

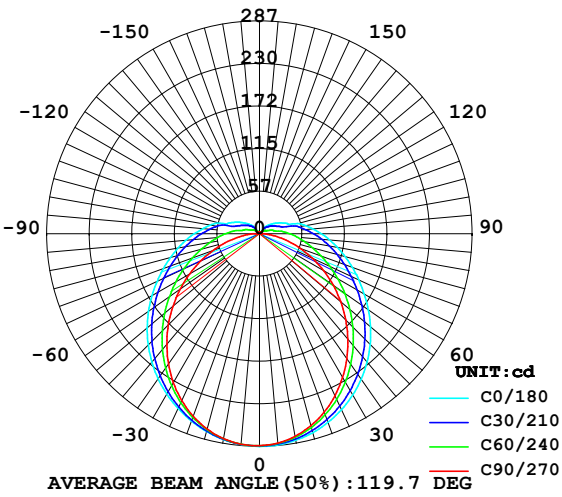
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000072

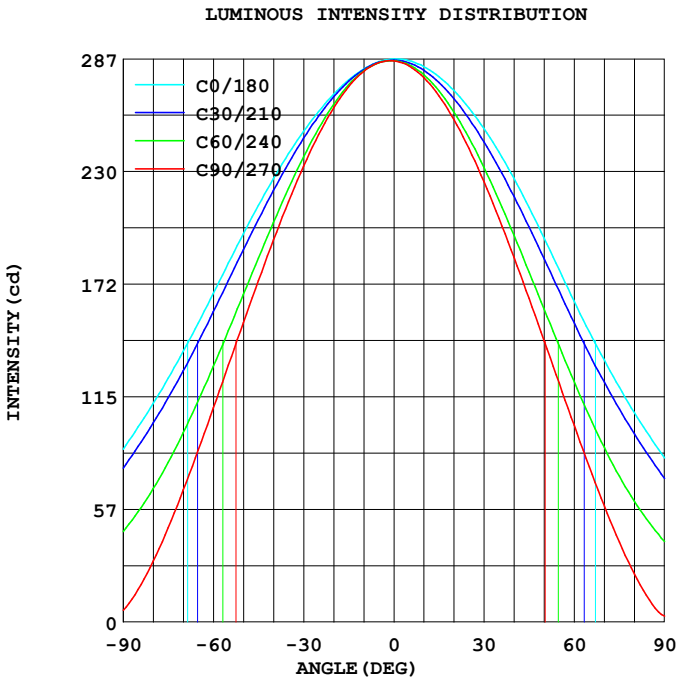
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:---

TEST DATA:					
MODEL:	LLB333	Imax(cd) :	286.9	η street_up(%) :	5.7
NOMINAL POWER(W) :	18	MAXIMUM(C, γ):	0,0.0	η street_down(%) :	47.6
RATED VOLTAGE (V) :	220	TOTAL FLUX(lm) :	1108	η house_up(%)	5.3
NOMINAL FLUX(lm) :	1108.3	EFFICIENCY(%) :	100.0	η house_down(%) :	41.3
TEST FLUX(lm:	1108	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:0.194A P:18.00W PF:0.563

Test System:LSG-1600
Temperature:25.5DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

