

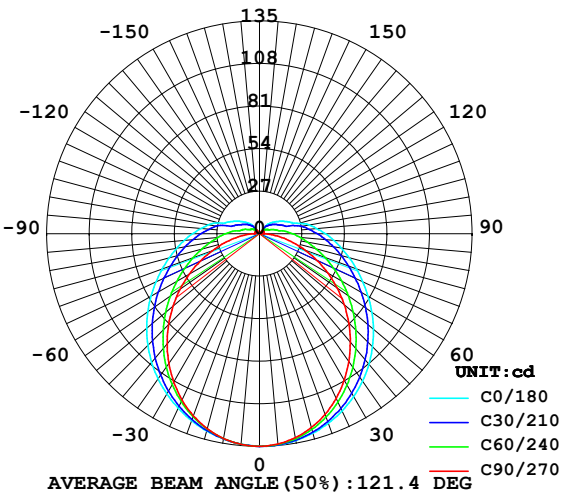
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000067

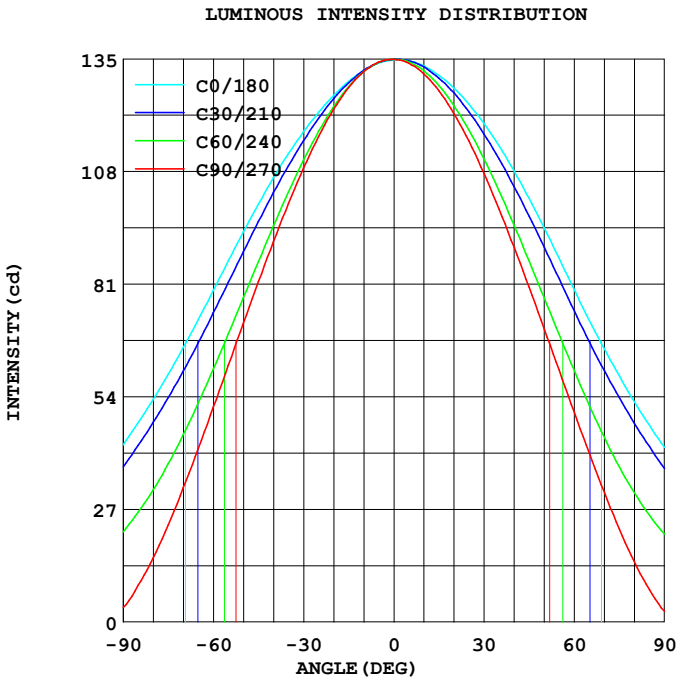
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:

TEST DATA:					
MODEL:	LLB33	Imax (cd) :	135.0	$\eta$ street_up (%) :	6.2
NOMINAL POWER (W) :	7.2	MAXIMUM (C, $\gamma$ :	150,1.0	$\eta$ street_down (%) :	46.7
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	503.6	$\eta$ house_up (%) :	6.0
NOMINAL FLUX (lm) :	503.7	EFFICIENCY (%) :	100.0	$\eta$ house_down (%) :	41.2
TEST FLUX (lm:	503.6	$\eta$ up (%) :	12.1		
LAMPS QUANTITY:	1	$\eta$ down (%) :	87.9		

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS



Test:U:220.6V I:0.119A P:7.200W PF:0.513

Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.545 m  
Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP4

