

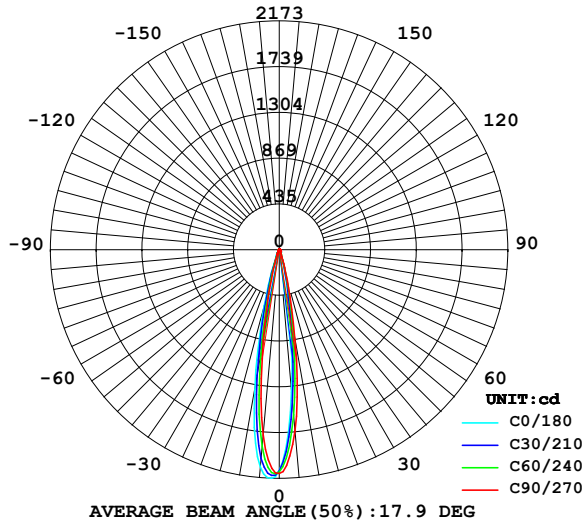
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000297

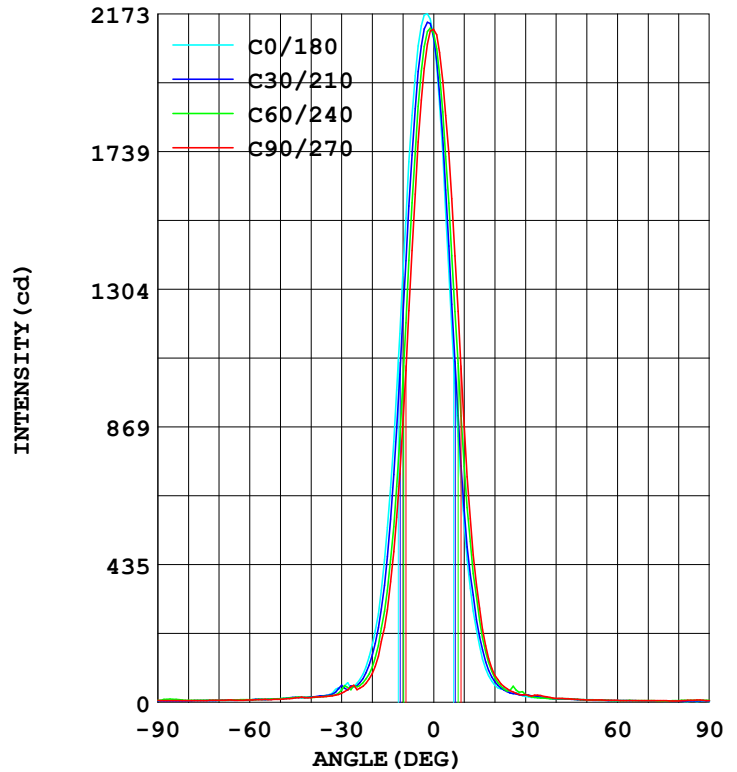
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169195

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	220VAC 50HZ	220VAC	S/MH (C0/180)	0.37
NOMINAL POWER (W)	4	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.31
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	304.80	$\eta$ UP (C0-180)	
NOMINAL FLUX (lm)	304.8	EFFICIENCY (lm/W)	DIRECT	$\eta$ DN (C0-180)	
LAMPS QUANTITY	1	$\eta$ up (%)	6.5	$\eta$ UP (C180-360)	
TEST VOLTAGE (V)	220.4	$\eta$ down (%)	93.5	$\eta$ DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