ZONAL FLUX DIAGRAM

Report number: 2016000072

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:---

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	285.5	284.8	285.0	284.9	286.1	284.8	283.4	283.9	0- 5	6.819	6.819
10.0	281.7	280.7	280.6	281.0	283.0	280.6	277.5	279.2	5- 10	20.18	27.00
15.0	276.2	273.7	272.8	274.1	277.9	273.6	268.2	271.6	10- 15	32.76	59.77
20.0	268.9	264.5	262.0	264.6	270.8	264.4	256.0	261.6	15- 20	44.13	103.9
25.0	260.1	253.3	248.4	252.9	262.0	253.0	241.3	249.8	20- 25	53.92	157.8
30.0	249.9	240.2	232.3	239.0	251.5	239.8	224.3	236.1	25- 30	61.85	219.6
35.0	238.7	225.7	214.1	223.4	239.4	225.0	205.6	221.1	30- 35	67.73	287.4
40.0	226.0	210.1	194.6	206.8	226.0	209.1	185.6	205.1	35- 40	71.48	358.9
45.0	212.3	193.7	174.0	189.2	211.2	192.5	164.8	188.5	40- 45	73.10	432.0
50.0	197.8	176.8	152.5	171.1	195.5	175.3	143.2	171.7	45- 50	72.71	504.7
55.0	182.9	159.9	130.9	153.3	179.5	158.1	121.7	154.9	50- 55	70.49	575.2
60.0	167.5	143.3	109.0	135.7	163.3	141.2	100.2	138.4	55- 60	66.70	641.9
65.0	152.3	127.1	87.73	118.9	147.8	124.9	79.08	122.4	60- 65	61.69	703.6
70.0	138.0	111.8	67.23	103.4	133.5	109.7	59.21	107.4	65- 70	55.89	759.5
75.0	124.2	97.75	48.01	89.55	119.6	96.02	40.72	93.47	70- 75	49.64	809.1
80.0	111.3	84.91	30.88	76.80	106.5	83.27	24.41	80.81	75- 80	43.29	852.4
85.0	99.39	73.34	16.58	65.59	94.84	71.97	11.20	69.51	80- 85	37.18	889.6
90.0	88.10	62.77	6.013	55.39	83.63	61.40	3.097	59.21	85- 90	31.54	921.1
95.0	77.44	53.11	3.553	46.19	73.06	51.83	2.277	49.92	90- 95	26.57	947.7
100.0	67.51	44.46	3.370	38.17	63.59	43.36	2.368	39.54	95-100	22.04	969.8
105.0	55.75	32.16	3.188	27.42	53.38	31.88	2.550	30.24	100-105	17.46	987.2
110.0	43.27	24.69	3.188	22.32	40.63	24.23	2.642	23.41	105-110	12.39	999.6
115.0	36.89	18.95	3.097	16.03	34.71	19.04	2.733	17.31	110-115	9.802	1009
120.0	31.15	15.57	3.188	13.02	29.33	15.67	2.915	14.85	115-120	7.937	1017
125.0	25.87	13.39	3.188	11.20	24.32	13.30	3.006	12.66	120-125	6.460	1024
130.0	21.22	11.20	3.188	9.292	20.04	11.11	2.915	10.56	125-130	5.123	1029
135.0	17.12	8.837	3.188	7.106	16.21	8.746	3.006	8.381	130-135	3.933	1033
140.0	13.11	7.106	3.188	5.557	12.57	6.741	3.097	6.377	135-140	2.902	1108
145.0	0	0	0	0	0	0	0	0	140-145	0	
150.0	0	0	0	0	0	0	0	0	145-150	0	
155.0	0	0	0	0	0	0	0	0	150-155	0	
160.0	0	0	0	0	0	0	0	0	155-160	0	
165.0	0	0	0	0	0	0	0	0	160-165	0	
170.0	0	0	0	0	0	0	0	0	165-170	0	
175.0	0	0	0	0	0	0	0	0	170-175	0	
180.0	0	0	0	0	0	0	0	0	175-180	0	
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

