

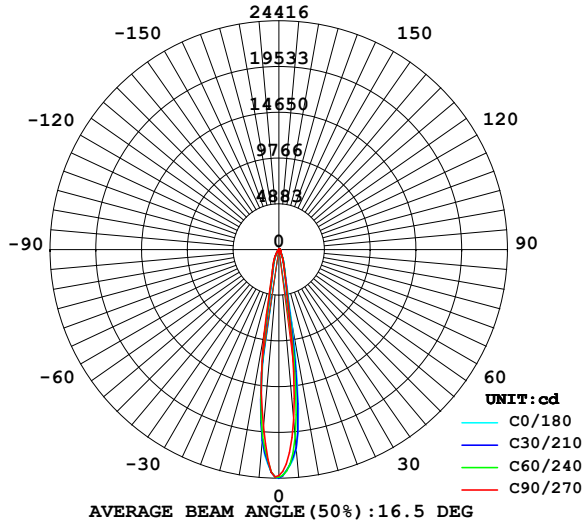
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000553

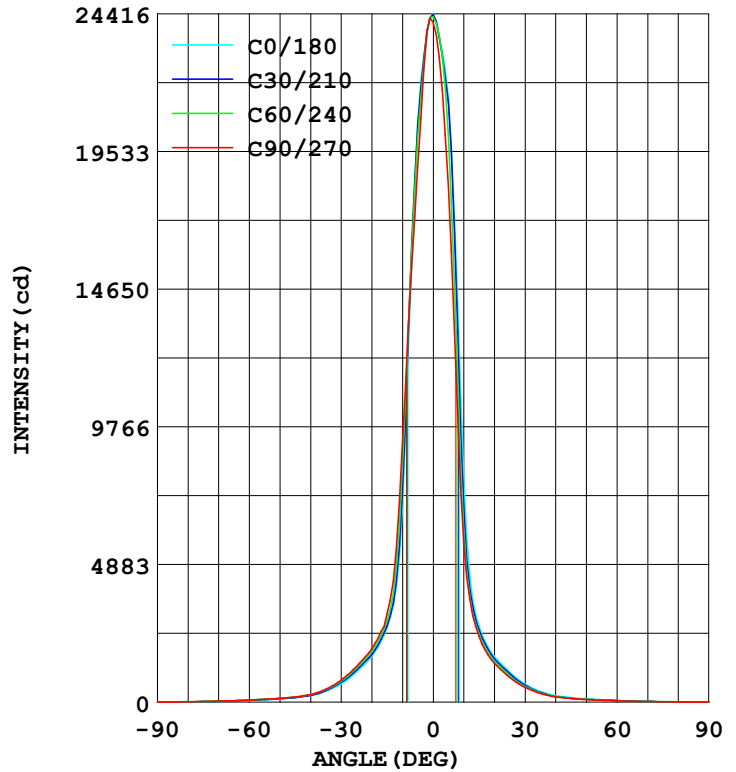
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: Roll BeeHive Z515 CW 10D 40W 220VAC	50mm PEPPEROMADOWN	WEIGHT:
SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CDRB300	Imax (cd)	24416	S/MH (C0/180)	0.26
NOMINAL POWER (W)	38	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.29
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3138.7	η UP (C0-180)	
NOMINAL FLUX (lm)	3138.8	EFFICIENCY (lm/W)	DIRECT	η DN (C0-180)	
LAMPS QUANTITY	1	η up (%)	1.0	η UP (C180-360)	
TEST VOLTAGE (V)	220.5	η down (%)	99.0	η DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