## ZONAL FLUX DIAGRAM

Report number: 2016000067

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44	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	133.9	133.8	134.2	134.2	134.4	134.5	133.9	134.2	0- 5	3.214	3.214
10.0	132.1	131.5	131.9	132.3	133.2	133.0	131.2	132.1	5- 10	9.516	12.73
15.0	129.5	128.0	128.0	129.1	131.0	130.1	127.2	128.8	10- 15	15.45	28.18
20.0	126.1	123.5	122.9	124.8	127.9	126.0	121.8	124.3	15- 20	20.84	49.03
25.0	122.1	118.0	116.3	119.3	124.0	121.1	115.2	119.1	20- 25	25.49	74.52
30.0	117.5	111.7	108.7	112.8	119.4	115.2	107.5	112.9	25- 30	29.28	103.8
35.0	112.2	104.8	100.3	105.7	114.0	108.5	98.94	106.1	30- 35	32.13	135.9
40.0	106.5	97.48	91.19	98.12	108.1	101.3	89.83	98.94	35- 40	33.99	169.9
45.0	100.1	89.74	81.54	90.10	101.4	93.65	80.17	91.38	40- 45	34.85	204.7
50.0	93.47	81.90	71.61	81.81	94.38	85.73	70.24	83.54	45- 50	34.78	239.5
55.0	86.55	73.97	61.58	73.61	87.09	77.71	60.31	75.80	50- 55	33.84	273.4
60.0	79.44	66.23	51.47	65.50	79.62	69.69	50.29	68.05	55- 60	32.15	305.5
65.0	72.43	58.76	41.54	57.76	72.24	62.04	40.45	60.67	60- 65	29.88	335.4
70.0	65.77	51.74	32.16	50.65	65.50	54.75	31.06	53.47	65- 70	27.21	362.6
75.0	59.31	45.28	23.23	44.09	58.94	48.10	22.23	46.92	70- 75	24.30	386.9
80.0	53.29	39.35	15.30	38.26	52.75	41.90	14.39	40.90	75- 80	21.33	408.3
85.0	47.74	33.98	8.746	32.98	47.10	36.35	7.744	35.44	80- 85	18.45	426.7
90.0	42.45	29.15	3.462	28.24	41.81	31.34	2.550	30.42	85- 90	15.76	442.5
95.0	37.44	24.78	3.188	23.87	36.80	26.69	2.277	25.96	90- 95	13.40	455.9
100.0	32.88	19.86	3.006	18.67	32.25	21.59	2.368	21.04	95-100	11.20	467.1
105.0	26.69	15.57	3.006	15.21	25.60	17.31	2.368	16.49	100-105	8.909	476.0
110.0	21.68	11.75	2.915	11.84	21.31	13.21	2.368	12.84	105-110	6.620	482.6
115.0	18.67	9.657	2.915	9.110	18.58	10.75	2.550	10.20	110-115	5.408	488.0
120.0	15.94	8.199	2.824	8.108	15.94	9.292	2.550	8.746	115-120	4.499	492.5
125.0	13.48	7.197	2.824	7.197	13.48	8.108	2.642	7.652	120-125	3.742	496.3
130.0	11.20	6.195	2.824	5.921	11.38	6.833	2.642	6.468	125-130	3.052	499.3
135.0	9.292	5.193	2.824	5.101	9.566	5.739	2.642	5.375	130-135	2.423	501.8
140.0	7.288	4.282	2.824	4.190	7.652	4.737	2.733	4.373	135-140	1.869	503.6
145.0	0	0	0	0	0	0	0	0	140-145	0	503.6
150.0	0	0	0	0	0	0	0	0	145-150	0	503.6
155.0	0	0	0	0	0	0	0	0	150-155	0	503.6
160.0	0	0	0	0	0	0	0	0	155-160	0	503.6
165.0	0	0	0	0	0	0	0	0	160-165	0	503.6
170.0	0	0	0	0	0	0	0	0	165-170	0	503.6
175.0	0	0	0	0	0	0	0	0	170-175	0	503.6
180.0	0	0	0	0	0	0	0	0	175-180	0	503.6
DEG	LUMINOUS INTENSITY:cd									UNIT: lm	

