

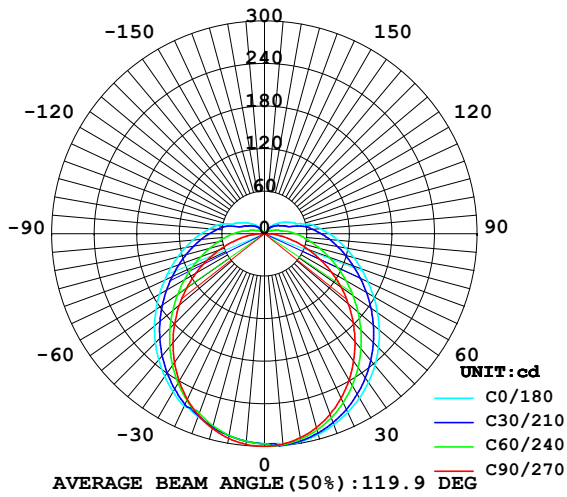
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000066

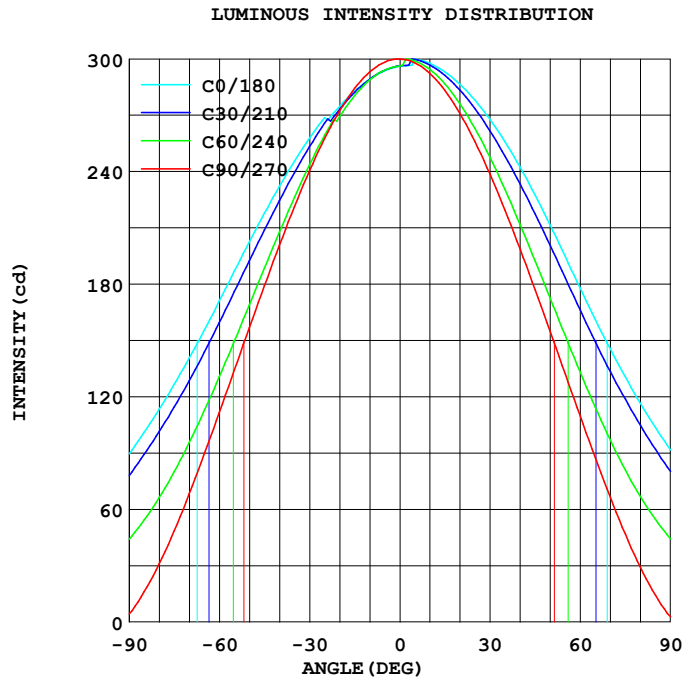
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 T180 CW 120D 14.4W 220V AC I	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:

TEST DATA:					
MODEL:	LLB33	Imax (cd) :	299.8	η street_up (%) :	5.5
NOMINAL POWER (W) :	14.4	MAXIMUM (C, γ :	45,0.0	η street_down (%) :	46.8
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	1089	η house_up (%) :	5.6
NOMINAL FLUX (lm) :	1089.2	EFFICIENCY (%) :	100.0	η house_down (%) :	42.1
TEST FLUX (lm:	1089	η up (%) :	11.1		
LAMPS QUANTITY:	1	η down (%) :	88.9		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:220.8V I:0.189A P:14.40W PF:0.554

Test System:LSG-1600
Temperature:23.8DEG
Operators:REGAIP DASTAN
Test Date:03-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLB33 T180 CW 120D 14.4W 220V AC II