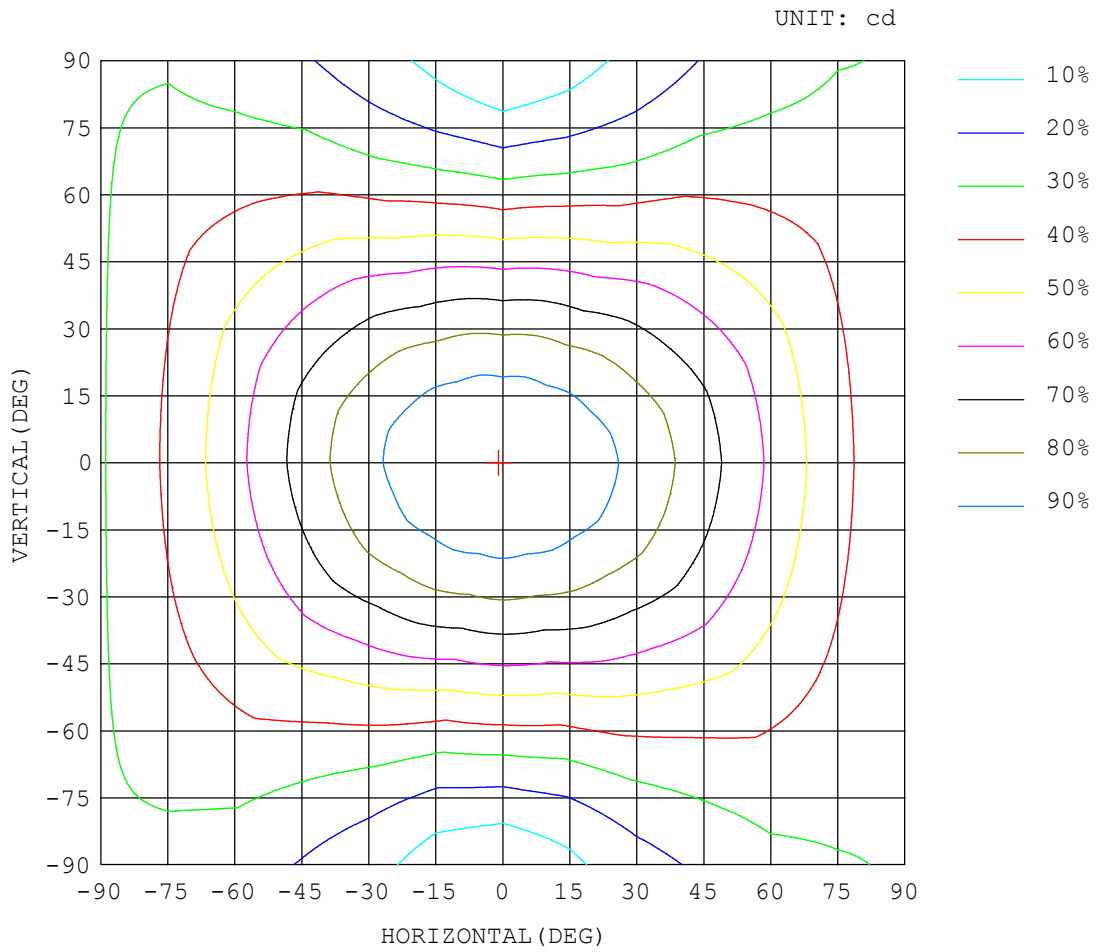
Test System:LSG-1600
Temperature:25.5DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

