

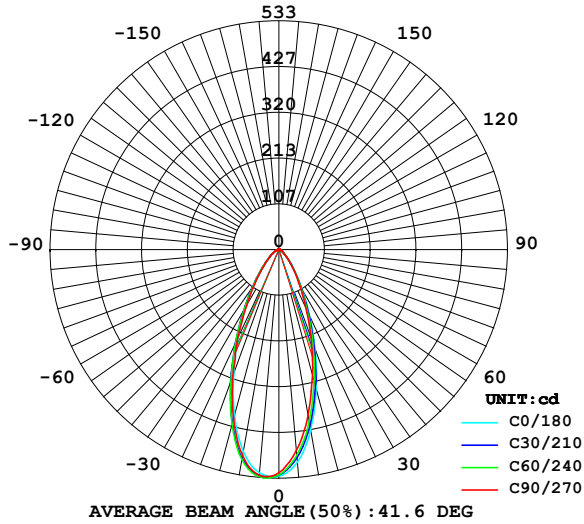
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000530

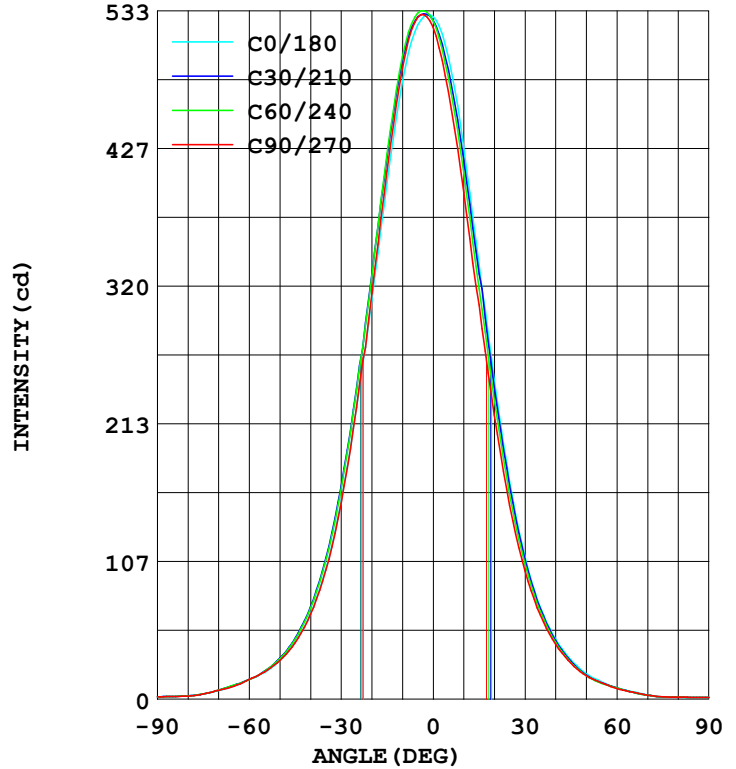
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
SPECIFICATION: CROMA DOWN MR16	DIMENSION: Ø50	SERIAL No.: ---

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CDMR16	Imax (cd)	533.1	S/MH (C0/180)	0.72
NOMINAL POWER (W)	7	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.73
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	341.09	η UP (C0-180)	
NOMINAL FLUX (lm)	341.1	EFFICIENCY (lm/W)	DIRECT	η DN (C0-180)	
LAMPS QUANTITY	1	η up (%)	2.7	η UP (C180-360)	
TEST VOLTAGE (V)	220.7	η down (%)	97.3	η DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