ZONAL FLUX DIAGRAM

Report number: 2016000066

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 T180 CW 120D 14.4W 220V AC I	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	293.4	297.2	298.0	298.5	299.6	295.3	297.6	297.1	0- 5	7.117	7.117
10.0	288.9	291.9	292.8	294.7	297.3	291.9	291.9	292.0	5- 10	21.07	28.19
15.0	282.6	283.7	284.0	287.8	292.8	285.8	282.9	284.1	10- 15	34.22	62.41
20.0	274.5	273.3	272.1	278.1	286.2	276.8	270.6	273.8	15- 20	46.10	108.5
25.0	268.4	260.7	257.4	266.1	277.7	268.9	255.7	261.5	20- 25	56.40	164.9
30.0	257.5	246.3	240.2	251.9	267.5	256.1	238.4	247.2	25- 30	64.81	229.7
35.0	245.3	230.6	221.1	235.8	255.5	241.0	219.1	231.7	30- 35	71.05	300.7
40.0	232.0	214.0	200.7	218.8	242.1	224.7	198.6	215.4	35- 40	75.04	375.8
45.0	217.6	196.6	179.0	200.7	227.2	207.4	176.8	198.2	40- 45	76.81	452.6
50.0	202.4	178.7	156.7	182.2	211.1	189.5	154.6	180.7	45- 50	76.48	529.1
55.0	186.7	161.1	134.2	163.7	194.6	171.4	132.1	163.4	50- 55	74.23	603.3
60.0	170.9	143.7	111.6	145.4	177.6	153.4	109.6	146.2	55- 60	70.33	673.7
65.0	155.2	127.2	89.46	128.1	160.8	135.9	87.46	129.5	60- 65	65.12	738.8
70.0	140.5	111.4	68.33	111.8	145.4	119.5	66.41	113.8	65- 70	59.04	797.8
75.0	126.4	97.02	48.46	97.02	130.4	104.4	46.73	99.21	70- 75	52.48	850.3
80.0	113.1	84.00	30.88	83.81	116.2	90.56	29.06	85.91	75- 80	45.79	896.1
85.0	101.0	72.06	16.03	71.79	103.5	78.16	14.30	73.97	80- 85	39.32	935.4
90.0	89.46	61.31	4.373	61.13	91.65	66.87	2.733	63.04	85- 90	33.32	968.8
95.0	78.44	51.56	3.644	51.38	80.26	56.57	2.368	53.20	90- 95	28.08	996.8
100.0	68.33	40.72	3.462	39.26	69.97	44.55	2.459	41.90	95-100	23.18	1020
105.0	54.48	30.97	3.370	31.43	54.48	35.16	2.550	31.97	100-105	18.02	1038
110.0	43.64	23.14	3.370	24.41	44.82	26.87	2.642	25.05	105-110	12.99	1051
115.0	37.17	18.03	3.279	17.40	38.53	20.31	2.733	18.40	110-115	10.33	1061
120.0	31.34	14.94	3.279	15.30	32.70	17.12	2.824	15.48	115-120	8.388	1070
125.0	25.87	12.75	3.279	13.21	27.24	14.75	2.915	13.21	120-125	6.822	1077
130.0	21.13	10.56	3.279	10.38	22.41	12.02	3.006	10.75	125-130	5.399	1082
135.0	16.94	8.381	3.370	8.472	18.13	9.566	3.097	8.472	130-135	4.118	1086
140.0	12.66	6.468	3.370	6.559	13.84	7.379	3.188	6.468	135-140	3.003	1089
145.0	0	0	0	0	0	0	0	0	140-145	0	1089
150.0	0	0	0	0	0	0	0	0	145-150	0	1089
155.0	0	0	0	0	0	0	0	0	150-155	0	1089
160.0	0	0	0	0	0	0	0	0	155-160	0	1089
165.0	0	0	0	0	0	0	0	0	160-165	0	1089
170.0	0	0	0	0	0	0	0	0	165-170	0	1089
175.0	0	0	0	0	0	0	0	0	170-175	0	1089
180.0	0	0	0	0	0	0	0	0	175-180	0	1089
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