ISOCANDELA DIAGRAM

Report number: 2016000072

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:---



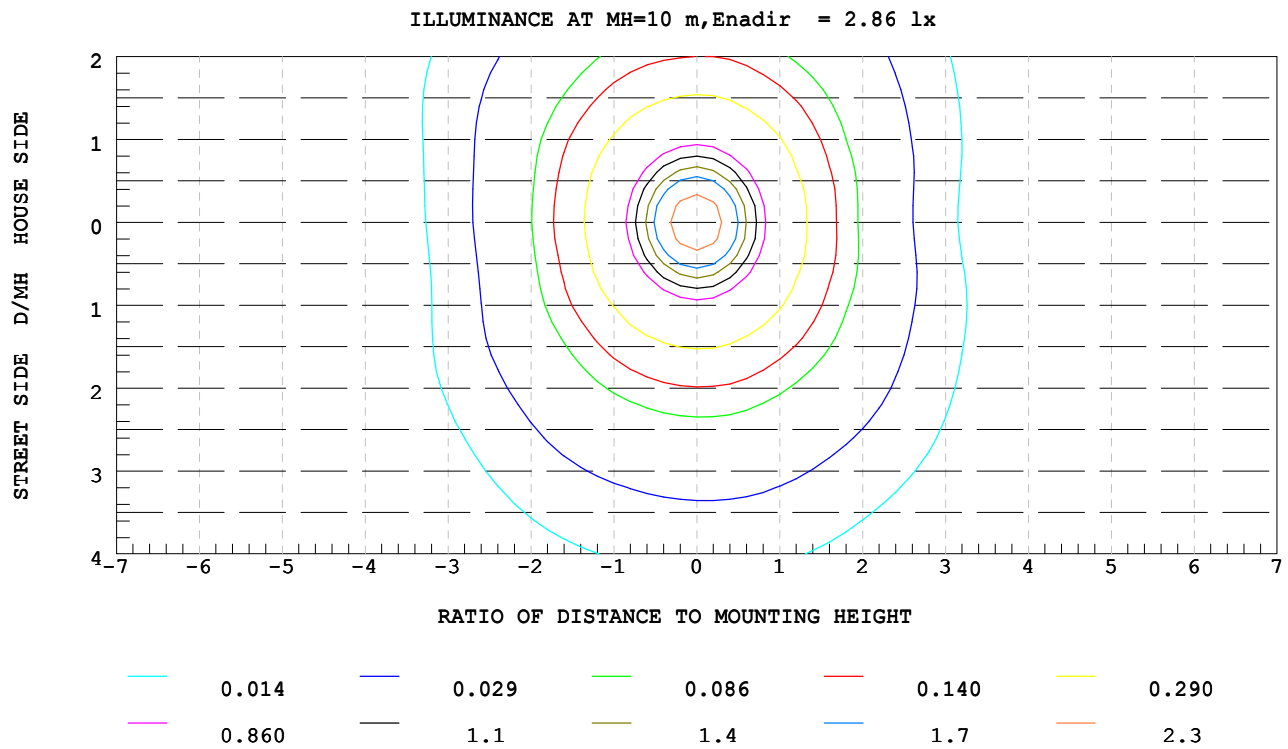
Test System:LSG-1600
Temperature:25.5DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

ISOLUX DIAGRAM

Report number: 2016000072

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE: LED LINE BOLD	WEIGHT: ---
SPECIFICATION: LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.: ---