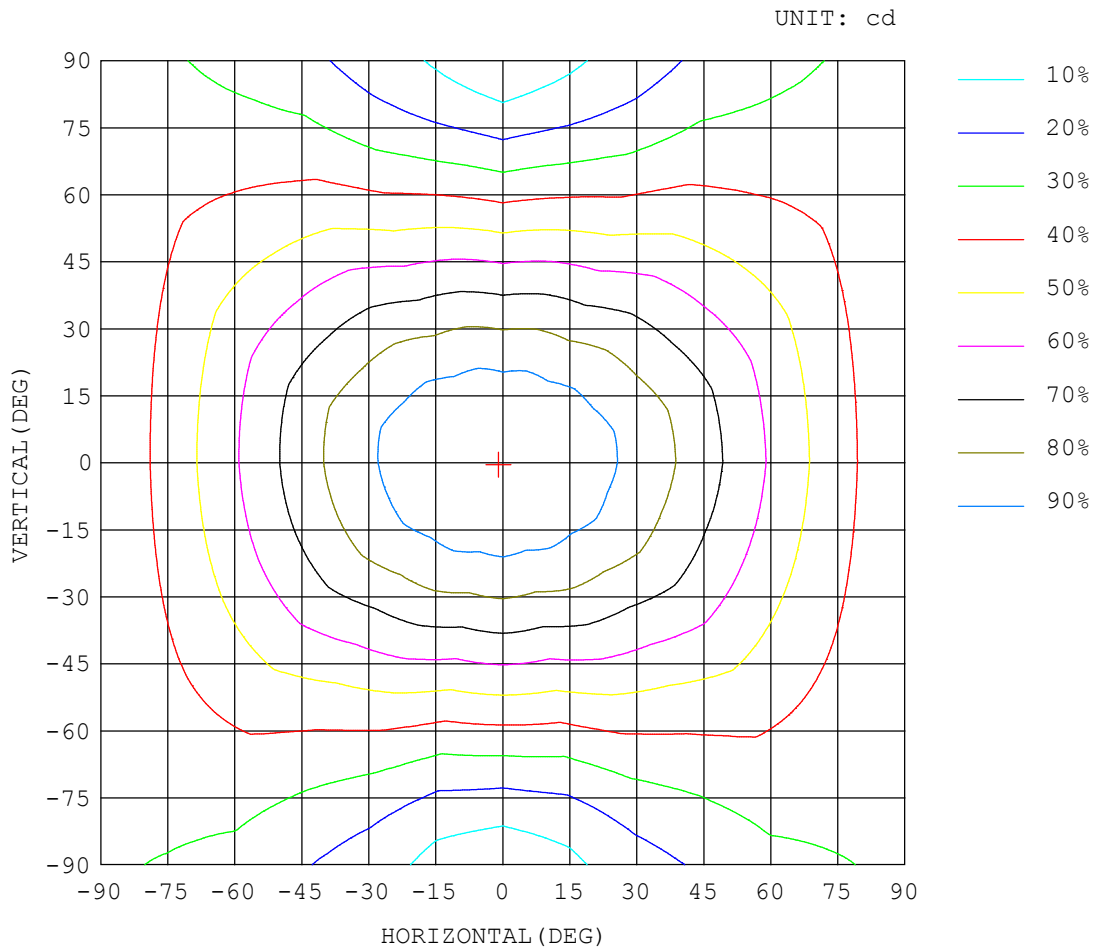
Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.545 m  
Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP4

## ISOCANDELA DIAGRAM

Report number: 2016000067

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:



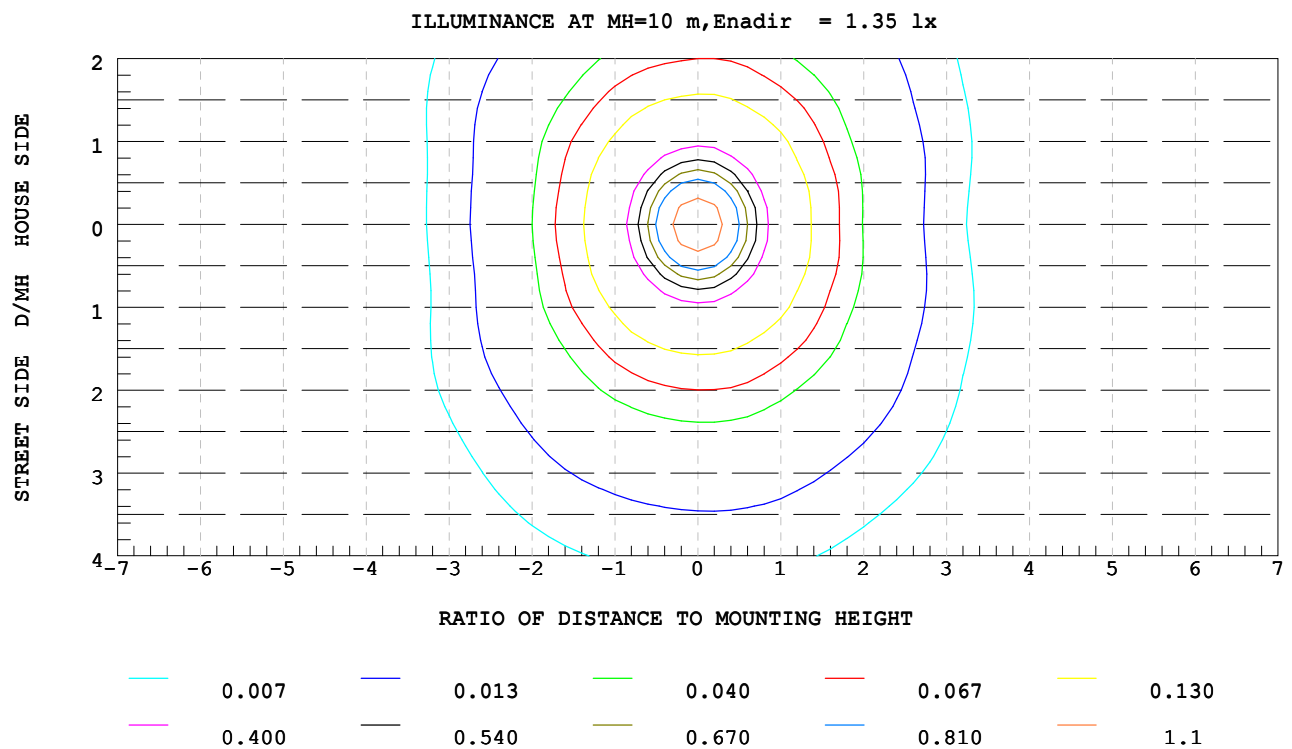
Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.545 m  
Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP4

## ISOLUX DIAGRAM

Report number: 2016000067

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:



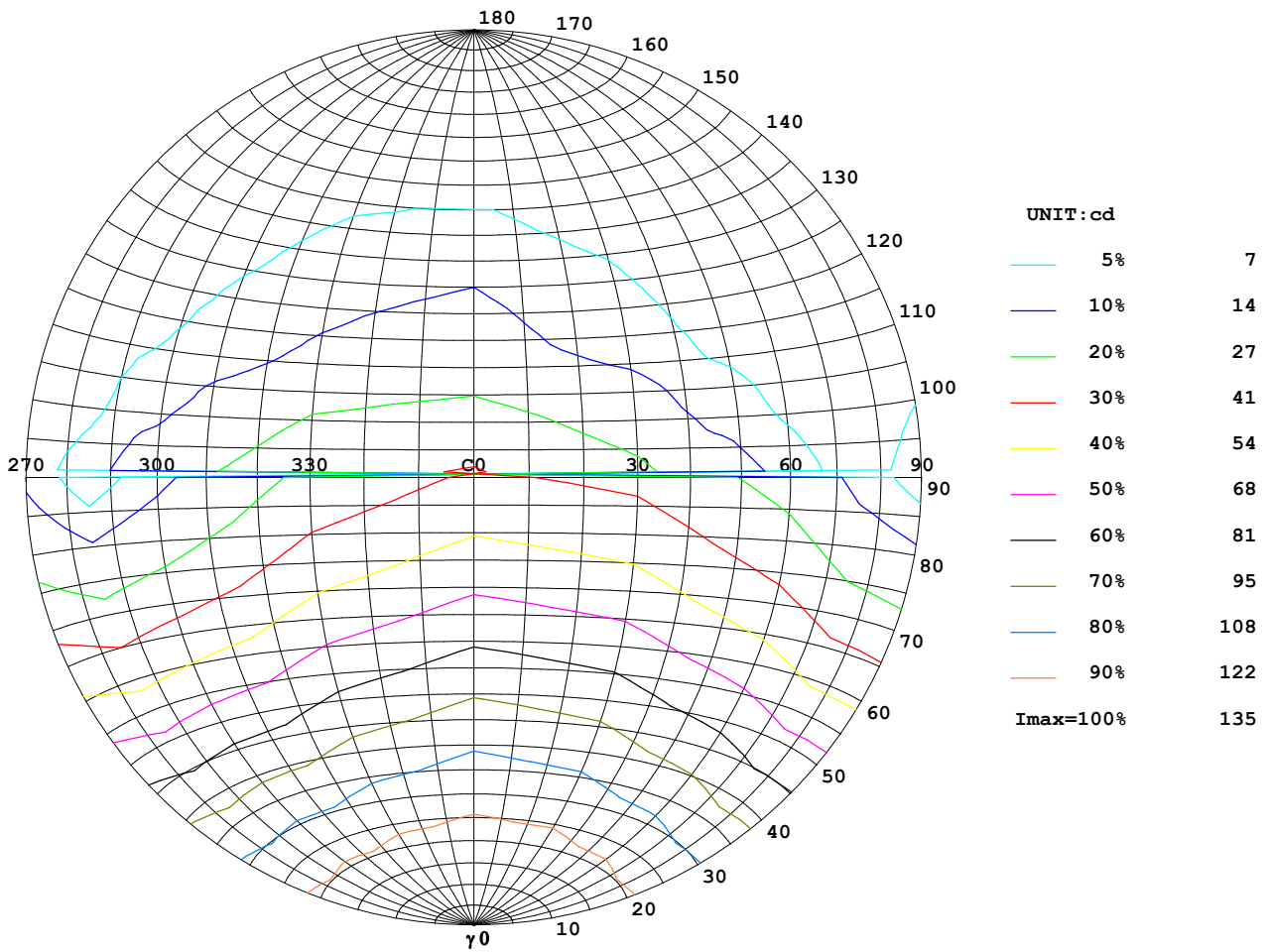
Test System: LSG-1600  
Temperature: 25.3 DEG  
Operators: REGAIP DASTAN  
Test Date: 03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 9.545 m  
Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP44