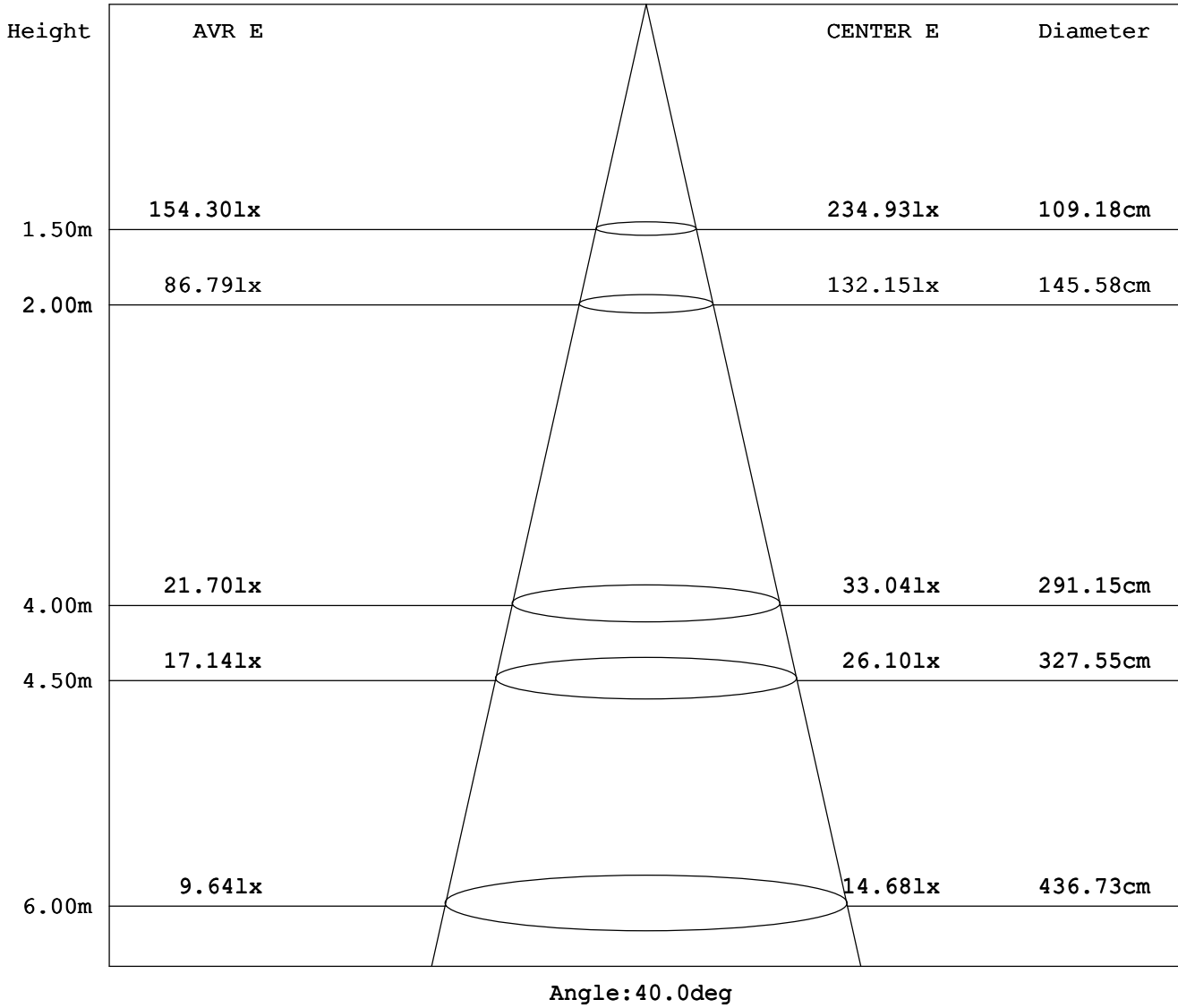
Test System: LSG-1600
 Temperature: 28 DEG
 Operators: FATMA KARA
 Test Date: 08-21-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 56%
 Test Distance: 9.545 m
 Remarks: CDMR16 WW 35D 5W 220VAC IP44

AVERAGE AND CENTER E Figure

Report number: 0000530

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: CDMR16 WW 35D 5W 220VAC IP44	TYPE: CROMA DOWN	WEIGHT:
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ZONAL FLUX DIAGRAM