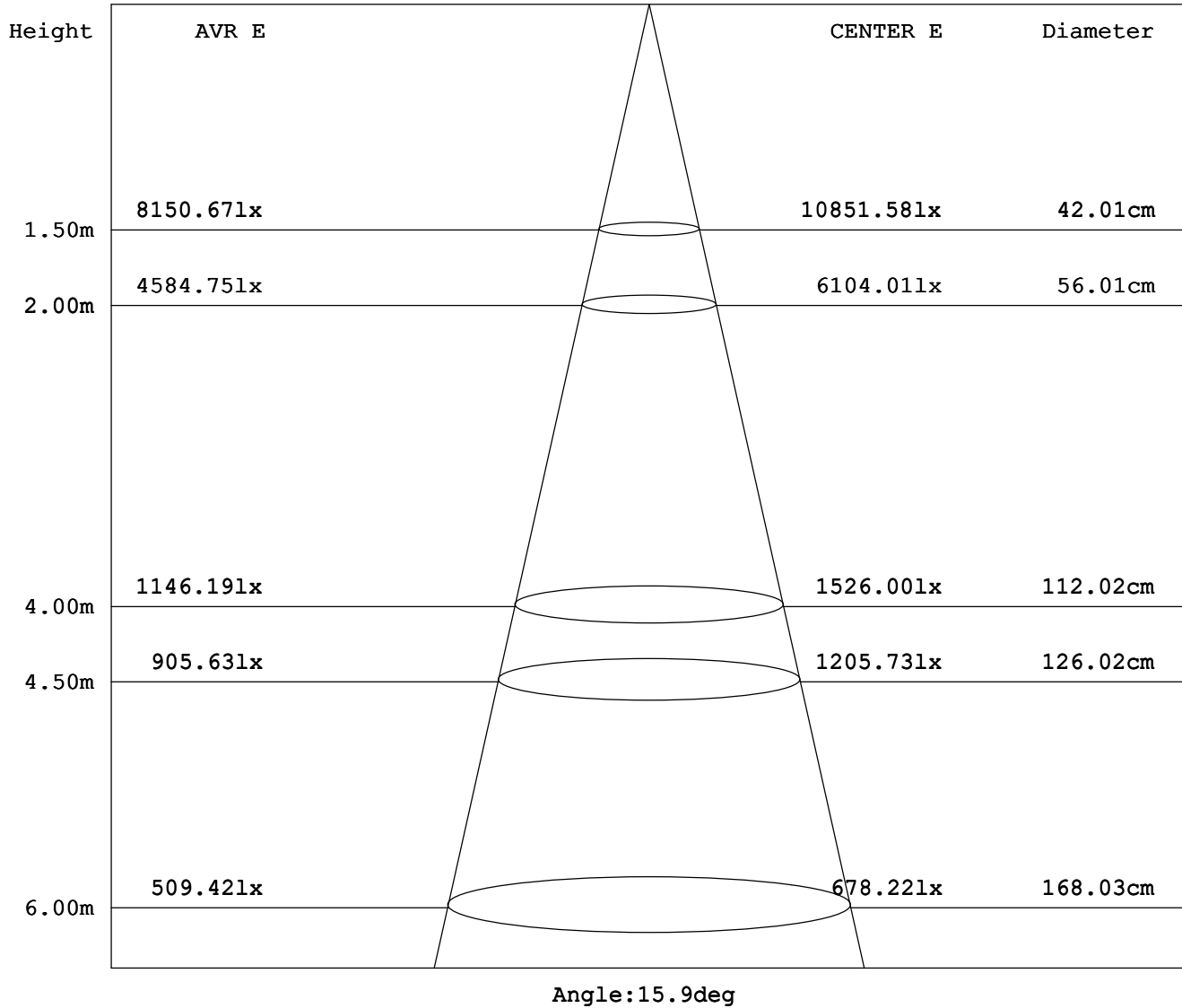
Test System: LSG-1600
 Temperature: 26.2 DEG
 Operators: FATMA KARA
 Test Date: 10-09-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: Roll BeeHive Z515 CW 10D 40W 220VAC

AVERAGE AND CENTER E Figure

Report number: 0000553

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: Roll BeeHive Z515 CW 10D 40W 220VAC	50Hz PEP2ROMADOWN	WEIGHT:
SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591



Test System: LSG-1600
 Temperature: 26.2DEG
 Operators: FATMA KARA
 Test Date: 10-09-2014

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: Roll BeeHive Z515 CW 10D 40W 220VAC