ISOCANDELA DIAGRAM

Report number: 2016000067

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:



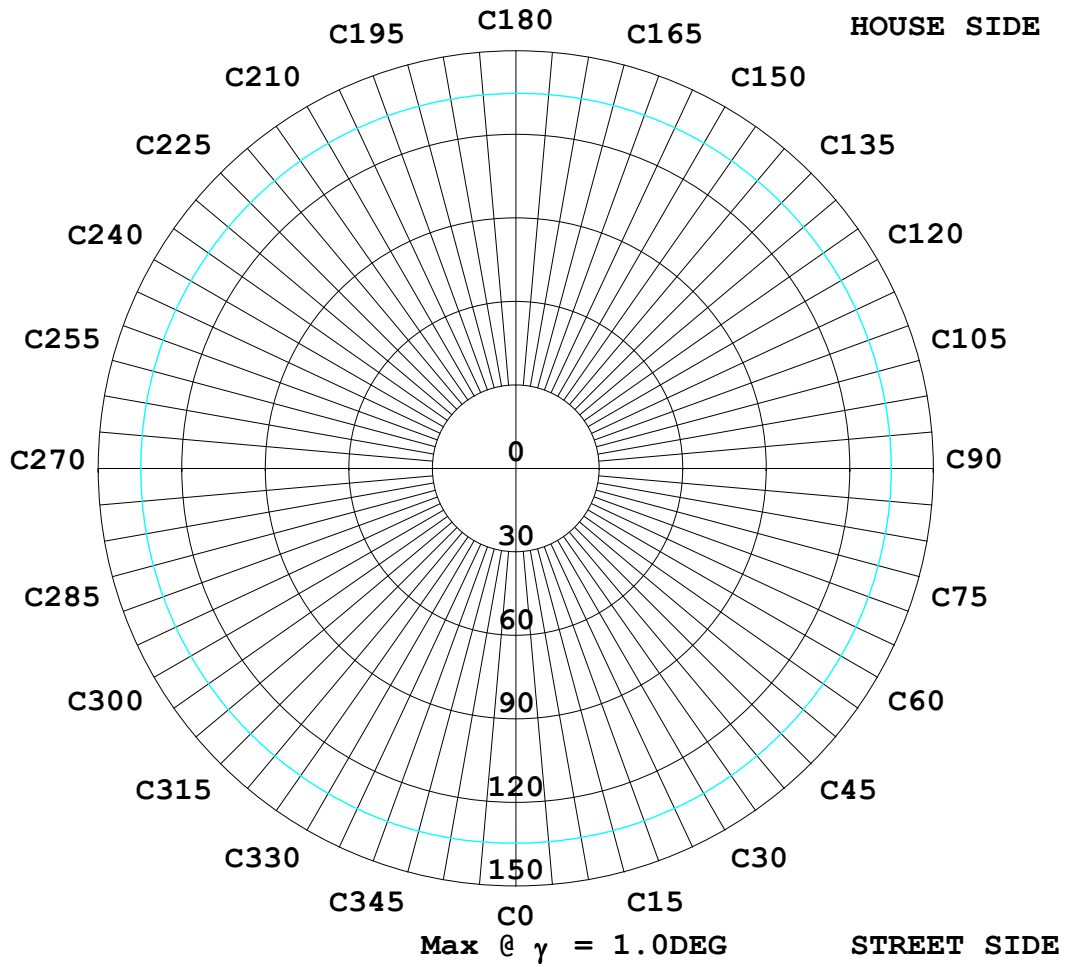
Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.545 m  
Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP4

