

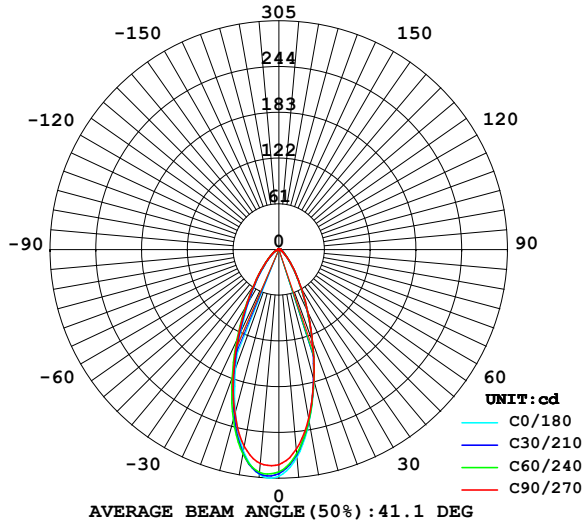
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000529

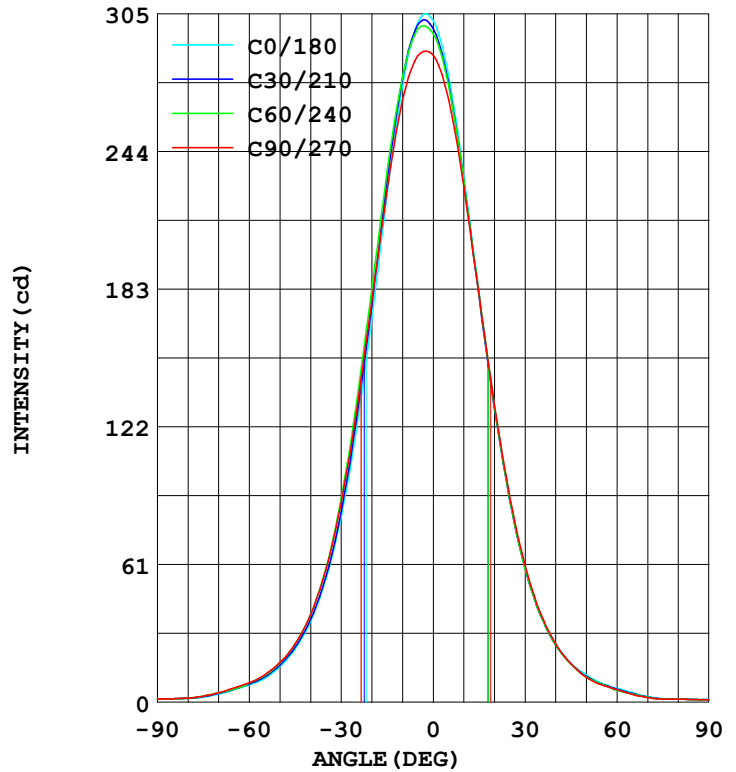
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.: ---

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CDMR16	Imax (cd)	304.5	S/MH (C0/180)	0.70
NOMINAL POWER (W)	3	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.74
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	193.07	$\eta$ UP (C0-180)	
NOMINAL FLUX (lm)	193.1	EFFICIENCY (lm/W)	DIRECT	$\eta$ DN (C0-180)	
LAMPS QUANTITY	1	$\eta$ up (%)	3.9	$\eta$ UP (C180-360)	
TEST VOLTAGE (V)	220.9	$\eta$ down (%)	96.1	$\eta$ DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