ZONAL FLUX DIAGRAM

Report number: 0000553

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: Roll BeeHive Z515 CW 10D 40W 220VAC	50mm PEPPEROMADOWN	WEIGHT:
SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	2051	2018	1900	1994	2142	2088	1827	1728	0- 5	506.4	506.4
10.0	691.0	759.3	912.8	1030	791.2	661.8	562.6	513.9	5- 10	845.4	1352
15.0	264.7	278.6	312.3	339.3	269.0	252.1	233.3	228.9	10- 15	454.3	1806
20.0	162.7	173.4	190.1	189.6	162.4	152.6	138.8	139.2	15- 20	324.6	2131
25.0	106.7	116.4	126.9	124.8	106.9	99.42	88.31	89.97	20- 25	267.5	2398
30.0	64.98	71.64	77.96	78.26	64.43	59.41	53.30	54.01	25- 30	203.6	2602
35.0	38.92	41.85	46.11	45.63	38.11	34.04	31.30	30.00	30- 35	141.6	2744
40.0	23.98	24.98	27.00	25.84	23.46	20.64	19.04	18.64	35- 40	93.60	2837
45.0	16.62	17.24	18.64	17.35	16.24	14.41	13.38	13.15	40- 45	67.75	2905
50.0	12.09	12.63	13.72	12.64	11.89	10.68	9.584	9.721	45- 50	53.08	2958
55.0	8.974	9.639	10.27	9.575	8.873	8.290	7.015	7.370	50- 55	42.62	3001
60.0	6.459	7.179	7.589	7.261	6.432	6.104	5.038	5.457	55- 60	33.92	3035
65.0	4.354	4.965	5.539	5.338	4.327	4.090	3.462	3.899	60- 65	25.45	3060
70.0	3.088	3.370	3.926	3.780	2.924	2.869	2.450	2.751	65- 70	18.47	3079
75.0	2.150	2.213	2.678	2.541	1.986	1.986	1.649	1.858	70- 75	13.19	3092
80.0	1.275	1.266	1.667	1.530	1.138	1.138	0.838	0.938	75- 80	8.504	3100
85.0	0.501	0.401	0.720	0.610	0.401	0.446	0.228	0.355	80- 85	3.988	3104
90.0	0.328	0.210	0.346	0.219	0.210	0.319	0.210	0.319	85- 90	1.683	3106
95.0	0.319	0.210	0.319	0.210	0.219	0.310	0.219	0.301	90- 95	1.442	3108
100.0	0.310	0.219	0.301	0.219	0.219	0.301	0.219	0.301	95-100	1.410	3109
105.0	0.301	0.228	0.292	0.219	0.228	0.292	0.228	0.292	100-105	1.390	3110
110.0	0.310	0.237	0.301	0.237	0.237	0.292	0.237	0.292	105-110	1.383	3112
115.0	0.310	0.264	0.301	0.255	0.246	0.292	0.246	0.292	110-115	1.379	3113
120.0	0.328	0.292	0.319	0.273	0.264	0.301	0.273	0.301	115-120	1.395	3115
125.0	0.346	0.310	0.337	0.301	0.282	0.319	0.301	0.319	120-125	1.414	3116
130.0	0.383	0.346	0.355	0.337	0.328	0.346	0.337	0.355	125-130	1.453	3117
135.0	0.419	0.392	0.392	0.383	0.374	0.401	0.401	0.401	130-135	1.516	3119
140.0	0.492	0.474	0.456	0.446	0.456	0.474	0.501	0.492	135-140	1.629	3121
145.0	0.656	0.629	0.583	0.583	0.583	0.610	0.656	0.665	140-145	1.838	3122
150.0	1.047	1.011	0.911	0.902	0.902	0.938	1.002	1.038	145-150	2.379	3125
155.0	1.485	1.548	1.366	1.412	1.321	1.439	1.439	1.557	150-155	3.180	3128
160.0	1.785	2.004	1.694	1.904	1.658	1.922	1.740	1.995	155-160	3.591	3132
165.0	1.885	2.195	1.849	2.150	1.822	2.131	1.858	2.113	160-165	3.238	3135
170.0	1.913	2.059	1.904	2.095	1.867	1.986	1.858	1.885	165-170	2.351	3137
175.0	1.749	1.712	1.803	1.767	1.721	1.649	1.676	1.548	170-175	1.295	3138
180.0	1.603	1.494	1.603	1.485	1.594	1.503	1.603	1.485	175-180	0.382	3139
DEG	LUMINOUS INTENSITY: ;Á10cd								UNIT: lm		