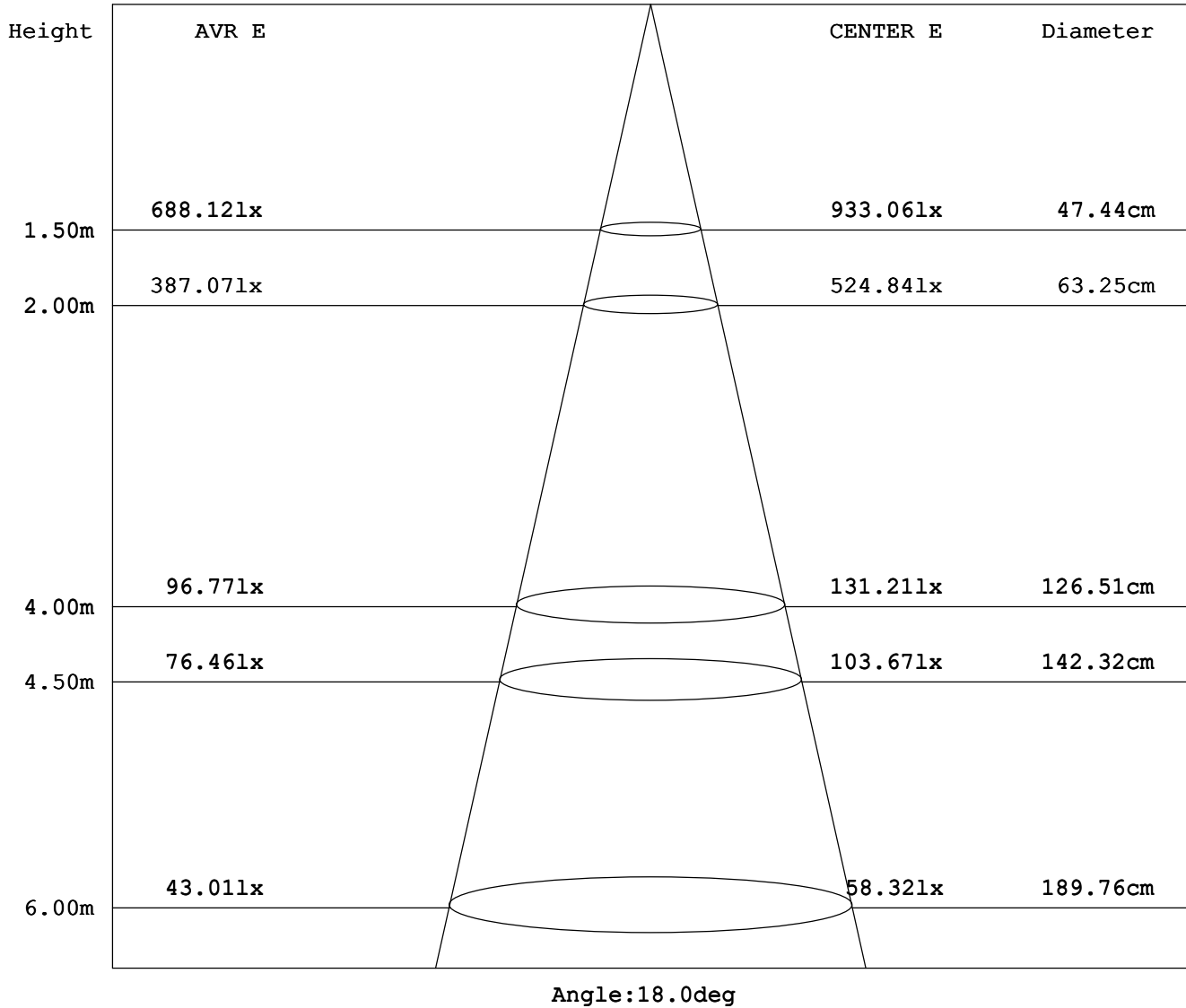
Test System: LSG-1600  
 Temperature: 21 DEG  
 Operators: FATMA KARA  
 Test Date: 02-27-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
 Humidity: 58%  
 Test Distance: 9.545 m  
 Remarks: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20

## AVERAGE AND CENTER E Figure

Report number: 0000297

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
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## ZONAL FLUX DIAGRAM