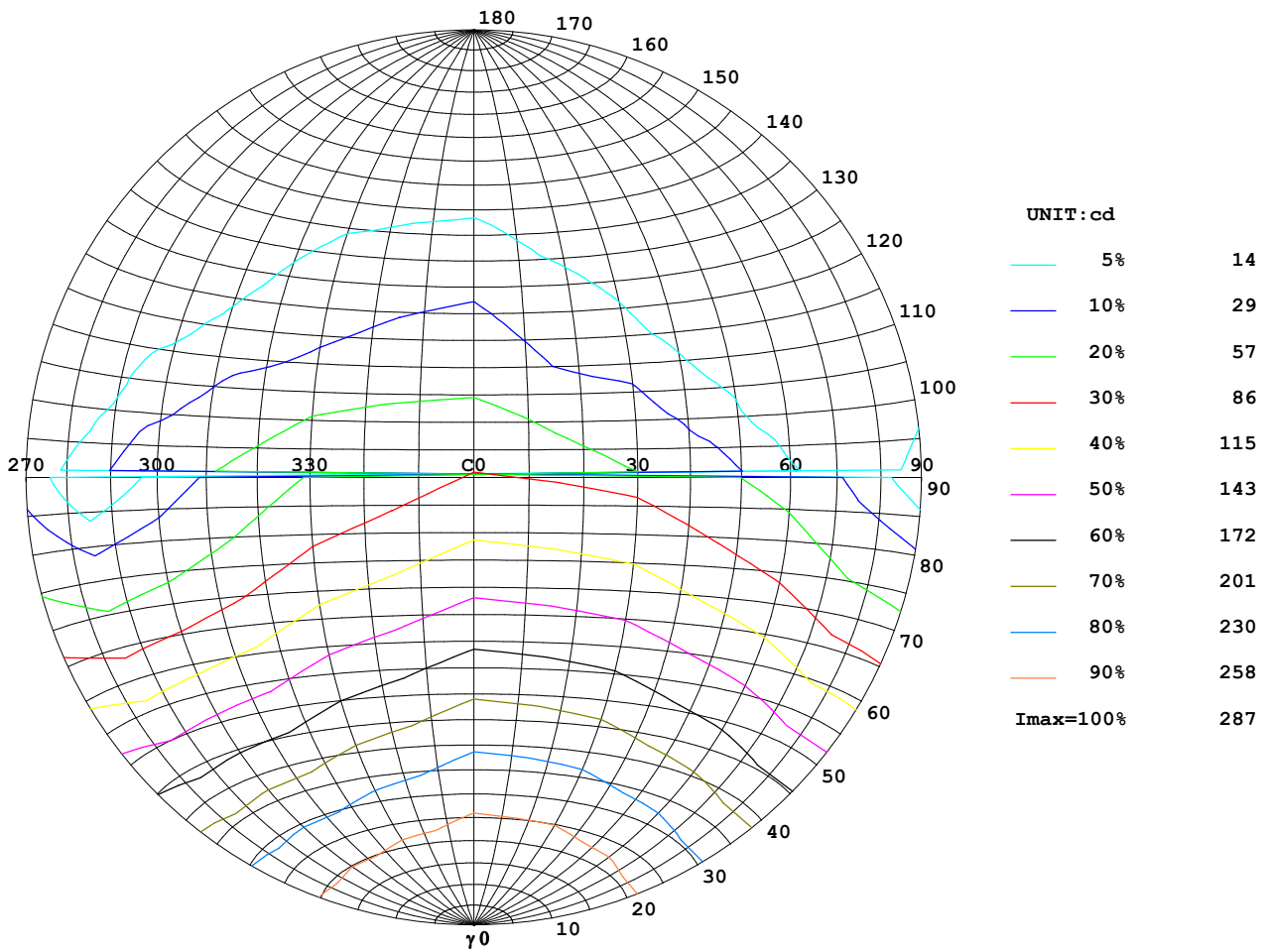
Test System: LSG-1600
 Temperature: 25.5DEG
 Operators: REGAIP DASTAN
 Test Date: 03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 52.0%
 Test Distance: 9.545 m
 Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

ISOCANDELA DIAGRAM

Report number: 2016000072

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:---



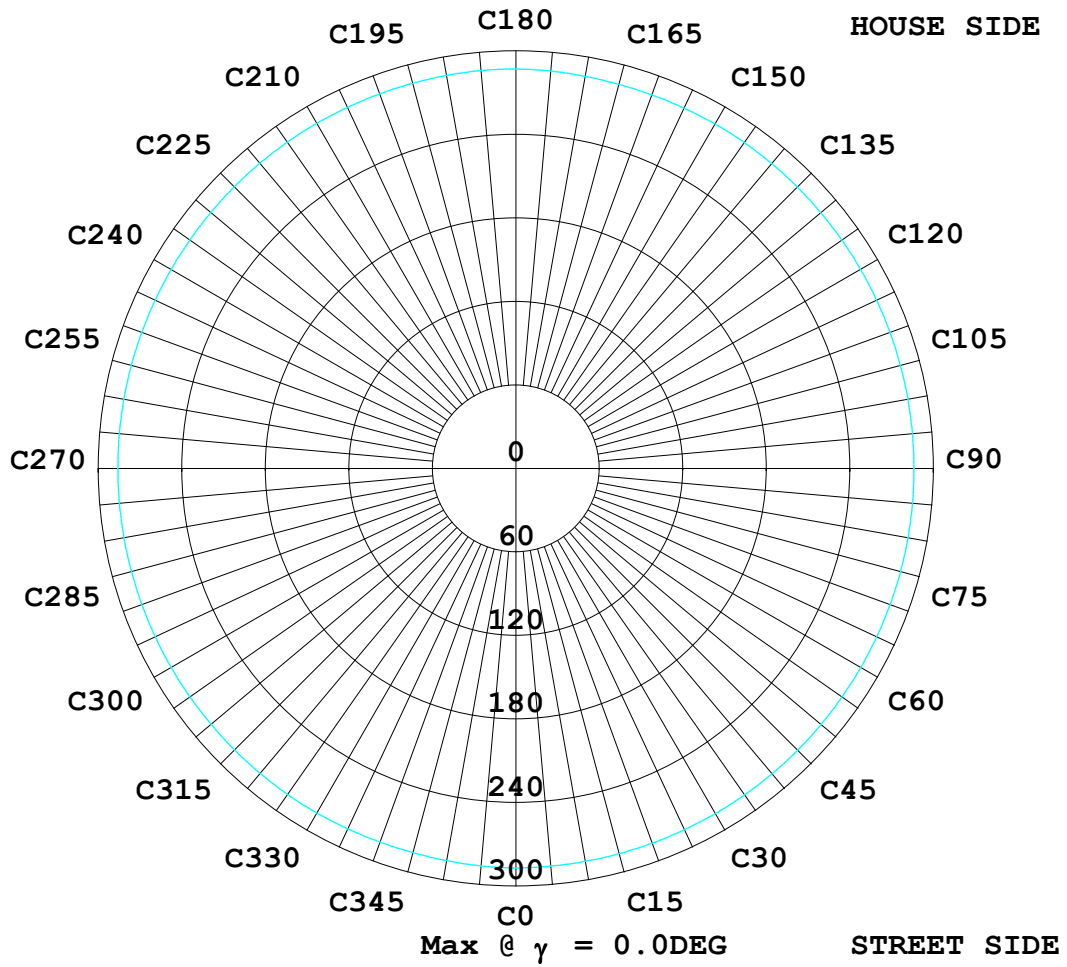
Test System:LSG-1600
Temperature:25.5DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