## ISOCANDELA DIAGRAM

Report number: 2016000067

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33	SERIAL No.:



Test System:LSG-1600  
 Temperature:25.3DEG  
 Operators:REGAIP DASTAN  
 Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.545 m  
 Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000067

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44D	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	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
5.0	134	134	134	134	134	134	134	134	134	134	135	135	134	135	134
10.0	132	132	132	132	132	131	132	132	132	132	133	133	133	134	133
15.0	130	129	129	128	128	127	128	128	129	129	131	131	131	131	130
20.0	126	125	125	124	123	122	123	122	124	125	127	127	128	128	127
25.0	122	121	121	118	118	115	116	116	118	119	122	123	124	125	122
30.0	118	116	115	112	111	108	109	108	111	113	117	118	119	120	117
35.0	112	110	109	105	103	99.1	100	99.4	104	106	111	113	114	115	111
40.0	107	104	103	97.4	94.9	90.1	91.1	90.2	95.2	98.1	104	106	108	109	104
45.0	100	97.7	96.0	89.7	86.3	80.8	81.5	80.7	86.3	90.1	96.9	99.3	101	102	97.2
50.0	93.4	90.8	88.7	81.9	77.7	71.2	71.6	70.9	77.3	81.8	89.2	92.1	94.3	94.9	89.8
55.0	86.5	83.8	81.4	73.9	69.0	61.5	61.5	61.2	68.4	73.6	81.7	84.7	87.0	87.6	82.2
60.0	79.4	76.6	74.1	66.2	60.5	52.2	51.4	51.4	59.6	65.5	73.9	77.1	79.6	80.1	74.6
65.0	72.4	69.5	66.9	58.7	52.4	43.0	41.5	42.1	51.2	57.7	66.5	69.8	72.2	72.7	67.1
70.0	65.7	62.8	60.1	51.7	44.9	34.6	32.1	33.5	43.5	50.6	59.6	63.1	65.5	65.9	60.2
75.0	59.3	56.4	53.7	45.2	37.9	26.8	23.2	25.5	36.3	44.0	53.2	56.7	58.9	59.4	53.7
80.0	53.2	50.5	47.8	39.3	31.6	20.1	15.3	18.6	30.0	38.2	47.1	50.5	52.7	53.1	47.5
85.0	47.7	45.0	42.2	33.9	26.2	14.7	8.74	13.3	24.7	32.9	41.7	45.0	47.1	47.3	42.0
90.0	42.4	39.8	37.1	29.1	21.5	10.6	3.46	9.38	20.3	28.2	36.6	39.8	41.8	42.0	36.8
95.0	37.4	34.8	32.3	24.7	17.5	7.65	3.18	6.74	16.4	23.8	31.8	34.8	36.8	36.8	31.8
100.0	32.8	30.4	28.0	19.8	12.3	5.55	3.00	4.91	11.9	18.6	27.6	30.4	32.2	32.3	27.6
105.0	26.6	24.2	18.4	15.5	10.7	4.64	3.00	4.09	9.83	15.2	19.5	24.0	25.6	25.6	19.4
110.0	21.6	18.0	16.0	11.7	7.83	3.73	2.91	3.46	7.56	11.8	16.0	17.7	21.3	19.4	15.6
115.0	18.6	16.1	13.7	9.65	6.46	3.18	2.91	2.91	6.46	9.11	13.7	15.9	18.5	17.4	13.4
120.0	15.9	14.0	12.0	8.19	5.83	2.82	2.82	2.55	5.55	8.10	12.0	14.1	15.9	15.3	11.9
125.0	13.4	11.9	10.4	7.19	5.01	2.64	2.82	2.55	4.82	7.19	10.4	12.1	13.4	13.1	10.3
130.0	11.2	10.1	8.92	6.19	4.28	2.64	2.82	2.64	4.09	5.92	8.92	10.2	11.3	11.1	8.83
135.0	9.29	8.47	7.37	5.19	3.55	2.73	2.82	2.64	3.55	5.10	7.37	8.47	9.56	9.01	7.37
140.0	7.28	6.74	6.01	4.28	3.00	2.73	2.82	2.73	3.00	4.19	6.10	6.83	7.65	7.28	6.10
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:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.545 m  
Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP4