Report number: 0000297

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169195

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	2072	1916	1769	1624	1359	1535	1733	1925	0- 5	45.01	45.01
10.0	1348	1084	876.5	717.6	564.7	699.5	871.1	1105	5- 10	86.17	131.1
15.0	552.1	402.9	292.3	242.9	178.7	246.1	297.4	395.0	10- 15	59.69	190.8
20.0	182.3	119.0	91.10	69.87	54.84	80.99	86.73	127.0	15- 20	27.06	217.9
25.0	59.85	40.63	40.26	29.88	30.06	53.29	36.80	50.92	20- 25	11.97	229.9
30.0	38.90	39.17	28.51	20.04	18.76	27.42	24.96	32.16	25- 30	8.905	238.8
35.0	22.04	17.03	18.31	18.95	14.75	16.67	21.31	27.69	30- 35	6.452	245.2
40.0	16.03	16.39	15.12	11.38	11.75	14.57	12.66	16.94	35- 40	5.332	250.6
45.0	15.57	13.93	14.21	9.019	10.11	12.02	10.38	12.57	40- 45	4.917	255.5
50.0	11.84	9.839	9.930	8.199	8.290	9.201	7.835	11.66	45- 50	4.278	259.8
55.0	9.384	9.475	9.292	6.468	7.106	7.744	7.379	8.928	50- 55	3.777	263.5
60.0	7.926	7.379	7.288	5.830	5.648	6.741	6.104	7.470	55- 60	3.379	266.9
65.0	7.652	6.286	6.924	5.284	4.828	6.741	5.375	6.650	60- 65	3.105	270.0
70.0	6.650	5.830	6.286	4.919	4.555	6.468	5.284	6.013	65- 70	3.037	273.1
75.0	6.013	5.375	5.648	4.190	3.735	5.284	5.193	5.739	70- 75	2.858	275.9
80.0	4.828	4.919	5.284	3.735	3.097	5.466	4.919	5.284	75- 80	2.696	278.6
85.0	4.737	7.652	5.284	3.644	3.188	5.193	6.924	6.924	80- 85	3.015	281.6
90.0	5.739	6.833	6.559	4.737	2.915	5.193	5.648	7.744	85- 90	3.207	284.8
95.0	3.097	4.282	3.279	3.097	2.277	4.282	2.277	4.737	90- 95	2.447	287.3
100.0	2.915	3.279	2.824	3.279	2.277	4.099	2.277	3.917	95-100	1.795	289.1
105.0	2.824	3.188	2.824	3.279	2.277	3.917	2.186	3.735	100-105	1.707	290.8
110.0	2.824	3.188	2.824	3.279	2.368	3.826	2.277	3.826	105-110	1.654	292.4
115.0	2.733	3.188	2.733	3.097	2.368	3.917	2.277	3.735	110-115	1.584	294.0
120.0	2.733	3.188	2.733	3.006	2.277	3.917	2.277	3.644	115-120	1.504	295.5
125.0	2.733	3.097	2.642	2.915	2.368	3.553	2.277	3.279	120-125	1.387	296.9
130.0	2.642	3.097	2.642	2.824	2.368	3.279	2.277	2.824	125-130	1.243	298.2
135.0	2.642	2.733	2.642	2.824	2.368	3.279	2.277	2.733	130-135	1.109	299.3
140.0	2.642	2.459	2.550	2.824	2.459	3.188	2.368	2.642	135-140	0.982	300.3
145.0	2.642	2.550	2.642	2.733	2.550	3.188	2.368	2.642	140-145	0.877	301.1
150.0	2.733	2.550	2.824	2.824	2.733	3.188	2.550	2.733	145-150	0.785	301.9
155.0	2.915	2.915	3.006	3.188	3.097	3.279	2.824	3.006	150-155	0.728	302.6
160.0	3.279	3.462	3.462	3.644	3.462	3.644	3.188	3.462	155-160	0.685	303.3
165.0	3.735	3.826	3.826	3.917	3.826	3.917	3.644	3.826	160-165	0.605	303.9
170.0	3.917	3.917	3.917	3.826	3.826	3.917	3.826	3.917	165-170	0.458	304.4
175.0	3.917	3.735	3.826	3.644	3.735	3.644	3.735	3.644	170-175	0.271	304.7
180.0	3.735	3.553	3.735	3.462	3.735	3.553	3.644	3.553	175-180	0.087	304.8
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