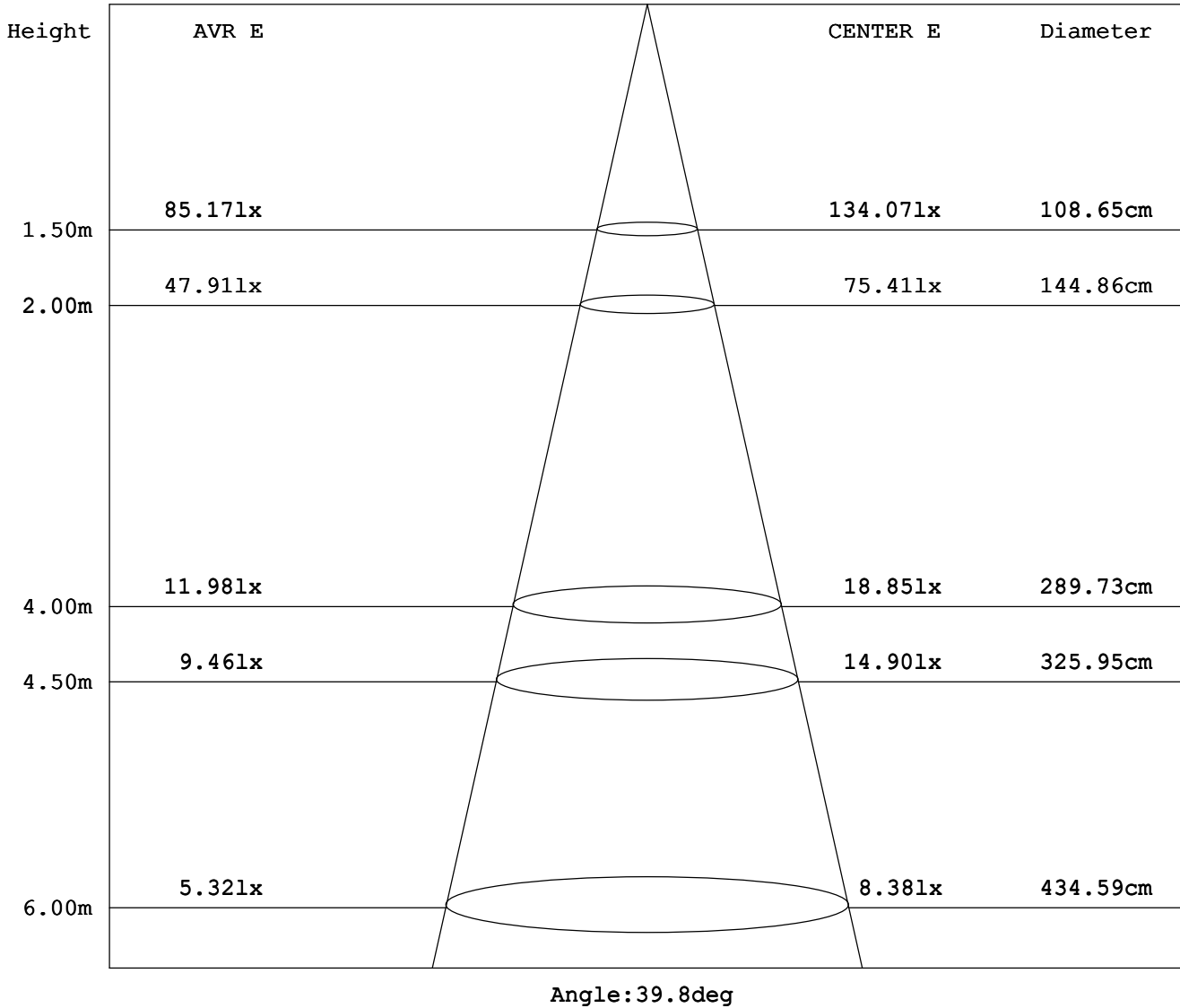
Test System: LSG-1600  
 Temperature: 29 DEG  
 Operators: FATMA KARA  
 Test Date: 08-20-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
 Humidity: 53%  
 Test Distance: 9.545 m  
 Remarks: CDMR16 WW 35D 5W 220VAC IP44

## AVERAGE AND CENTER E Figure

Report number: 0000529

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
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SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.:---



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 Remarks: CDMR16 WW 35D 5W 220VAC IP44