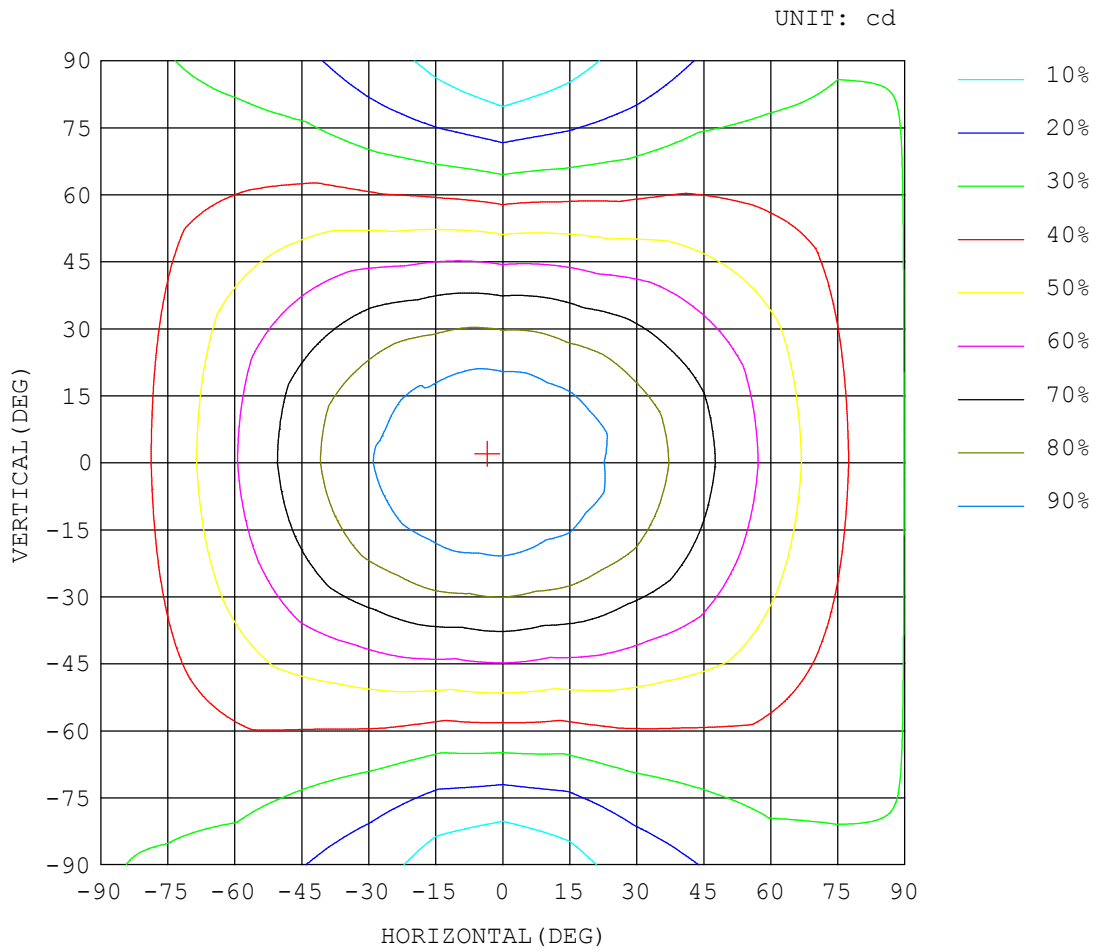
Test System:LSG-1600
Temperature:23.8DEG
Operators:REGAIP DASTAN
Test Date:03-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLB33 T180 CW 120D 14.4W 220V AC II

ISOCANDELA DIAGRAM

Report number: 2016000066

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLB33 T180 CW 120D 14.4W 220V AC I	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:



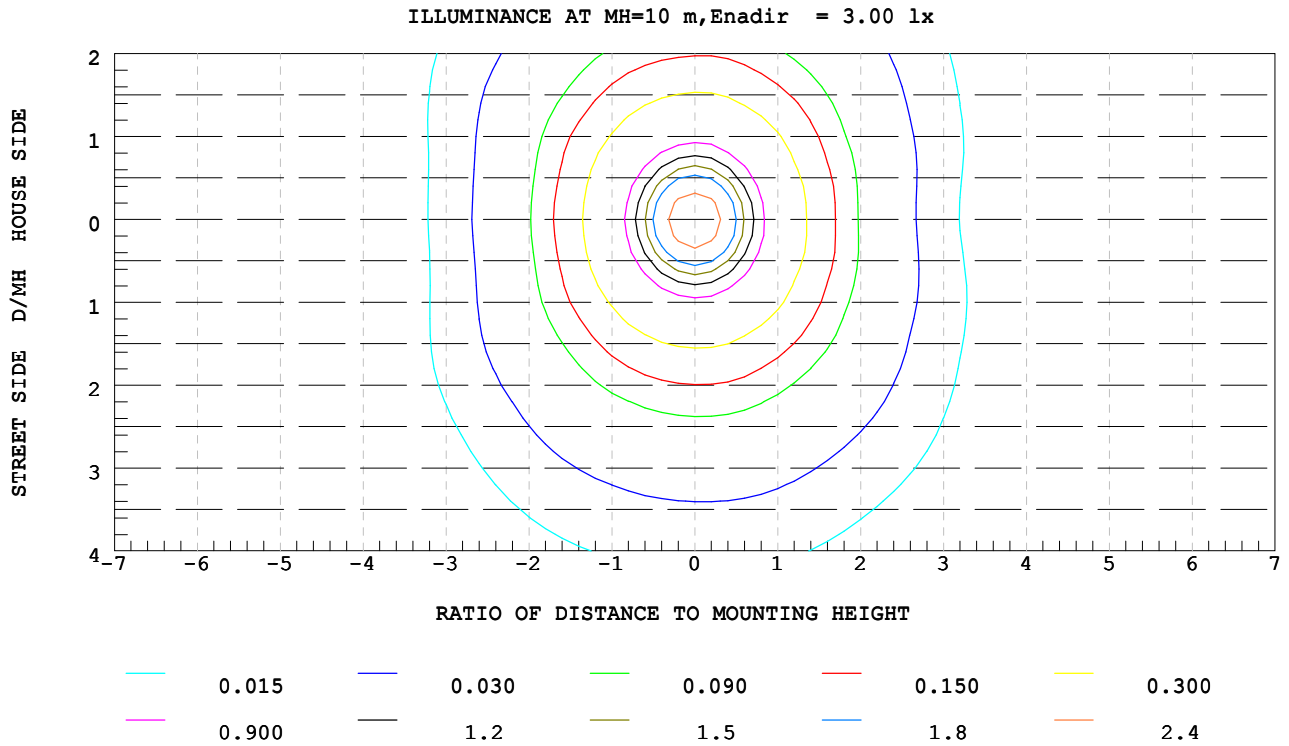
Test System: LSG-1600
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ISOLUX DIAGRAM