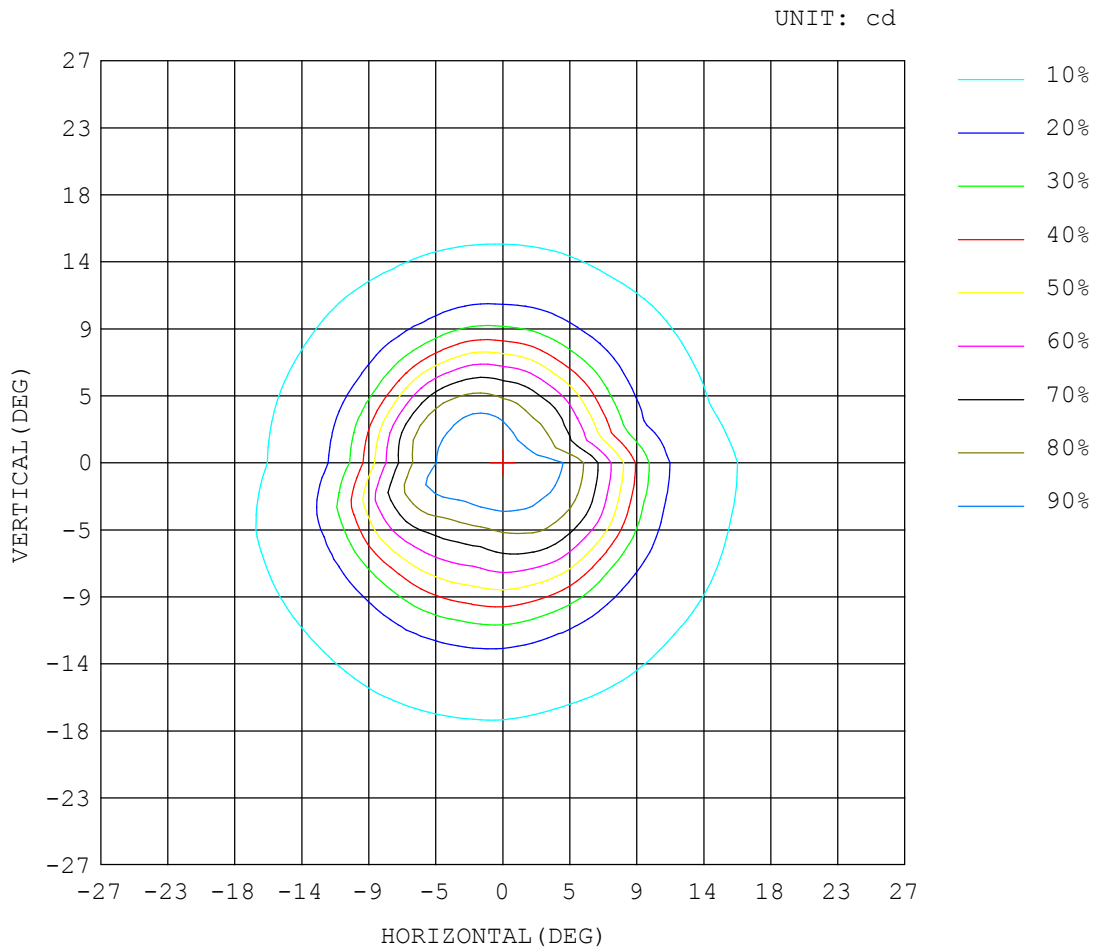
Test System: LSG-1600
 Temperature: 26.2 DEG
 Operators: FATMA KARA
 Test Date: 10-09-2014

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: Roll BeeHive Z515 CW 10D 40W 220VAC

ISOCANDELA DIAGRAM

Report number: 0000553

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: Roll BeeHive Z515 CW 10D 40W 220VAC	50Hz PEP2 ROMADOWN	WEIGHT:
SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591



Test System: LSG-1600
 Temperature: 26.2 DEG
 Operators: FATMA KARA
 Test Date: 10-09-2014