## ZONAL FLUX DIAGRAM

Report number: 0000529

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.: ---

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	300.5	297.9	285.8	248.9	277.6	275.5	267.1	254.6	0- 5	6.600	6.600
10.0	272.5	274.0	266.1	219.1	232.7	234.4	228.2	230.5	5- 10	18.15	24.75
15.0	224.3	230.0	226.1	178.2	181.0	183.6	180.2	192.1	10- 15	25.43	50.19
20.0	170.0	176.0	177.7	134.1	131.6	134.3	132.0	146.2	15- 20	27.54	77.73
25.0	120.9	125.1	128.6	94.38	90.37	92.92	91.28	104.5	20- 25	25.43	103.1
30.0	81.90	83.27	88.19	63.95	59.85	61.67	60.76	71.15	25- 30	21.04	124.2
35.0	54.39	53.93	58.49	43.36	39.08	40.54	39.63	47.64	30- 35	16.32	140.5
40.0	35.71	35.16	38.62	29.33	25.69	27.05	25.87	31.97	35- 40	12.25	152.8
45.0	23.59	23.23	25.78	19.95	17.21	18.22	17.12	21.59	40- 45	9.063	161.8
50.0	15.76	15.48	17.58	14.21	12.11	12.48	11.02	14.39	45- 50	6.682	168.5
55.0	10.56	10.47	12.11	10.47	8.381	9.019	7.652	9.930	50- 55	4.943	173.4
60.0	7.652	7.379	8.564	7.561	6.195	6.286	5.557	7.015	55- 60	3.732	177.2
65.0	5.557	5.010	6.286	5.193	4.282	4.373	3.462	4.919	60- 65	2.768	179.9
70.0	3.553	3.462	4.190	3.553	2.459	2.824	2.095	3.188	65- 70	1.925	181.9
75.0	2.277	2.186	2.642	2.186	1.639	1.822	1.366	1.913	70- 75	1.262	183.1
80.0	1.731	1.457	1.822	1.457	1.366	1.639	1.275	1.639	75- 80	0.889	184.0
85.0	1.457	1.275	1.548	1.275	1.184	1.366	1.184	1.457	80- 85	0.774	184.8
90.0	1.366	1.184	1.366	1.184	1.184	1.275	1.093	1.366	85- 90	0.712	185.5
95.0	1.366	1.184	1.366	1.184	1.184	1.366	1.184	1.275	90- 95	0.681	186.2
100.0	1.275	1.093	1.275	1.184	1.184	1.275	1.093	1.275	95-100	0.666	186.9
105.0	1.275	1.093	1.275	1.184	1.184	1.275	1.184	1.275	100-105	0.648	187.5
110.0	1.275	1.184	1.275	1.184	1.184	1.275	1.184	1.275	105-110	0.632	188.1
115.0	1.275	1.093	1.275	1.184	1.184	1.184	1.093	1.275	110-115	0.605	188.7
120.0	1.275	1.184	1.184	1.184	1.093	1.184	1.184	1.184	115-120	0.582	189.3
125.0	1.275	1.093	1.184	1.184	1.184	1.184	1.184	1.184	120-125	0.549	189.9
130.0	1.184	1.184	1.184	1.184	1.184	1.184	1.184	1.184	125-130	0.514	190.4
135.0	1.184	1.184	1.184	1.184	1.184	1.275	1.184	1.184	130-135	0.473	190.9
140.0	1.275	1.093	1.184	1.184	1.184	1.184	1.184	1.184	135-140	0.432	191.3
145.0	1.184	1.184	1.184	1.184	1.184	1.275	1.184	1.184	140-145	0.393	191.7
150.0	1.184	1.184	1.184	1.184	1.184	1.184	1.184	1.184	145-150	0.345	192.0
155.0	1.184	1.184	1.184	1.184	1.184	1.184	1.184	1.184	150-155	0.298	192.3
160.0	1.184	1.184	1.184	1.184	1.184	1.184	1.184	1.184	155-160	0.248	192.6
165.0	1.184	1.184	1.184	1.184	1.184	1.184	1.184	1.184	160-165	0.196	192.8
170.0	1.184	1.184	1.184	1.184	1.184	1.275	1.184	1.184	165-170	0.141	192.9
175.0	1.184	1.184	1.184	1.184	1.184	1.184	1.093	1.184	170-175	0.085	193.0
180.0	1.184	1.184	1.184	1.184	1.184	1.184	1.184	1.184	175-180	0.028	193.0
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