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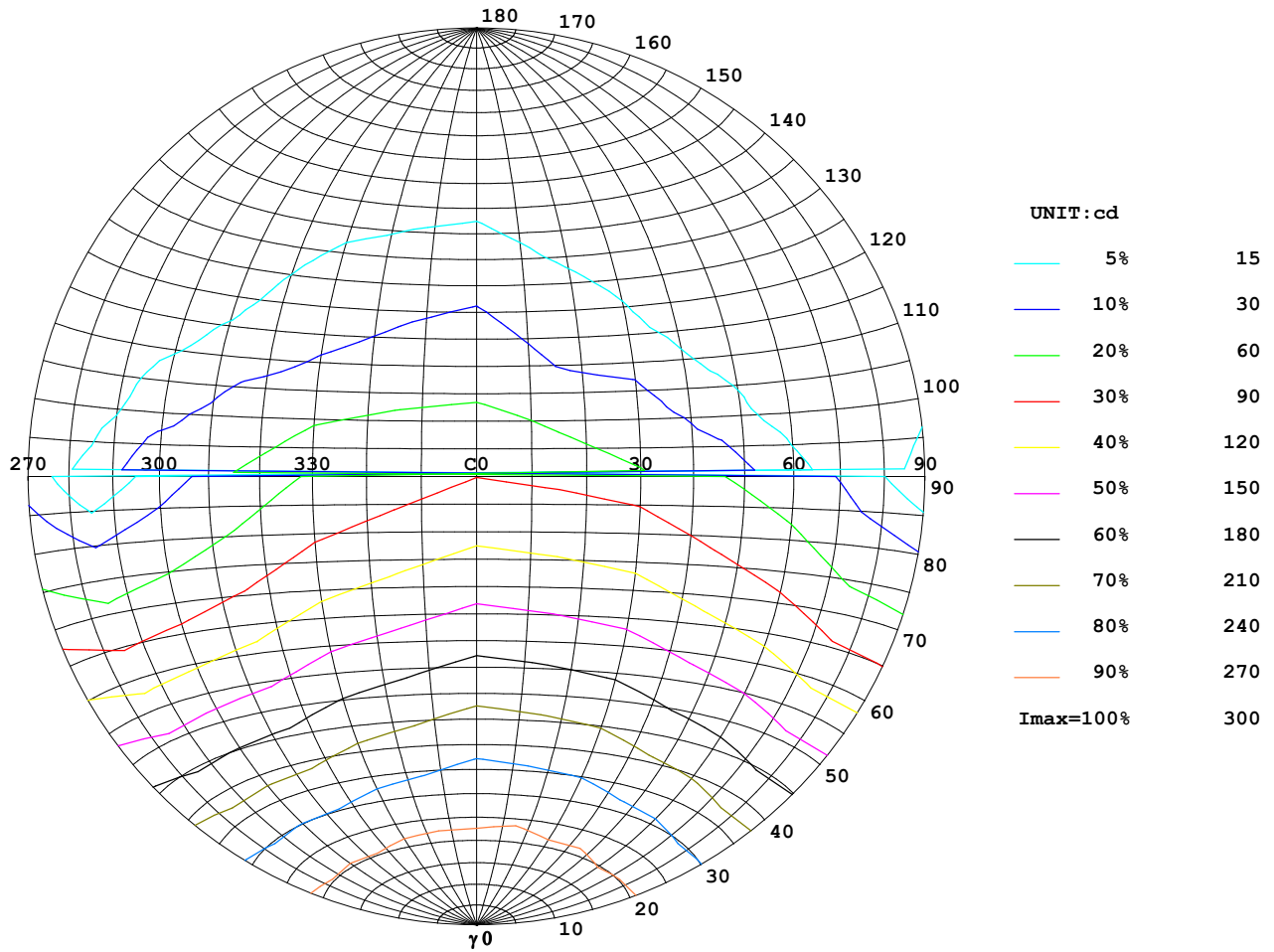
Test System: LSG-1600
 Temperature: 23.8 DEG
 Operators: REGAIP DASTAN
 Test Date: 03-05-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
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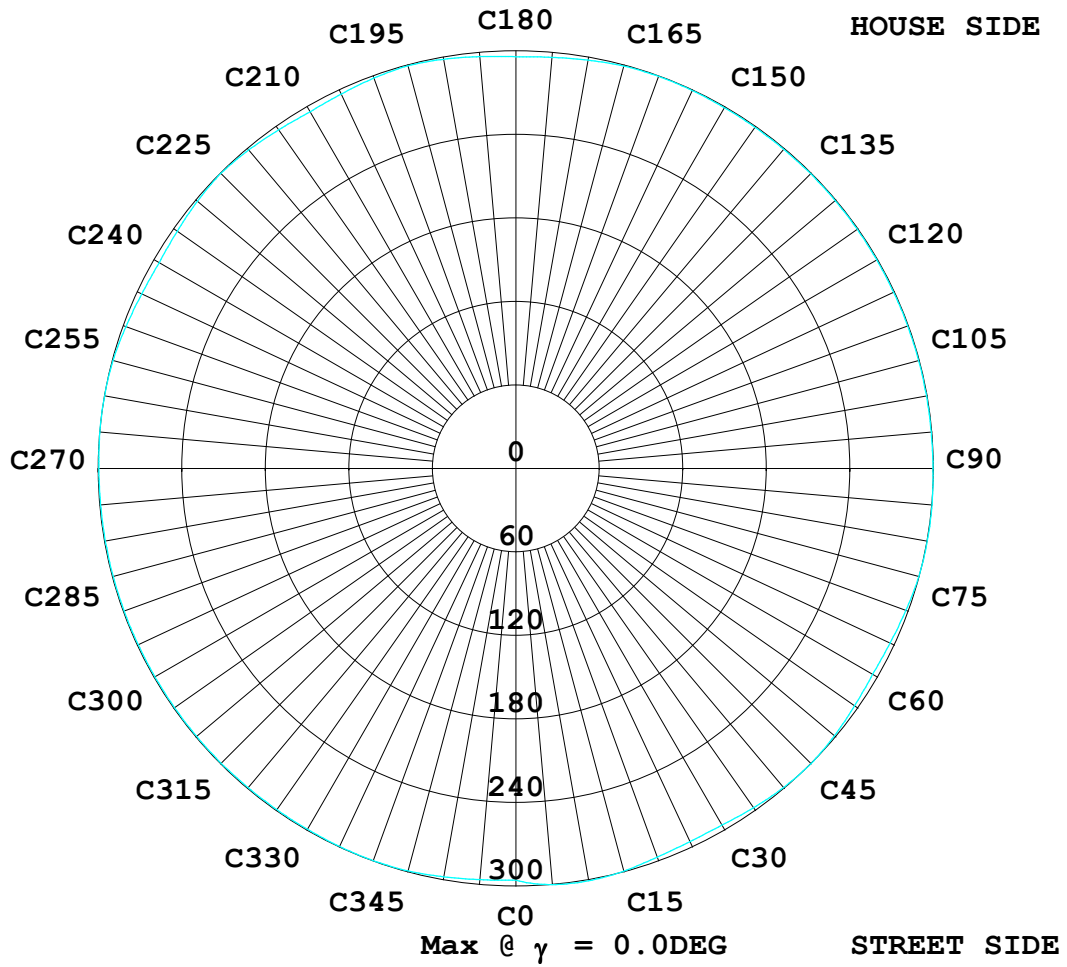
Test System: LSG-1600
Temperature: 23.8 DEG
Operators: REGAIP DASTAN
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NAME: LLB33 T180 CW 120D 14.4W 220V AC I	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:



Test System:LSG-1600
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000066

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 T180 CW 120D 14.4W 220V AC I	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	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	296	300	296	300	296	300	300	300	299	299	299	299	296	300	296
5.0	293	297	294	297	294	297	298	298	299	299	299	299	300	296	299
10.0	289	292	289	292	289	292	293	293	294	295	296	296	297	294	296
15.0	283	285	282	284	280	283	284	284	287	288	290	291	293	289	291
20.0	275	277	273	273	269	270	272	272	276	278	283	284	286	283	283
25.0	268	267	266	261	259	256	257	257	263	266	272	275	278	274	273
30.0	258	255	253	246	243	238	240	240	247	252	260	264	268	267	261
35.0	245	242	239	231	226	219	221	221	230	236	246	251	256	255	248
40.0	232	228	224	214	208	199	201	201	211	219	231	237	242	242	233
45.0	218	213	209	197	188	178	179	179	191	201	215	222	227	227	217
50.0	202	198	192	179	169	157	157	157	171	182	198	206	211	211	200
55.0	187	182	176	161	150	135	134	135	151	164	181	189	195	194	183
60.0	171	166	159	144	131	114	112	114	131	145	163	172	178	177	166
65.0	155	150	144	127	113	93.5	89.4	92.7	112	128	147	155	161	161	149
70.0	141	135	128	111	95.5	74.3	68.3	73.0	94.5	112	131	140	145	145	133
75.0	126	121	114	97.0	79.9	56.8	48.4	55.1	78.5	97.0	116	125	130	130	119
80.0	113	108	101	84.0	66.1	42.0	30.8	39.8	64.5	83.8	103	112	116	116	105
85.0	101	96.0	89.2	72.0	54.2	29.7	16.0	27.4	52.6	71.7	90.5	98.7	104	103	91.9
90.0	89.4	84.6	77.9	61.3	44.0	20.6	4.37	18.5	42.5	61.1	79.0	87.0	91.6	91.1	80.1
95.0	78.4	73.7	67.4	51.5	35.2	14.3	3.64	12.7	33.9	51.3	68.4	75.8	80.2	79.7	69.1
100.0	68.3	63.8	57.8	40.7	23.6	9.56	3.46	8.56	23.4	39.2	58.7	65.9	69.9	69.3	59.3
105.0	54.4	49.7	37.7	30.9	20.0	7.28	3.37	6.37	18.9	31.4	41.4	50.9	54.4	53.9	40.4
110.0	43.6	36.1	31.3	23.1	14.1	5.55	3.37	4.82	14.0	24.4	32.2	36.5	44.8	39.6	31.7
115.0	37.1	31.9	26.4	18.0	11.1	4.09	3.27	3.64	11.4	17.4	27.2	32.7	38.5	35.4	26.9
120.0	31.3	27.5	22.7	14.9	9.56	3.27	3.27	3.00	9.20	15.3	23.5	28.5	32.7	30.7	23.5
125.0	25.8	23.0	19.4	12.7	7.74	3.00	3.27	2.91	7.65	13.2	20.1	24.2	27.2	25.9	20.1
130.0	21.1	19.0	16.2	10.5	6.28	3.18	3.27	3.00	6.10	10.3	16.7	20.2	22.4	21.5	16.7
135.0	16.9	15.3	12.9	8.38	4.73	3.18	3.37	3.09	4.82	8.47	13.2	15.8	18.1	16.9	13.3
140.0	12.6	11.5	9.93	6.46	3.73	3.27	3.37	3.18	3.73	6.55	10.5	12.2	13.8	13.0	10.4
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:LSG-1600
Temperature:23.8DEG
Operators:REGAIP DASTAN
Test Date:03-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
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Remarks: LLB33 T180 CW 120D 14.4W 220V AC II