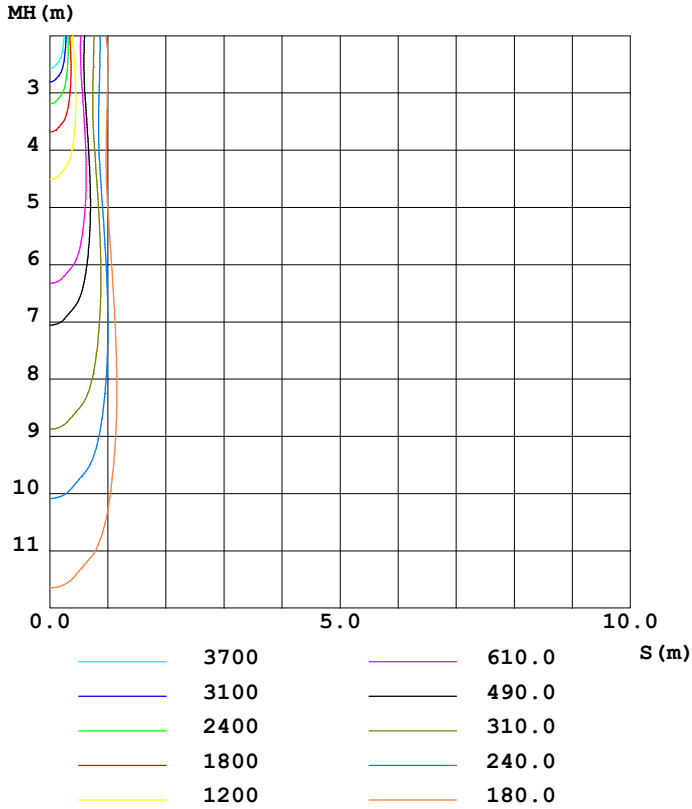
Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 51%
 Test Distance: 9.545 m
 Remarks: Roll BeeHive Z515 CW 10D 40W 220VAC

ISOLUX DIAGRAM

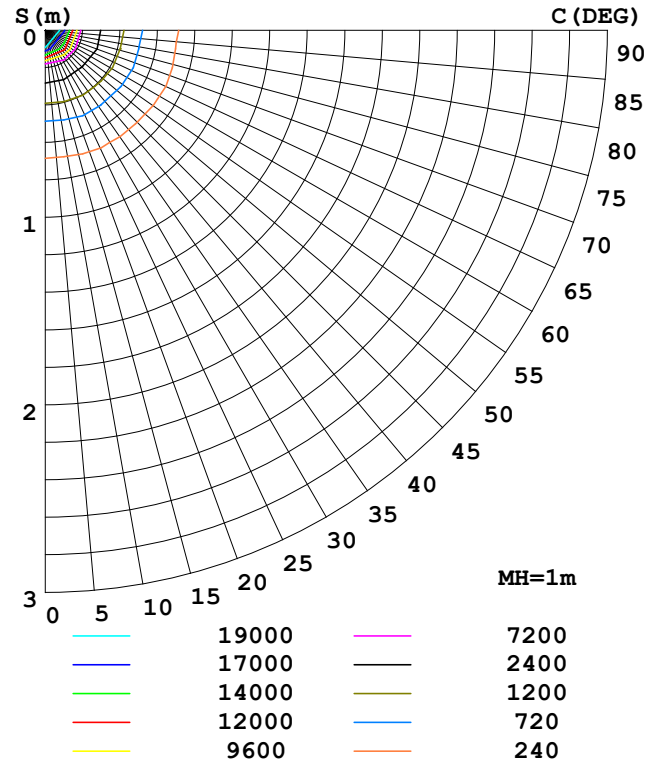
Report number: 0000553

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: Roll BeeHive Z515 CW 10D 40W 220VAC	50Hz PEP2 ROMADOWN	WEIGHT:
SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591

C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



PLANAR ISOLUX DIAGRAM (UNIT: lx)



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 Operators: FATMA KARA
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000553

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: Roll BeeHive Z515 CW 10D 40W 220VAC	50mm PEPPEROMADOWN	WEIGHT:
SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591