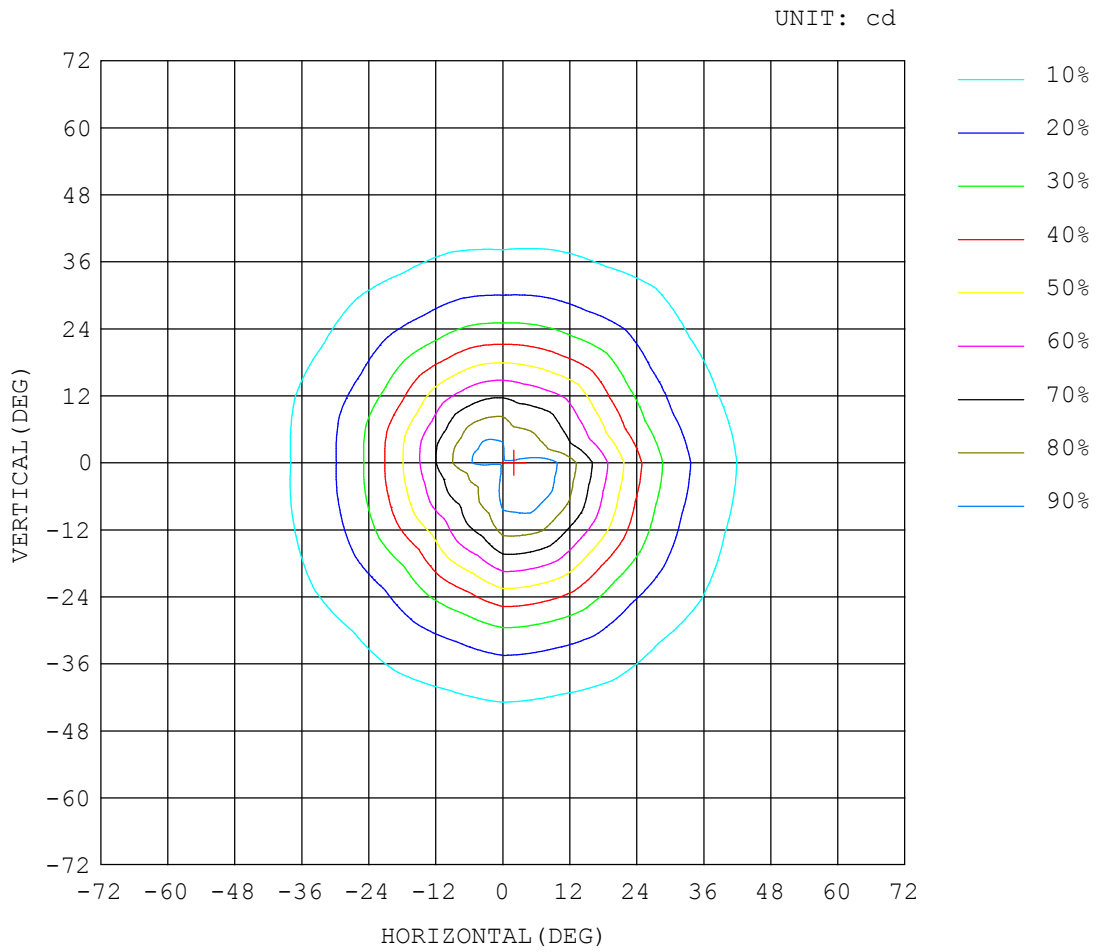
Test System: LSG-1600  
 Temperature: 29DEG  
 Operators: FATMA KARA  
 Test Date: 08-20-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 53%  
 Test Distance: 9.545 m  
 Remarks: CDMR16 WW 35D 5W 220VAC IP44