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

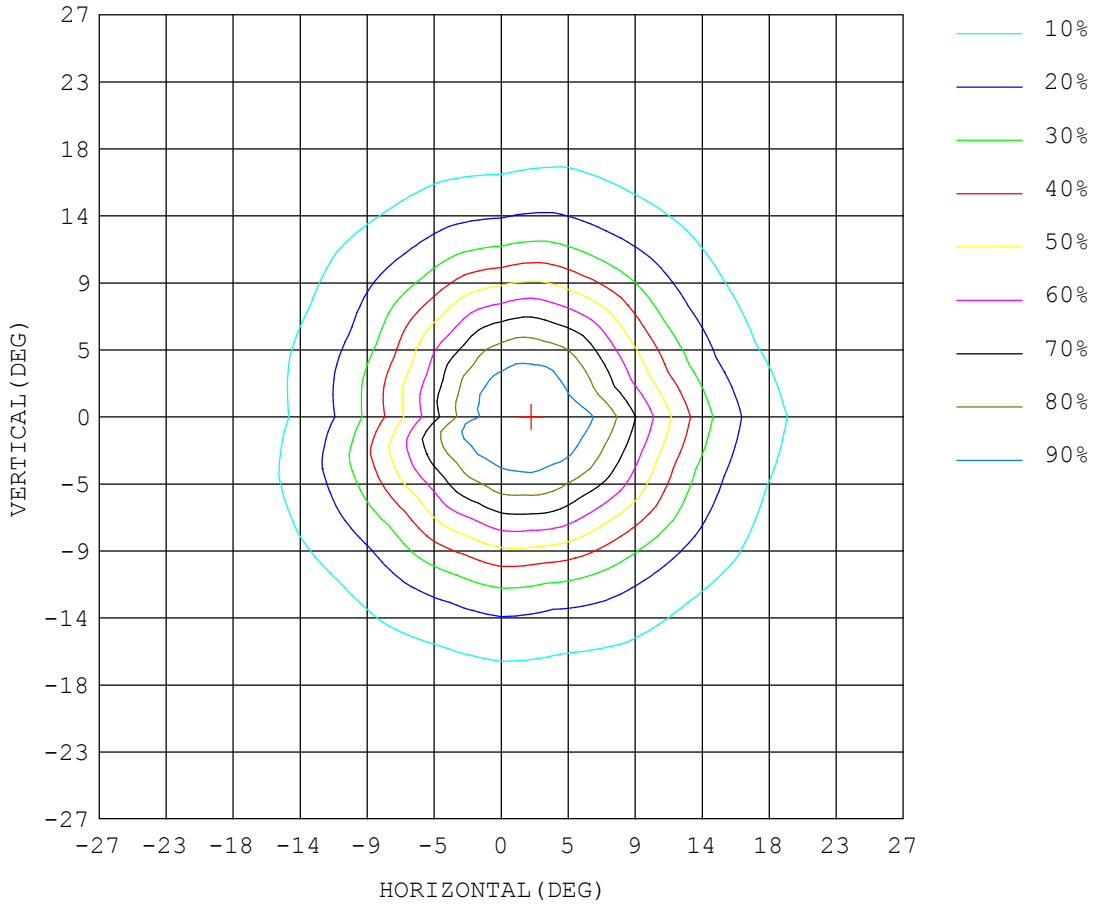
Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 58%  
 Test Distance: 9.545 m  
 Remarks: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20

## ISOCANDELA DIAGRAM

Report number: 0000297

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169195

UNIT: cd



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

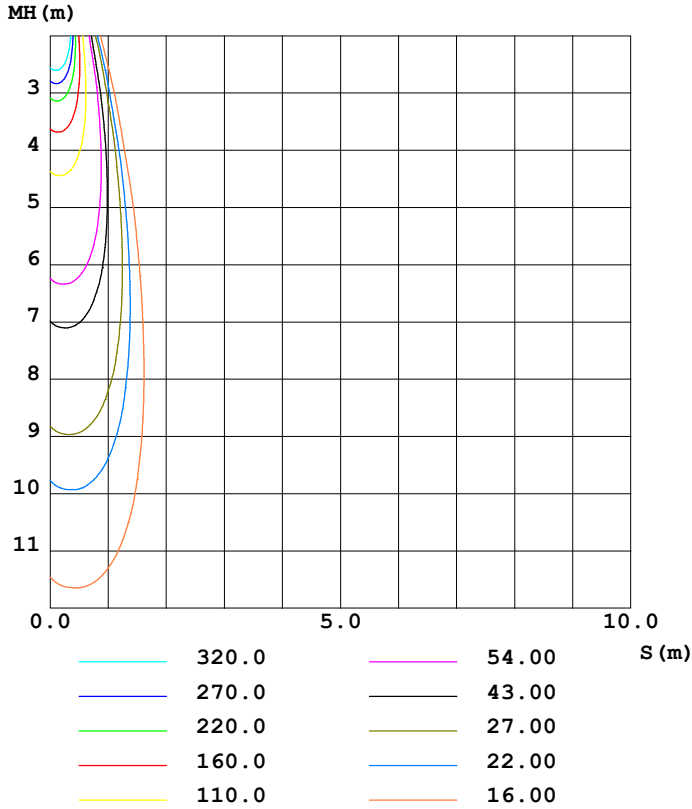
Test Set: 2.0 deg/s C-Gamma (TYPE C)  
Humidity: 58%  
Test Distance: 9.545 m  
Remarks: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20