UNIT: $\text{lm}/\text{m}^2/\text{sr}$

C (DEG)																
γ (DEG)		0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0		2442	2440	2439	2434	2430	2422	2412	2402	2390	2383	2373	2377	2442	2440	2439
5.0		2051	2047	2044	2018	2004	1941	1900	1855	1909	1994	2172	2242	2142	2151	2124
10.0		691	689	744	759	834	862	913	922	985	1030	1141	1147	791	766	688
15.0		265	266	269	279	289	299	312	337	332	339	333	340	269	263	256
20.0		163	165	170	173	180	184	190	193	194	190	188	183	162	161	155
25.0		107	109	114	116	121	122	127	126	128	125	124	122	107	106	101
30.0		64.9	66.4	70.4	71.6	74.4	74.4	77.9	78.4	80.6	78.2	78.0	75.1	64.4	63.7	60.3
35.0		38.9	38.9	41.4	41.8	44.6	44.2	46.1	45.4	47.3	45.6	46.9	44.8	38.1	37.5	34.1
40.0		23.9	23.4	24.4	24.9	27.0	26.6	27.0	25.9	26.4	25.8	26.8	27.0	23.4	22.7	20.3
45.0		16.6	16.3	16.9	17.2	18.6	18.1	18.6	17.6	17.9	17.3	18.3	18.0	16.2	15.8	14.1
50.0		12.0	12.0	12.5	12.6	13.7	13.1	13.7	12.9	13.1	12.6	13.3	12.9	11.8	11.8	10.4
55.0		8.97	9.13	9.68	9.63	10.3	9.73	10.2	9.83	10.0	9.57	10.0	9.61	8.87	9.15	8.09
60.0		6.45	6.62	7.25	7.17	7.60	7.11	7.58	7.41	7.72	7.26	7.60	7.04	6.43	6.76	5.95
65.0		4.35	4.40	5.03	4.96	5.39	5.03	5.53	5.40	5.80	5.33	5.53	4.93	4.32	4.53	3.96
70.0		3.08	2.99	3.47	3.37	3.74	3.52	3.92	3.81	4.16	3.78	3.90	3.41	2.92	3.08	2.69
75.0		2.15	2.01	2.35	2.21	2.53	2.35	2.67	2.54	2.82	2.54	2.69	2.32	1.98	2.13	1.81
80.0		1.27	1.13	1.41	1.26	1.55	1.39	1.66	1.52	1.76	1.53	1.72	1.43	1.13	1.26	0.98
85.0		0.50	0.36	0.52	0.40	0.62	0.50	0.72	0.56	0.77	0.61	0.78	0.57	0.40	0.51	0.31
90.0		0.33	0.21	0.34	0.21	0.35	0.22	0.35	0.22	0.36	0.22	0.36	0.23	0.21	0.34	0.21
95.0		0.32	0.22	0.32	0.21	0.31	0.21	0.32	0.21	0.32	0.21	0.32	0.21	0.22	0.31	0.21
100.0		0.31	0.23	0.31	0.22	0.30	0.22	0.30	0.22	0.30	0.22	0.30	0.22	0.22	0.30	0.22
105.0		0.30	0.24	0.30	0.23	0.30	0.23	0.29	0.23	0.29	0.22	0.29	0.23	0.23	0.29	0.23
110.0		0.31	0.26	0.30	0.24	0.30	0.25	0.30	0.25	0.30	0.24	0.30	0.24	0.24	0.30	0.24
115.0		0.31	0.26	0.31	0.26	0.31	0.26	0.30	0.26	0.30	0.26	0.31	0.26	0.25	0.29	0.25
120.0		0.33	0.29	0.33	0.29	0.32	0.28	0.32	0.27	0.32	0.27	0.32	0.28	0.26	0.30	0.27
125.0		0.35	0.33	0.34	0.31	0.34	0.31	0.34	0.31	0.33	0.30	0.33	0.31	0.28	0.32	0.30
130.0		0.38	0.36	0.36	0.35	0.36	0.35	0.36	0.34	0.36	0.34	0.36	0.34	0.33	0.35	0.34
135.0		0.42	0.41	0.41	0.39	0.40	0.38	0.39	0.38	0.39	0.38	0.39	0.38	0.37	0.39	0.39
140.0		0.49	0.49	0.48	0.47	0.46	0.46	0.46	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.47
145.0		0.66	0.67	0.63	0.63	0.60	0.60	0.58	0.59	0.57	0.58	0.57	0.59	0.58	0.58	0.61
150.0		1.04	1.05	1.02	1.01	0.97	0.96	0.91	0.92	0.88	0.90	0.87	0.89	0.90	0.90	0.95
155.0		1.48	1.55	1.53	1.54	1.48	1.46	1.36	1.41	1.39	1.41	1.37	1.39	1.32	1.35	1.43
160.0		1.78	1.87	1.97	2.00	1.94	1.83	1.69	1.78	1.86	1.90	1.86	1.80	1.65	1.74	1.90
165.0		1.88	1.95	2.12	2.19	2.12	1.94	1.84	1.92	2.08	2.15	2.11	1.96	1.82	1.89	2.06
170.0		1.91	1.93	2.01	2.05	2.01	1.92	1.90	1.94	2.03	2.09	2.07	1.95	1.86	1.88	1.94
175.0		1.74	1.72	1.73	1.71	1.74	1.74	1.80	1.78	1.78	1.76	1.78	1.76	1.72	1.68	1.65
180.0		1.60	1.55	1.52	1.49	1.51	1.53	1.60	1.55	1.52	1.48	1.50	1.53	1.59	1.55	1.52