## ISOCANDELA DIAGRAM

Report number: 0000529

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.: ---



Test System: LSG-1600  
Temperature: 29DEG  
Operators: FATMA KARA  
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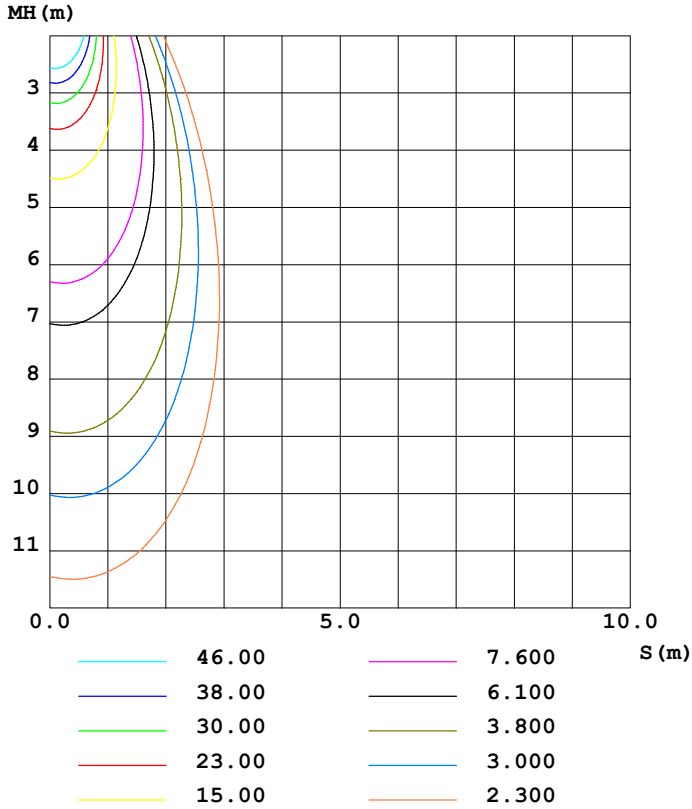
Test Set: 2.0deg/s C-Gamma (TYPE C)  
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Test Distance: 9.545 m  
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## ISOLUX DIAGRAM

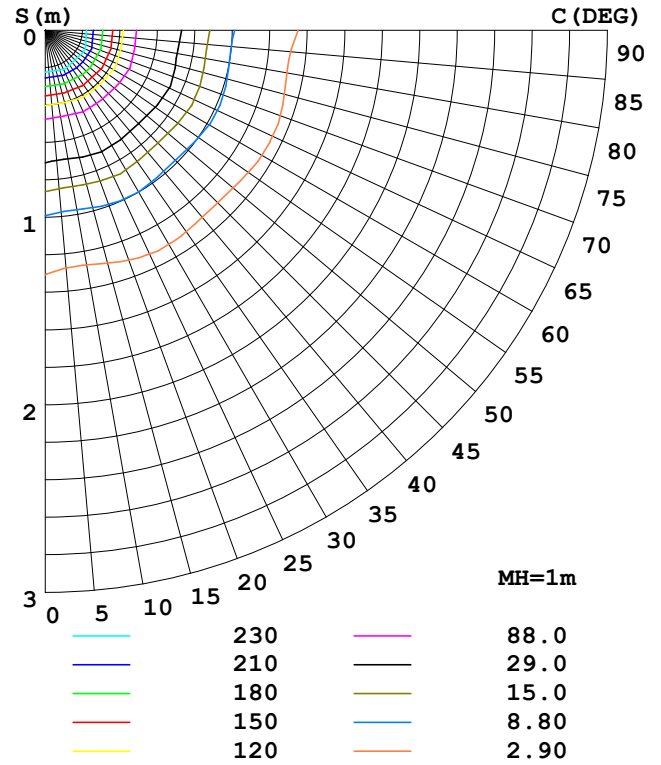
Report number: 0000529

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.: ---

C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



PLANAR ISOLUX DIAGRAM (UNIT: lx)