## ISOLUX DIAGRAM

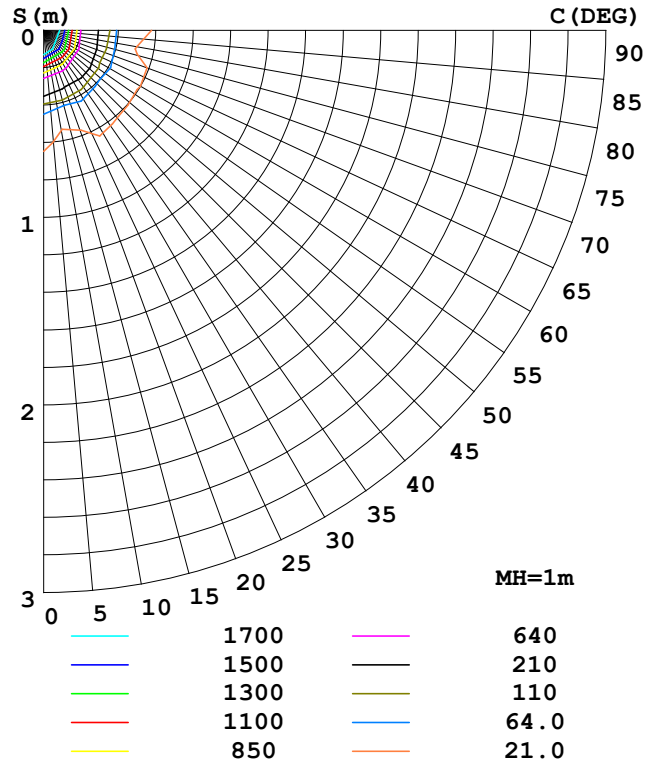
Report number: 0000297

MANUFACTURER: Fiberli	Address:PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE:CROMA DOWN	WEIGHT:
SPECIFICATION:CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.:8169195

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:58%  
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 Remarks: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000297