Report number: 0000530

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	522.0	530.0	528.0	496.3	497.1	488.8	470.3	467.1	0- 5	12.02	12.02
10.0	478.0	493.7	488.2	443.7	427.0	419.4	392.3	401.9	5- 10	33.05	45.07
15.0	400.0	418.0	408.9	358.8	336.0	331.0	305.2	322.7	10- 15	46.17	91.25
20.0	309.4	323.9	314.0	268.8	247.1	246.4	220.2	246.7	15- 20	50.02	141.2
25.0	225.7	234.0	226.2	186.6	168.5	169.7	149.9	174.3	20- 25	46.23	187.5
30.0	153.2	158.5	151.7	124.3	110.2	112.0	99.48	117.6	25- 30	38.15	225.6
35.0	100.9	103.1	99.94	81.72	71.33	73.43	65.23	78.26	30- 35	29.37	255.0
40.0	66.32	66.96	65.68	54.39	46.46	48.01	42.45	51.83	35- 40	21.85	276.9
45.0	44.09	43.64	43.82	36.16	30.42	31.52	27.78	34.62	40- 45	16.01	292.9
50.0	29.97	28.97	29.97	24.59	19.67	20.68	18.13	23.41	45- 50	11.64	304.5
55.0	20.77	19.31	21.22	16.67	13.48	13.93	12.66	16.12	50- 55	8.515	313.0
60.0	15.57	13.30	15.39	11.57	8.746	10.29	8.290	11.66	55- 60	6.310	319.3
65.0	9.930	9.657	10.11	8.108	5.921	6.468	5.557	8.290	60- 65	4.587	323.9
70.0	6.833	5.830	6.924	4.555	3.370	3.917	3.188	4.828	65- 70	3.089	327.0
75.0	4.099	3.097	4.099	2.368	1.822	2.550	1.822	2.824	70- 75	1.871	328.9
80.0	2.550	1.822	2.459	1.731	1.548	2.095	1.639	2.277	75- 80	1.212	330.1
85.0	2.186	1.548	2.095	1.457	1.366	1.822	1.366	2.004	80- 85	1.007	331.1
90.0	1.913	1.457	1.822	1.366	1.366	1.731	1.366	1.731	85- 90	0.890	332.0
95.0	1.731	1.366	1.731	1.366	1.275	1.639	1.275	1.639	90- 95	0.834	332.8
100.0	1.731	1.366	1.639	1.366	1.275	1.639	1.366	1.548	95-100	0.817	333.6
105.0	1.639	1.366	1.639	1.275	1.366	1.639	1.275	1.639	100-105	0.791	334.4
110.0	1.639	1.275	1.548	1.275	1.366	1.548	1.366	1.548	105-110	0.764	335.2
115.0	1.548	1.366	1.548	1.275	1.366	1.457	1.275	1.548	110-115	0.728	335.9
120.0	1.548	1.275	1.548	1.275	1.366	1.457	1.366	1.457	115-120	0.692	336.6
125.0	1.548	1.366	1.457	1.366	1.366	1.457	1.366	1.548	120-125	0.657	337.3
130.0	1.457	1.275	1.457	1.366	1.366	1.457	1.275	1.457	125-130	0.610	337.9
135.0	1.457	1.366	1.457	1.366	1.366	1.457	1.366	1.457	130-135	0.569	338.5
140.0	1.457	1.366	1.457	1.366	1.366	1.457	1.366	1.457	135-140	0.520	339.0
145.0	1.457	1.366	1.457	1.275	1.366	1.457	1.366	1.457	140-145	0.468	339.4
150.0	1.457	1.366	1.457	1.366	1.366	1.457	1.366	1.366	145-150	0.413	339.9
155.0	1.457	1.366	1.457	1.366	1.366	1.457	1.366	1.457	150-155	0.356	340.2
160.0	1.457	1.366	1.457	1.366	1.457	1.457	1.366	1.366	155-160	0.298	340.5
165.0	1.457	1.366	1.457	1.457	1.366	1.366	1.457	1.366	160-165	0.234	340.7
170.0	1.457	1.457	1.457	1.366	1.366	1.457	1.457	1.457	165-170	0.169	340.9
175.0	1.457	1.457	1.366	1.457	1.457	1.457	1.457	1.366	170-175	0.102	341.0
180.0	1.457	1.457	1.457	1.366	1.457	1.366	1.366	1.366	175-180	0.034	341.0
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