Test System: LSG-1600  
 Temperature: 29DEG  
 Operators: FATMA KARA  
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 Humidity: 53%  
 Test Distance: 9.545 m  
 Remarks: CDMR16 WW 35D 5W 220VAC IP44

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000529

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	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	302	300	298	297	296	289	286	266	265	261	263	266	302	300	298
5.0	301	299	300	298	298	289	286	262	258	249	252	252	278	278	274
10.0	273	271	276	274	276	270	266	240	233	219	222	221	233	235	231
15.0	224	223	230	230	234	230	226	203	194	178	181	178	181	184	179
20.0	170	168	176	176	183	179	178	157	149	134	137	133	132	134	130
25.0	121	119	125	125	132	130	129	113	107	94.3	96.5	93.1	90.3	93.9	89.5
30.0	81.9	79.7	84.0	83.2	89.9	88.1	88.1	77.3	73.3	63.9	65.7	62.3	59.8	62.5	59.2
35.0	54.3	52.3	55.5	53.9	59.2	57.6	58.4	51.9	49.8	43.3	44.5	41.4	39.0	41.3	38.6
40.0	35.7	34.4	36.6	35.1	38.8	37.7	38.6	34.8	33.8	29.3	30.2	27.8	25.6	27.6	25.3
45.0	23.5	22.5	24.4	23.2	25.7	24.7	25.7	23.3	22.9	19.9	20.9	19.1	17.2	18.5	16.9
50.0	15.7	14.6	16.3	15.4	17.4	16.4	17.5	16.0	16.2	14.2	15.3	13.6	12.1	12.8	11.4
55.0	10.5	9.74	11.2	10.4	11.8	11.1	12.1	11.1	11.7	10.4	11.2	10.1	8.38	9.11	8.01
60.0	7.65	6.74	8.01	7.37	8.56	7.74	8.56	7.92	8.47	7.56	8.56	7.19	6.19	6.74	5.73
65.0	5.55	5.01	5.73	5.01	5.73	5.28	6.28	5.73	6.10	5.19	5.55	4.82	4.28	4.64	3.82
70.0	3.55	3.00	3.82	3.46	4.19	3.73	4.19	3.73	4.09	3.55	3.91	3.27	2.45	2.82	2.36
75.0	2.27	1.82	2.45	2.18	2.73	2.27	2.64	2.27	2.64	2.18	2.45	1.91	1.63	2.00	1.45
80.0	1.73	1.36	1.73	1.45	1.82	1.36	1.82	1.45	1.73	1.45	1.73	1.36	1.36	1.63	1.36
85.0	1.45	1.27	1.45	1.27	1.54	1.27	1.54	1.27	1.45	1.27	1.54	1.27	1.18	1.36	1.18
90.0	1.36	1.18	1.45	1.18	1.45	1.18	1.36	1.18	1.36	1.18	1.36	1.18	1.18	1.36	1.09
95.0	1.36	1.18	1.27	1.18	1.36	1.18	1.36	1.18	1.27	1.18	1.27	1.18	1.18	1.27	1.18
100.0	1.27	1.18	1.36	1.09	1.27	1.09	1.27	1.09	1.27	1.18	1.27	1.09	1.18	1.27	1.18
105.0	1.27	1.09	1.36	1.09	1.27	1.09	1.27	1.09	1.18	1.18	1.27	1.09	1.18	1.27	1.18
110.0	1.27	1.18	1.27	1.18	1.18	1.09	1.27	1.18	1.27	1.18	1.27	1.18	1.18	1.27	1.09
115.0	1.27	1.09	1.27	1.09	1.27	1.09	1.27	1.09	1.18	1.18	1.27	1.09	1.18	1.27	1.18
120.0	1.27	1.18	1.27	1.18	1.27	1.09	1.18	1.18	1.27	1.18	1.18	1.18	1.09	1.18	1.18
125.0	1.27	1.09	1.18	1.09	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.18
130.0	1.18	1.18	1.27	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
135.0	1.18	1.09	1.18	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
140.0	1.27	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
145.0	1.18	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
150.0	1.18	1.09	1.18	1.18	1.09	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18	1.18
155.0	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.18	1.18
160.0	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18
165.0	1.18	1.27	1.18	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
170.0	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
175.0	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.27	1.09
180.0	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.27	1.18	1.18	1.18	1.18	1.18	1.18	1.18