ISOCANDELA DIAGRAM

Report number: 2016000072

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE: LED LINE BOLD	WEIGHT: ---
SPECIFICATION: LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.: ---



Test System: LSG-1600
 Temperature: 25.5DEG
 Operators: REGAIP DASTAN
 Test Date: 03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 52.0%
 Test Distance: 9.545 m
 Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000072

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	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	287	287	286	286	286	286	286	286	286	286	286	286	287	287	286
5.0	286	285	285	285	285	285	285	285	285	285	285	285	286	286	285
10.0	282	281	282	281	281	280	281	280	281	281	282	282	283	283	281
15.0	276	276	276	274	274	272	273	272	274	274	276	276	278	277	275
20.0	269	268	268	265	264	261	262	261	264	265	268	268	271	270	267
25.0	260	259	258	253	251	247	248	247	251	253	258	259	262	261	257
30.0	250	248	247	240	237	232	232	231	236	239	246	248	252	251	245
35.0	239	236	234	226	221	214	214	213	219	223	232	235	239	239	231
40.0	226	223	220	210	204	195	195	193	201	207	217	221	226	225	217
45.0	212	209	205	194	185	175	174	172	182	189	201	206	211	210	201
50.0	198	194	190	177	167	154	153	151	162	171	185	190	196	195	185
55.0	183	179	174	160	149	133	131	130	143	153	168	174	180	179	169
60.0	168	164	158	143	130	113	109	109	123	136	152	158	163	163	152
65.0	152	148	143	127	113	93.3	87.7	88.1	105	119	135	143	148	147	137
70.0	138	134	128	112	96.5	75.1	67.2	69.1	88.2	103	121	128	134	133	122
75.0	124	120	114	97.7	81.3	58.3	48.0	51.6	72.7	89.5	107	115	120	119	109
80.0	111	107	101	84.9	67.8	43.7	30.8	36.5	59.3	76.8	94.4	102	107	106	95.8
85.0	99.3	95.3	89.5	73.3	56.2	31.9	16.5	24.5	47.9	65.5	82.9	90.2	94.8	94.3	84.1
90.0	88.1	84.2	78.4	62.7	46.1	22.8	6.01	16.1	38.1	55.3	72.0	79.2	83.6	83.0	73.1
95.0	77.4	73.6	68.0	53.1	37.2	16.2	3.55	10.5	30.0	46.1	62.0	68.8	73.0	72.6	63.0
100.0	67.5	63.9	58.6	44.4	25.5	11.2	3.37	7.19	20.0	38.1	53.2	59.6	63.5	63.1	54.1
105.0	55.7	51.9	39.0	32.1	21.3	8.38	3.18	5.37	16.7	27.4	39.8	48.8	53.3	52.2	37.9
110.0	43.2	36.4	31.6	24.6	16.3	6.65	3.18	3.91	12.3	22.3	29.0	32.8	40.6	35.9	29.0
115.0	36.8	32.3	26.7	18.9	11.9	4.82	3.09	3.09	9.93	16.0	24.3	28.7	34.7	32.0	24.5
120.0	31.1	27.7	23.2	15.5	10.1	3.82	3.18	2.73	8.10	13.0	20.5	25.1	29.3	27.6	21.1
125.0	25.8	23.4	19.9	13.3	8.47	3.09	3.18	2.82	6.46	11.2	17.5	21.4	24.3	23.4	18.1
130.0	21.2	19.4	16.7	11.2	6.83	3.00	3.18	2.91	5.10	9.29	14.7	17.7	20.0	19.4	15.2
135.0	17.1	15.6	13.4	8.83	5.37	3.09	3.18	3.00	4.00	7.10	11.9	14.3	16.2	15.5	12.2
140.0	13.1	12.1	10.3	7.10	4.09	3.18	3.18	3.09	3.46	5.55	9.11	11.0	12.5	12.0	9.47
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:25.5DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT45 CW 120D 18W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000072