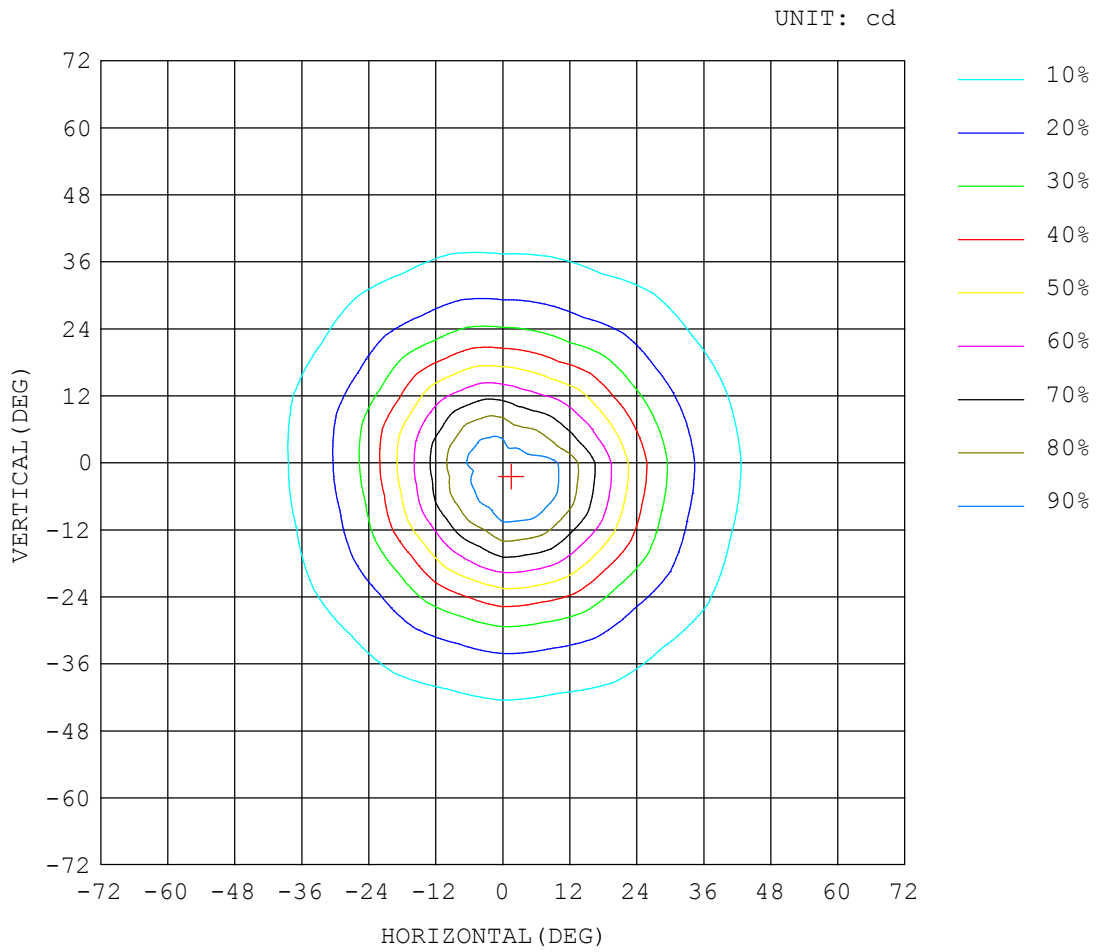
Test System: LSG-1600
 Temperature: 28 DEG
 Operators: FATMA KARA
 Test Date: 08-21-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 56%
 Test Distance: 9.545 m
 Remarks: CDMR16 WW 35D 5W 220VAC IP44