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Report number: 0000529

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.: ---

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	297	296	289	286	266	265	261	263	266
5.0	276	273	269	267	252	254	255	256	261
10.0	234	231	230	228	221	225	231	230	234
15.0	184	180	181	180	179	183	192	189	192
20.0	134	131	133	132	134	137	146	143	145
25.0	92.9	89.8	92.9	91.2	93.8	96.3	105	99.6	103
30.0	61.6	59.3	62.0	60.7	63.2	64.7	71.1	66.7	69.0
35.0	40.5	38.7	41.0	39.6	42.0	42.8	47.6	44.0	45.9
40.0	27.0	25.4	27.3	25.8	28.3	28.2	31.9	29.2	30.7
45.0	18.2	16.9	18.2	17.1	19.0	18.7	21.5	19.6	20.9
50.0	12.4	11.2	12.2	11.0	12.7	12.2	14.3	13.0	14.2
55.0	9.01	7.83	8.56	7.65	8.83	8.29	9.93	8.92	9.83
60.0	6.28	5.28	6.10	5.55	6.65	5.92	7.01	6.19	7.10
65.0	4.37	3.64	4.19	3.46	4.37	3.91	4.91	4.19	4.91
70.0	2.82	2.18	2.64	2.09	2.73	2.36	3.18	2.64	3.27
75.0	1.82	1.45	1.82	1.36	1.82	1.45	1.91	1.54	1.91
80.0	1.63	1.27	1.54	1.27	1.54	1.27	1.63	1.27	1.63
85.0	1.36	1.18	1.45	1.18	1.36	1.18	1.45	1.18	1.45
90.0	1.27	1.18	1.36	1.09	1.36	1.18	1.36	1.18	1.36
95.0	1.36	1.09	1.36	1.18	1.36	1.09	1.27	1.09	1.27
100.0	1.27	1.09	1.27	1.09	1.27	1.18	1.27	1.09	1.27
105.0	1.27	1.09	1.27	1.18	1.27	1.09	1.27	1.18	1.27
110.0	1.27	1.18	1.27	1.18	1.18	1.09	1.27	1.18	1.18
115.0	1.18	1.18	1.18	1.09	1.27	1.09	1.27	1.18	1.18
120.0	1.18	1.09	1.27	1.18	1.27	1.09	1.18	1.09	1.18
125.0	1.18	1.09	1.27	1.18	1.18	1.18	1.18	1.18	1.27
130.0	1.18	1.18	1.27	1.18	1.18	1.09	1.18	1.18	1.18
135.0	1.27	1.18	1.27	1.18	1.18	1.09	1.18	1.18	1.18
140.0	1.18	1.09	1.18	1.18	1.18	1.09	1.18	1.18	1.18
145.0	1.27	1.09	1.18	1.18	1.18	1.09	1.18	1.18	1.18
150.0	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
155.0	1.18	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.18
160.0	1.18	1.18	1.18	1.18	1.18	1.09	1.18	1.18	1.18
165.0	1.18	1.18	1.18	1.18	1.27	1.18	1.18	1.18	1.18
170.0	1.27	1.09	1.18	1.18	1.18	1.09	1.18	1.18	1.18
175.0	1.18	1.18	1.18	1.09	1.18	1.18	1.18	1.18	1.18
180.0	1.18	1.18	1.18	1.18	1.27	1.09	1.18	1.18	1.18

Test System: LSG-1600  
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 Operators: FATMA KARA  
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