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000066

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 T180 CW 120D 14.4W 220V AC I	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	300	296	300	300	300	299	299	299	299
5.0	295	299	298	298	298	297	297	297	297
10.0	292	294	294	292	292	291	292	292	293
15.0	286	286	285	283	283	282	284	284	286
20.0	277	276	274	271	271	271	274	275	278
25.0	269	263	260	256	257	257	262	264	268
30.0	256	247	244	238	240	241	247	251	257
35.0	241	230	225	219	221	223	232	237	244
40.0	225	212	205	199	202	204	215	222	231
45.0	207	192	185	177	181	185	198	207	216
50.0	190	172	163	155	159	166	181	191	201
55.0	171	153	142	132	138	146	163	174	185
60.0	153	133	120	110	117	127	146	158	169
65.0	136	114	99.1	87.4	96.2	109	130	142	154
70.0	120	96.9	79.5	66.4	76.8	92.3	114	127	139
75.0	104	80.8	61.4	46.7	58.9	76.7	99.2	113	125
80.0	90.5	66.6	45.5	29.0	43.2	62.8	85.9	99.6	111
85.0	78.1	54.6	32.7	14.3	30.6	51.1	73.9	87.5	99.1
90.0	66.8	44.2	23.1	2.73	21.1	40.9	63.0	76.1	87.4
95.0	56.5	35.3	16.3	2.36	14.5	32.4	53.2	65.5	76.4
100.0	44.5	24.1	11.2	2.45	9.93	21.2	41.9	56.0	66.3
105.0	35.1	19.6	8.74	2.55	7.56	17.8	31.9	38.0	52.2
110.0	26.8	14.6	6.55	2.64	5.55	12.5	25.0	29.7	36.8
115.0	20.3	11.2	4.82	2.73	4.28	10.0	18.4	24.9	32.7
120.0	17.1	9.56	3.91	2.82	3.55	8.29	15.4	21.3	28.3
125.0	14.7	7.74	3.46	2.91	3.37	6.55	13.2	18.1	23.8
130.0	12.0	6.19	3.46	3.00	3.37	5.19	10.7	15.1	19.7
135.0	9.56	4.82	3.37	3.09	3.37	4.09	8.47	11.9	15.9
140.0	7.37	3.82	3.37	3.18	3.37	3.27	6.46	9.20	11.9
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Test Date:03-05-2016

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Remarks: LLB33 T180 CW 120D 14.4W 220V AC II