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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000553

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
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SPECIFICATION: CROMADOWN RB300	DIMENSION: Ø200	SERIAL No.: 20333591

UNIT: $\text{lm}/\text{m}^2/\text{sr}$

C (DEG)	225	240	255	270	285	300	315	330	345
γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	2434	2430	2422	2412	2402	2390	2383	2373	2377
5.0	2088	2008	1925	1827	1799	1740	1728	1676	1673
10.0	662	610	603	563	557	525	514	483	472
15.0	252	242	240	233	231	226	229	227	228
20.0	153	147	144	139	138	136	139	139	143
25.0	99.4	93.8	92.5	88.3	88.8	87.2	89.9	88.8	91.9
30.0	59.4	56.1	55.7	53.3	53.9	52.6	54.0	53.3	55.6
35.0	34.0	32.6	33.0	31.3	31.0	28.9	30.0	30.5	32.8
40.0	20.6	19.8	20.6	19.0	19.2	17.5	18.6	18.6	20.5
45.0	14.4	13.9	14.3	13.3	13.4	12.3	13.1	13.1	14.3
50.0	10.6	10.2	10.4	9.58	9.83	9.01	9.72	9.46	10.4
55.0	8.29	7.70	7.73	7.01	7.36	6.82	7.37	7.01	7.67
60.0	6.10	5.50	5.59	5.03	5.40	5.09	5.45	5.05	5.50
65.0	4.09	3.59	3.81	3.46	3.81	3.59	3.89	3.52	3.86
70.0	2.86	2.51	2.72	2.45	2.72	2.49	2.75	2.48	2.73
75.0	1.98	1.70	1.88	1.64	1.87	1.65	1.85	1.63	1.85
80.0	1.13	0.91	1.04	0.84	0.99	0.77	0.94	0.76	0.96
85.0	0.45	0.26	0.39	0.23	0.36	0.22	0.36	0.22	0.36
90.0	0.32	0.21	0.32	0.21	0.32	0.21	0.32	0.20	0.32
95.0	0.31	0.21	0.31	0.22	0.30	0.21	0.30	0.22	0.30
100.0	0.30	0.22	0.29	0.22	0.29	0.22	0.30	0.22	0.29
105.0	0.29	0.23	0.29	0.23	0.29	0.23	0.29	0.23	0.29
110.0	0.29	0.24	0.29	0.24	0.29	0.24	0.29	0.24	0.28
115.0	0.29	0.25	0.29	0.25	0.29	0.25	0.29	0.26	0.29
120.0	0.30	0.26	0.30	0.27	0.30	0.27	0.30	0.27	0.30
125.0	0.32	0.29	0.32	0.30	0.32	0.30	0.32	0.29	0.32
130.0	0.35	0.34	0.36	0.34	0.36	0.34	0.36	0.34	0.36
135.0	0.40	0.39	0.41	0.40	0.41	0.40	0.40	0.40	0.40
140.0	0.47	0.49	0.49	0.50	0.49	0.50	0.49	0.49	0.48
145.0	0.61	0.65	0.63	0.66	0.66	0.68	0.67	0.68	0.66
150.0	0.94	0.98	0.97	1.00	1.00	1.04	1.03	1.06	1.03
155.0	1.43	1.49	1.45	1.43	1.46	1.57	1.55	1.59	1.50
160.0	1.92	1.96	1.82	1.74	1.77	1.97	1.99	1.99	1.83
165.0	2.13	2.10	1.94	1.85	1.87	2.03	2.11	2.05	1.91
170.0	1.98	1.93	1.87	1.85	1.82	1.84	1.88	1.84	1.81
175.0	1.64	1.63	1.65	1.67	1.62	1.56	1.54	1.54	1.58
180.0	1.50	1.50	1.53	1.60	1.54	1.51	1.48	1.49	1.53

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Operators: FATMA KARA
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Remarks: Roll BeeHive Z515 CW 10D 40W 220VAC