ISOCANDELA DIAGRAM

Report number: 0000530

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: 28DEG
Operators: FATMA KARA
Test Date: 08-21-2014

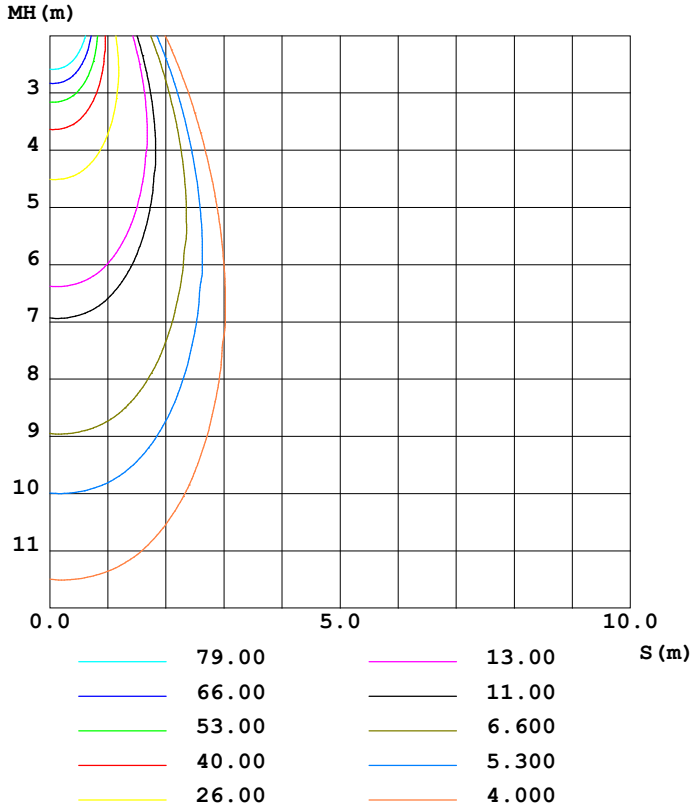
Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 56%
Test Distance: 9.545 m
Remarks: CDMR16 WW 35D 5W 220VAC IP44

ISOLUX DIAGRAM

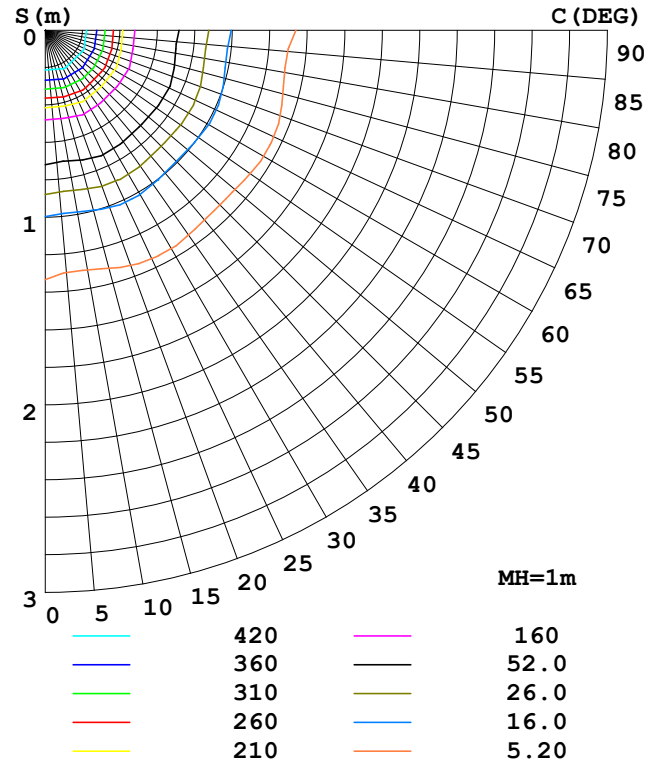
Report number: 0000530

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: 28DEG
 Operators: FATMA KARA
 Test Date: 08-21-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 56%
 Test Distance: 9.545 m
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000530