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000067

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 BT30 CW 120D 7.2W 220V AC IP44	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	135	135	135	135	135	135	135	135	135
5.0	135	134	134	134	134	134	134	134	134
10.0	133	132	132	131	132	131	132	132	133
15.0	130	129	129	127	128	128	129	129	130
20.0	126	124	124	122	123	122	124	125	126
25.0	121	118	117	115	117	116	119	120	122
30.0	115	111	110	108	109	109	113	114	118
35.0	109	103	102	98.9	101	101	106	108	112
40.0	101	95.1	93.2	89.8	92.2	93.1	98.9	102	106
45.0	93.6	86.4	83.9	80.1	82.9	84.5	91.3	94.8	99.8
50.0	85.7	77.7	74.4	70.2	73.4	75.8	83.5	87.6	93.1
55.0	77.7	68.8	64.7	60.3	63.8	67.2	75.8	80.3	86.0
60.0	69.6	60.3	55.2	50.2	54.2	58.7	68.0	73.0	78.9
65.0	62.0	51.9	46.0	40.4	45.0	50.6	60.6	65.8	71.8
70.0	54.7	44.2	37.2	31.0	36.4	43.0	53.4	59.1	65.1
75.0	48.1	37.1	29.1	22.2	28.4	36.0	46.9	52.7	58.7
80.0	41.9	30.9	22.0	14.3	21.3	29.8	40.9	46.7	52.6
85.0	36.3	25.6	16.3	7.74	15.4	24.5	35.4	41.1	47.0
90.0	31.3	21.0	11.9	2.55	11.2	19.9	30.4	36.0	41.6
95.0	26.6	17.0	8.83	2.27	8.19	16.0	25.9	31.2	36.6
100.0	21.5	12.1	6.46	2.36	6.01	11.1	21.0	26.9	31.9
105.0	17.3	10.1	5.37	2.36	4.91	9.56	16.4	18.4	25.6
110.0	13.2	7.74	4.37	2.36	4.00	6.92	12.8	15.2	18.8
115.0	10.7	6.28	3.55	2.55	3.37	5.83	10.2	13.0	16.8
120.0	9.29	5.64	3.18	2.55	3.00	5.10	8.74	11.2	14.6
125.0	8.10	4.82	2.91	2.64	2.91	4.37	7.65	9.74	12.5
130.0	6.83	4.09	2.91	2.64	2.82	3.82	6.46	8.38	10.5
135.0	5.73	3.46	2.82	2.64	2.91	3.09	5.37	6.92	8.83
140.0	4.73	3.09	2.82	2.73	2.82	2.73	4.37	5.64	7.01
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

Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
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Remarks: LLB33 BT30 CW 120D 7.2W 220V AC IP44