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169195

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2099	2106	2101	2112	2112	2122	2125	2132	2142	2148	2157	2159	2099	2106	2101
5.0	2072	2020	1991	1916	1881	1804	1769	1692	1677	1624	1642	1612	1359	1425	1440
10.0	1348	1244	1212	1084	1007	898	877	793	786	718	741	729	565	604	605
15.0	552	485	461	403	355	297	292	271	250	243	250	241	179	203	206
20.0	182	144	150	119	112	89.2	91.1	76.8	83.0	69.8	76.5	69.0	54.8	65.9	65.8
25.0	59.8	52.2	52.1	40.6	49.3	35.9	40.2	38.9	48.0	29.8	44.5	40.0	30.0	38.8	29.7
30.0	38.9	25.4	53.8	39.1	38.4	21.2	28.5	24.4	27.7	20.0	25.9	23.3	18.7	23.4	24.2
35.0	22.0	26.9	21.4	17.0	19.1	25.6	18.3	15.5	17.4	18.9	18.9	14.8	14.7	19.9	16.7
40.0	16.0	16.3	17.2	16.3	16.0	12.7	15.1	13.2	13.5	11.3	14.6	13.0	11.7	13.5	10.9
45.0	15.5	10.2	15.9	13.9	15.4	10.0	14.2	10.4	12.6	9.01	14.0	10.9	10.1	11.2	9.38
50.0	11.8	10.2	11.3	9.83	11.6	10.4	9.93	7.83	9.74	8.19	9.93	8.65	8.29	9.74	7.37
55.0	9.38	7.56	9.01	9.47	9.93	7.01	9.29	7.28	8.83	6.46	8.74	7.65	7.10	7.92	7.01
60.0	7.92	6.37	8.01	7.37	8.38	6.10	7.28	5.64	6.92	5.83	7.10	6.01	5.64	6.83	5.37
65.0	7.65	5.73	6.74	6.28	7.56	6.01	6.92	6.19	7.28	5.28	6.37	5.46	4.82	6.37	5.46
70.0	6.65	5.10	6.10	5.83	6.83	5.55	6.28	6.46	6.46	4.91	5.83	5.19	4.55	5.55	4.37
75.0	6.01	4.55	5.55	5.37	7.01	5.46	5.64	4.91	5.46	4.19	5.46	4.46	3.73	5.10	4.09
80.0	4.82	3.55	4.64	4.91	6.28	5.64	5.28	7.10	8.29	3.73	5.28	3.82	3.09	4.82	4.00
85.0	4.73	3.55	4.37	7.65	10.0	6.65	5.28	8.38	9.56	3.64	5.73	3.55	3.18	5.01	4.37
90.0	5.73	4.73	4.28	6.83	6.37	4.55	6.55	6.01	7.74	4.73	6.46	5.19	2.91	5.73	4.37
95.0	3.09	2.64	4.28	4.28	4.37	2.73	3.27	2.91	4.19	3.09	4.00	2.82	2.27	3.64	3.46
100.0	2.91	2.45	3.73	3.27	4.09	2.55	2.82	2.45	4.00	3.27	4.00	2.36	2.27	3.55	3.27
105.0	2.82	2.45	3.55	3.18	4.00	2.55	2.82	2.45	3.91	3.27	3.64	2.45	2.27	3.55	3.27
110.0	2.82	2.45	3.37	3.18	3.91	2.45	2.82	2.55	3.73	3.27	3.91	2.45	2.36	3.82	3.18
115.0	2.73	2.45	3.55	3.18	3.91	2.55	2.73	2.55	3.73	3.09	3.55	2.45	2.36	3.27	3.18
120.0	2.73	2.55	3.55	3.18	3.73	2.64	2.73	2.55	3.64	3.00	3.37	2.45	2.27	3.46	3.27
125.0	2.73	2.55	3.55	3.09	3.55	2.55	2.64	2.55	3.27	2.91	3.18	2.55	2.36	3.18	3.00
130.0	2.64	2.45	3.09	3.09	3.55	2.55	2.64	2.45	3.18	2.82	3.27	2.64	2.36	3.18	2.91
135.0	2.64	2.36	2.91	2.73	3.09	2.36	2.64	2.27	3.09	2.82	3.18	2.36	2.36	2.64	2.91
140.0	2.64	2.36	2.73	2.45	2.82	2.36	2.55	2.36	3.00	2.82	3.09	2.36	2.45	2.64	2.91
145.0	2.64	2.36	2.64	2.55	2.73	2.45	2.64	2.45	2.82	2.73	2.91	2.45	2.55	2.73	2.82
150.0	2.73	2.55	2.73	2.55	2.82	2.64	2.82	2.64	2.91	2.82	2.91	2.64	2.73	2.82	2.64
155.0	2.91	2.82	3.00	2.91	3.09	2.91	3.00	2.91	3.27	3.18	3.27	3.00	3.09	3.18	3.00
160.0	3.27	3.18	3.46	3.46	3.64	3.37	3.46	3.37	3.64	3.64	3.73	3.46	3.46	3.64	3.55
165.0	3.73	3.64	3.82	3.82	4.00	3.82	3.82	3.73	4.00	3.91	4.00	3.73	3.82	3.91	3.82
170.0	3.91	3.82	3.91	3.91	4.00	3.91	3.91	3.82	3.91	3.82	3.91	3.82	3.82	3.91	3.73
175.0	3.91	3.73	3.82	3.73	3.82	3.73	3.82	3.73	3.73	3.64	3.73	3.64	3.73	3.64	3.55
180.0	3.73	3.64	3.55	3.55	3.64	3.64	3.73	3.64	3.55	3.46	3.55	3.55	3.73	3.64	3.55