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	529	527	526	528	525	524	520	499	501	502	502	499	529	527	526
5.0	522	524	528	530	531	529	528	503	503	496	493	483	497	494	488
10.0	478	484	495	494	497	489	488	461	457	444	440	425	427	426	417
15.0	400	407	419	418	422	412	409	384	376	359	353	337	336	337	329
20.0	309	318	329	324	328	318	314	296	285	269	264	248	247	252	242
25.0	226	228	241	234	239	227	226	210	205	187	181	167	169	174	165
30.0	153	155	165	159	163	153	152	141	139	124	120	109	110	115	109
35.0	101	101	109	103	108	99.5	99.9	91.9	92.2	81.7	79.5	71.0	71.3	75.6	70.1
40.0	66.3	65.9	71.6	66.9	70.4	64.9	65.6	60.6	61.2	54.3	53.2	47.2	46.4	49.5	45.3
45.0	44.0	43.3	47.2	43.6	46.4	42.2	43.8	40.2	41.0	36.1	36.1	31.9	30.4	32.4	29.4
50.0	29.9	28.9	31.8	28.9	31.4	28.2	29.9	27.3	28.2	24.5	24.9	21.4	19.6	21.4	18.6
55.0	20.7	19.5	21.8	19.3	21.7	19.4	21.2	18.9	19.4	16.6	17.3	15.1	13.4	14.7	12.7
60.0	15.5	13.5	15.3	13.3	15.1	13.3	15.3	13.2	13.8	11.5	12.4	10.4	8.74	9.93	8.83
65.0	9.93	9.20	10.8	9.65	10.9	8.92	10.1	8.65	9.83	8.10	8.56	6.83	5.92	6.83	5.55
70.0	6.83	5.92	7.01	5.83	7.10	5.92	6.92	5.73	5.92	4.55	5.19	4.09	3.37	4.19	3.09
75.0	4.09	3.27	4.09	3.09	4.09	3.27	4.09	3.00	3.46	2.36	3.00	2.09	1.82	2.55	1.82
80.0	2.55	1.82	2.55	1.82	2.55	1.82	2.45	1.73	2.36	1.73	2.27	1.63	1.54	2.09	1.54
85.0	2.18	1.63	2.09	1.54	2.18	1.54	2.09	1.54	2.00	1.45	2.00	1.45	1.36	1.91	1.36
90.0	1.91	1.36	1.82	1.45	1.82	1.36	1.82	1.36	1.82	1.36	1.73	1.36	1.36	1.73	1.36
95.0	1.73	1.36	1.73	1.36	1.73	1.36	1.73	1.27	1.63	1.36	1.63	1.27	1.27	1.73	1.36
100.0	1.73	1.27	1.73	1.36	1.63	1.36	1.63	1.27	1.63	1.36	1.63	1.36	1.27	1.63	1.27
105.0	1.63	1.36	1.63	1.36	1.63	1.36	1.63	1.27	1.54	1.27	1.63	1.36	1.36	1.63	1.36
110.0	1.63	1.36	1.54	1.27	1.63	1.36	1.54	1.36	1.54	1.27	1.54	1.36	1.36	1.54	1.36
115.0	1.54	1.36	1.54	1.36	1.54	1.36	1.54	1.27	1.45	1.27	1.54	1.27	1.36	1.54	1.36
120.0	1.54	1.36	1.54	1.27	1.54	1.36	1.54	1.27	1.45	1.27	1.45	1.36	1.36	1.45	1.27
125.0	1.54	1.27	1.54	1.36	1.54	1.36	1.45	1.36	1.45	1.36	1.45	1.27	1.36	1.54	1.27
130.0	1.45	1.36	1.45	1.27	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.36	1.45	1.27
135.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.36	1.45	1.36
140.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.27	1.45	1.36	1.36	1.36	1.36	1.45	1.36
145.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.27	1.45	1.36	1.36	1.45	1.36
150.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.27	1.36	1.45	1.36
155.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.36	1.45	1.36
160.0	1.45	1.36	1.45	1.36	1.54	1.36	1.45	1.36	1.45	1.36	1.45	1.45	1.45	1.45	1.36
165.0	1.45	1.45	1.45	1.36	1.54	1.45	1.45	1.36	1.45	1.45	1.45	1.45	1.36	1.45	1.45
170.0	1.45	1.36	1.45	1.45	1.45	1.36	1.45	1.36	1.36	1.36	1.45	1.45	1.36	1.45	1.36
175.0	1.45	1.45	1.45	1.45	1.45	1.36	1.36	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
180.0	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.36	1.36	1.36	1.36	1.45	1.45	1.45