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT45 CW 120D 18W 220V AC IP44D	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:---

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	286	286	286	286	286	286	286	286	286
5.0	285	284	284	283	284	283	284	284	284
10.0	281	279	279	278	278	278	279	279	281
15.0	274	271	270	268	269	269	272	272	275
20.0	264	260	259	256	258	258	262	264	267
25.0	253	247	245	241	244	244	250	253	258
30.0	240	232	229	224	227	229	236	241	247
35.0	225	215	211	206	209	211	221	227	236
40.0	209	197	192	186	190	193	205	213	223
45.0	193	178	172	165	170	175	189	198	209
50.0	175	159	151	143	149	156	172	183	194
55.0	158	141	131	122	128	137	155	167	179
60.0	141	122	110	100	108	119	138	151	164
65.0	125	105	90.7	79.0	87.8	101	122	136	149
70.0	110	88.9	72.5	59.2	69.1	85.1	107	122	135
75.0	96.0	74.2	55.9	40.7	52.1	70.2	93.4	108	121
80.0	83.2	61.4	41.7	24.4	37.5	57.3	80.8	95.2	108
85.0	71.9	50.5	30.4	11.2	25.8	46.2	69.5	83.7	96.1
90.0	61.4	40.9	21.7	3.09	17.4	36.9	59.2	72.8	84.8
95.0	51.8	32.7	15.5	2.27	11.9	29.1	49.9	62.8	74.2
100.0	43.3	21.9	10.8	2.36	8.38	19.2	39.5	53.7	64.5
105.0	31.8	18.6	8.47	2.55	6.55	15.9	30.2	36.7	52.1
110.0	24.2	13.8	6.55	2.64	5.01	11.3	23.4	28.6	35.9
115.0	19.0	10.1	4.91	2.73	3.91	9.20	17.3	24.1	31.8
120.0	15.6	8.74	3.82	2.91	3.37	7.92	14.8	20.6	27.6
125.0	13.3	7.19	3.37	3.00	3.37	6.37	12.6	17.7	23.5
130.0	11.1	5.73	3.27	2.91	3.18	5.19	10.5	14.7	19.4
135.0	8.74	4.55	3.37	3.00	3.27	4.00	8.38	12.0	15.8
140.0	6.74	3.46	3.37	3.09	3.27	3.18	6.37	9.29	12.2
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:25.5DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT45 CW 120D 18W 220V IP44D