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 Humidity: 58%  
 Test Distance: 9.545 m  
 Remarks: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000297

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CD1 Z503 PW 25D 4W 220VAC 50HZ IP20	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN 1	DIMENSION: 40X83mm	SERIAL No.: 8169195

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	2112	2112	2122	2125	2132	2142	2148	2157	2159
5.0	1535	1575	1680	1733	1820	1854	1925	1923	1939
10.0	700	744	841	871	986	1029	1105	1100	1144
15.0	246	259	286	297	359	372	395	392	429
20.0	80.9	78.3	90.2	86.7	112	113	127	118	129
25.0	53.2	37.5	39.4	36.8	43.2	41.2	50.9	43.2	46.1
30.0	27.4	24.8	24.8	24.9	34.8	33.7	32.1	29.7	40.4
35.0	16.6	14.1	20.8	21.3	18.3	15.8	27.6	18.4	20.0
40.0	14.5	11.4	14.6	12.6	16.2	13.3	16.9	14.2	16.6
45.0	12.0	10.4	12.0	10.3	14.1	13.0	12.5	12.8	14.8
50.0	9.20	7.83	10.0	7.83	11.1	9.83	11.6	9.01	10.3
55.0	7.74	6.83	8.19	7.37	10.3	8.29	8.92	7.19	9.74
60.0	6.74	5.64	7.10	6.10	8.01	6.74	7.47	6.28	7.47
65.0	6.74	5.92	6.65	5.37	6.92	5.92	6.65	5.10	6.83
70.0	6.46	5.37	6.46	5.28	6.92	5.37	6.01	4.73	6.83
75.0	5.28	4.64	5.73	5.19	6.74	5.55	5.73	4.19	5.19
80.0	5.46	6.01	5.10	4.91	6.28	5.28	5.28	3.46	4.91
85.0	5.19	6.65	5.46	6.92	8.01	7.92	6.92	3.55	4.64
90.0	5.19	6.37	5.46	5.64	7.19	8.19	7.74	4.46	5.73
95.0	4.28	4.00	3.64	2.27	3.09	5.01	4.73	3.37	3.55
100.0	4.09	3.73	3.46	2.27	3.00	3.73	3.91	2.91	3.27
105.0	3.91	3.82	3.46	2.18	2.91	3.46	3.73	2.82	3.09
110.0	3.82	3.73	3.37	2.27	2.82	3.37	3.82	2.91	3.18
115.0	3.91	3.64	3.46	2.27	2.82	3.37	3.73	2.91	3.09
120.0	3.91	3.73	3.27	2.27	2.82	3.37	3.64	2.82	3.09
125.0	3.55	3.37	3.09	2.27	2.73	3.18	3.27	2.36	3.00
130.0	3.27	3.00	2.91	2.27	2.73	2.82	2.82	2.27	2.64
135.0	3.27	3.00	2.64	2.27	2.64	2.64	2.73	2.27	2.64
140.0	3.18	2.82	2.64	2.36	2.64	2.36	2.64	2.27	2.64
145.0	3.18	2.73	2.64	2.36	2.55	2.36	2.64	2.36	2.64
150.0	3.18	2.64	2.73	2.55	2.73	2.55	2.73	2.55	2.73
155.0	3.27	2.91	3.00	2.82	3.00	2.82	3.00	2.82	2.91
160.0	3.64	3.37	3.37	3.18	3.37	3.27	3.46	3.27	3.27
165.0	3.91	3.73	3.73	3.64	3.73	3.64	3.82	3.64	3.73
170.0	3.91	3.73	3.91	3.82	3.82	3.73	3.91	3.73	3.82
175.0	3.64	3.64	3.73	3.73	3.73	3.64	3.64	3.64	3.73
180.0	3.55	3.55	3.64	3.64	3.64	3.46	3.55	3.46	3.64

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 Temperature: 21 DEG  
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