Test System: LSG-1600
 Temperature: 28DEG
 Operators: FATMA KARA
 Test Date: 08-21-2014

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000530

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	528	525	524	520	499	501	502	502	499
5.0	489	481	479	470	454	457	467	472	480
10.0	419	408	405	392	380	385	402	413	431
15.0	331	318	314	305	296	304	323	337	359
20.0	246	232	232	220	219	222	247	259	279
25.0	170	158	160	150	151	153	174	184	204
30.0	112	105	107	99.4	100	102	118	124	138
35.0	73.4	67.9	70.6	65.2	66.6	66.5	78.2	81.3	92.2
40.0	48.0	43.9	46.5	42.4	44.3	43.8	51.8	53.3	60.9
45.0	31.5	28.4	30.6	27.7	30.1	29.2	34.6	35.1	40.6
50.0	20.6	18.3	20.3	18.1	20.9	19.6	23.4	23.2	27.5
55.0	13.9	12.3	14.1	12.6	15.0	13.6	16.1	15.3	18.8
60.0	10.2	8.74	9.74	8.29	10.3	9.65	11.6	10.8	13.0
65.0	6.46	5.46	6.55	5.55	6.92	6.19	8.29	7.56	8.92
70.0	3.91	3.18	4.09	3.18	4.28	3.46	4.82	4.19	6.01
75.0	2.55	1.82	2.55	1.82	2.64	2.00	2.82	2.27	3.46
80.0	2.09	1.63	2.18	1.63	2.18	1.63	2.27	1.73	2.36
85.0	1.82	1.36	1.82	1.36	1.91	1.45	2.00	1.54	2.09
90.0	1.73	1.36	1.73	1.36	1.63	1.36	1.73	1.27	1.82
95.0	1.63	1.27	1.63	1.27	1.63	1.27	1.63	1.36	1.73
100.0	1.63	1.36	1.63	1.36	1.54	1.36	1.54	1.36	1.73
105.0	1.63	1.36	1.54	1.27	1.54	1.36	1.63	1.27	1.54
110.0	1.54	1.36	1.54	1.36	1.54	1.27	1.54	1.36	1.54
115.0	1.45	1.36	1.54	1.27	1.45	1.27	1.54	1.36	1.54
120.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.27	1.54
125.0	1.45	1.36	1.45	1.36	1.45	1.36	1.54	1.36	1.54
130.0	1.45	1.36	1.45	1.27	1.45	1.36	1.45	1.27	1.45
135.0	1.45	1.36	1.45	1.36	1.45	1.36	1.45	1.36	1.45
140.0	1.45	1.36	1.36	1.36	1.45	1.36	1.45	1.36	1.36
145.0	1.45	1.36	1.36	1.36	1.36	1.27	1.45	1.36	1.45
150.0	1.45	1.36	1.45	1.36	1.45	1.36	1.36	1.36	1.45
155.0	1.45	1.36	1.45	1.36	1.36	1.36	1.45	1.36	1.45
160.0	1.45	1.36	1.45	1.36	1.36	1.36	1.36	1.36	1.45
165.0	1.36	1.36	1.45	1.45	1.36	1.36	1.36	1.36	1.45
170.0	1.45	1.36	1.45	1.45	1.45	1.36	1.45	1.36	1.45
175.0	1.45	1.45	1.45	1.45	1.45	1.36	1.36	1.45	1.45
180.0	1.36	1.36	1.45	1.36	1.45	1.36	1.36	1.45	1.45

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