	334	371	350	376	386	334	327	326
20.0	127	109	121	110	118	108	123	119	135	129	141	141	104	121	110
25.0	46.8	41.6	48.5	40.8	46.7	42.4	47.0	41.4	47.7	47.1	56.2	47.3	44.9	48.9	39.9
30.0	37.8	25.3	32.8	27.6	34.4	29.2	31.3	31.2	37.6	29.5	32.5	38.1	30.4	33.1	24.6
35.0	20.4	20.1	24.9	17.4	20.2	21.0	24.0	15.9	19.3	19.6	27.9	18.1	17.2	23.0	23.2
40.0	15.6	13.7	17.0	15.6	18.4	14.1	16.3	12.3	16.3	14.7	18.0	15.4	15.4	17.4	14.3
45.0	14.1	10.5	13.3	13.5	15.9	11.2	12.6	11.4	14.1	11.3	13.2	13.1	13.2	14.3	10.1
50.0	10.4	8.29	10.7	9.93	11.8	8.74	10.3	8.29	10.4	8.56	11.3	9.93	9.83	10.8	8.83
55.0	8.83	7.01	8.83	8.47	10.2	7.56	8.74	7.28	8.92	6.83	8.92	8.92	8.74	9.29	6.83
60.0	7.19	5.64	7.28	6.37	7.83	6.01	7.37	5.73	7.10	6.19	7.56	6.74	6.83	7.47	6.10
65.0	6.74	5.10	6.65	5.64	6.83	5.55	6.74	5.92	6.92	5.28	6.92	5.92	6.10	7.10	5.64
70.0	6.74	4.46	6.10	5.46	6.83	5.28	6.46	5.73	7.19	5.01	6.28	5.37	5.37	6.28	5.46
75.0	5.55	4.09	5.83	5.83	6.92	5.37	6.01	5.19	6.01	4.73	5.92	5.10	4.82	5.92	4.91
80.0	6.37	3.82	6.01	6.83	7.19	5.64	5.37	7.10	7.65	4.91	6.01	4.55	4.37	5.92	5.01
85.0	8.38	3.91	8.56	11.0	10.6	6.46	6.92	10.8	13.5	7.28	7.74	6.10	4.82	9.01	7.19
90.0	9.29	5.73	8.83	13.9	11.4	7.19	4.46	7.92	12.6	9.11	11.3	7.10	2.55	3.64	9.65
95.0	3.00	2.64	3.82	4.19	4.55	2.55	2.91	2.55	6.55	6.37	6.92	4.91	2.18	3.09	3.64
100.0	2.91	2.55	3.64	3.27	4.00	2.64	2.82	2.36	4.00	3.09	3.82	2.64	2.18	3.09	2.91
105.0	2.82	2.45	3.55	3.27	3.64	2.45	2.73	2.36	3.73	3.18	3.73	2.64	2.27	3.00	2.82
110.0	2.73	2.55	3.46	3.09	3.55	2.64	2.64	2.36	3.73	3.18	3.73	2.64	2.27	2.91	2.91
115.0	2.64	2.64	3.27	3.27	3.73	2.55	2.64	2.45	3.46	3.09	4.00	2.64	2.27	2.82	2.73
120.0	2.64	2.55	3.18	3.46	3.64	2.64	2.64	2.36	3.18	3.00	3.37	2.64	2.18	2.73	2.45
125.0	2.64	2.55	3.18	3.00	3.46	2.55	2.64	2.27	3.09	2.73	3.18	2.55	2.27	2.64	2.45
130.0	2.64	2.45	2.91	2.82	3.27	2.45	2.55	2.27	2.91	2.64	3.00	2.55	2.27	2.64	2.36
135.0	2.55	2.27	2.73	2.64	3.00	2.18	2.55	2.27	2.73	2.64	3.00	2.27	2.27	2.55	2.36
140.0	2.55	2.27	2.64	2.45	2.73	2.27	2.55	2.27	2.64	2.55	2.91	2.27	2.36	2.55	2.36
145.0	2.64	2.45	2.64	2.45	2.73	2.36	2.55	2.36	2.64	2.45	2.73	2.36	2.36	2.55	2.36
150.0	2.73	2.55	2.82	2.64	2.82	2.45	2.73	2.55	2.73	2.55	2.73	2.45	2.55	2.64	2.55
155.0	2.91	2.82	3.00	2.91	3.09	2.82	2.91	2.73	3.00	2.82	3.00	2.73	2.82	2.91	2.82
160.0	3.27	3.18	3.37	3.27	3.46	3.09	3.27	3.09	3.37	3.18	3.37	3.09	3.09	3.18	3.18
165.0	3.55	3.46	3.64	3.55	3.64	3.46	3.55	3.46	3.64	3.55	3.55	3.37	3.46	3.55	3.46
170.0	3.73	3.55	3.64	3.55	3.73	3.55	3.64	3.55	3.64	3.55	3.64	3.55	3.64	3.64	3.46
175.0	3.55	3.55	3.55	3.46	3.55	3.46	3.64	3.55	3.55	3.46	3.55	3.46	3.55	3.55	3.37
180.0	3.55	3.46	3.46	3.37	3.46	3.37	3.55	3.46	3.46	3.37	3.46	3.46	3.55	3.46	3.37

Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 02-27-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 57%
 Test Distance: 9.545 m
 Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000298

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169975

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1589	1589	1585	1583	1581	1578	1578	1573	1574
5.0	1424	1401	1402	1377	1368	1334	1326	1281	1276
10.0	827	805	794	757	770	724	703	662	677
15.0	348	333	328	305	319	296	280	259	274
20.0	126	112	121	107	112	101	108	90.1	95.2
25.0	47.3	39.7	45.1	39.7	51.3	46.6	45.3	36.3	50.0
30.0	31.3	26.8	30.8	25.0	29.9	27.2	30.6	24.8	29.7
35.0	19.2	16.3	21.3	21.4	19.0	16.3	22.8	19.8	18.4
40.0	14.5	13.1	16.3	13.5	16.6	13.9	15.9	12.6	15.3
45.0	13.2	10.3	12.9	10.3	14.7	12.2	13.3	10.2	12.9
50.0	10.2	8.10	10.0	8.92	11.2	9.38	10.1	7.74	9.83
55.0	9.20	7.56	8.83	7.01	9.65	7.83	8.56	6.83	8.29
60.0	7.28	5.92	7.47	5.73	7.65	6.10	7.10	5.46	6.92
65.0	7.28	6.10	6.74	5.55	6.92	5.46	6.55	5.10	6.46
70.0	6.92	6.37	6.19	4.91	6.55	5.37	5.55	4.37	6.01
75.0	5.46	5.37	5.73	4.55	6.01	5.01	5.10	3.64	4.91
80.0	6.28	7.65	5.64	4.19	5.19	5.01	4.46	3.73	5.37
85.0	8.47	10.5	7.74	3.00	4.00	8.38	5.19	4.19	6.37
90.0	8.56	11.2	10.8	2.45	3.46	3.73	4.82	6.10	3.91
95.0	5.28	4.28	3.46	2.18	3.00	2.73	3.18	2.55	3.18
100.0	3.73	3.00	3.27	2.18	2.91	2.64	3.09	2.45	3.00
105.0	3.64	2.91	3.18	2.18	2.73	2.45	3.00	2.45	2.91
110.0	3.55	2.82	3.09	2.18	2.73	2.45	2.91	2.45	2.82
115.0	3.46	2.91	2.91	2.18	2.64	2.27	2.82	2.45	2.73
120.0	3.27	2.73	2.91	2.18	2.64	2.36	2.73	2.36	2.64
125.0	3.09	2.64	2.82	2.18	2.55	2.36	2.64	2.27	2.55
130.0	2.91	2.64	2.73	2.18	2.55	2.27	2.64	2.27	2.55
135.0	2.91	2.64	2.55	2.27	2.55	2.27	2.55	2.27	2.55
140.0	2.82	2.55	2.55	2.27	2.55	2.27	2.55	2.27	2.55
145.0	2.64	2.45	2.55	2.27	2.55	2.36	2.64	2.36	2.55
150.0	2.82	2.55	2.64	2.45	2.64	2.55	2.73	2.55	2.73
155.0	3.00	2.82	2.91	2.73	2.91	2.82	3.00	2.82	2.91
160.0	3.27	3.09	3.18	3.00	3.27	3.18	3.27	3.18	3.27
165.0	3.55	3.46	3.55	3.37	3.46	3.46	3.55	3.46	3.55
170.0	3.64	3.55	3.55	3.55	3.55	3.46	3.55	3.46	3.55
175.0	3.55	3.46	3.55	3.46	3.46	3.37	3.46	3.37	3.55
180.0	3.46	3.46	3.55	3.46	3.55	3.37	3.46	3.46	3.46

Test System: LSG-1600
 Temperature: 21 DEG
 Operators: FATMA KARA
 Test Date: 02-27-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 57%
 Test Distance: 9.545 m
 Remarks: CD1 Z503 WW 25D 4W 220VAC 50HZ IP20