

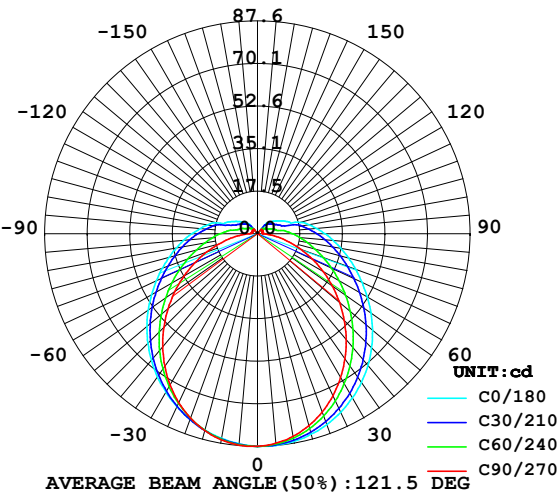
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000070

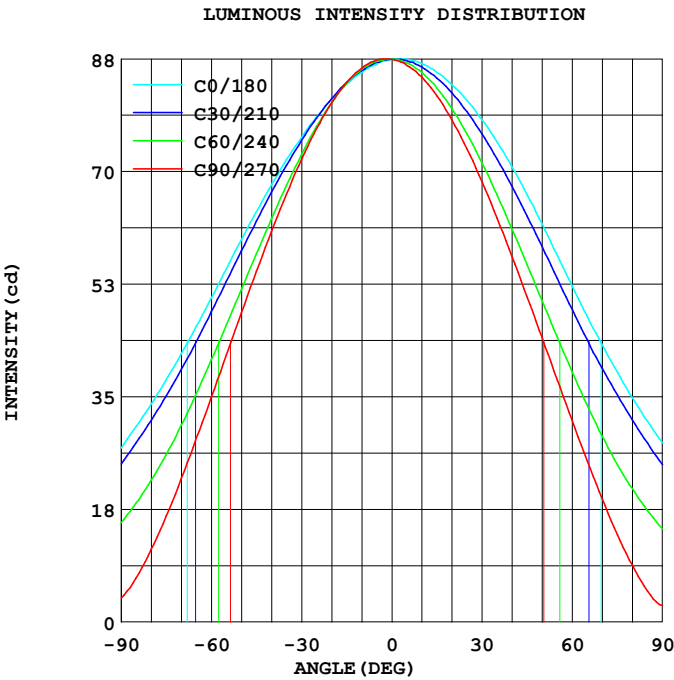
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:

TEST DATA:					
MODEL:	LLB33	Imax(cd) :	87.91	η street_up(%) :	6.3
NOMINAL POWER(W) :	6	MAXIMUM(C, γ):	150,1.0	η street_down(%) :	46.0
RATED VOLTAGE (V) :	220	TOTAL FLUX(lm) :	395	η house_up(%)	6.3
NOMINAL FLUX(lm) :	395.4	EFFICIENCY(%) :	100.0	η house_down(%) :	41.4
TEST FLUX(lm:	395	η up(%) :	12.6		
LAMPS QUANTITY:	1	η down(%) :	87.4		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:220.8V I:0.093A P:6.000W PF:0.478

Test System:LSG-1600
Temperature:25.4DEG
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 PT15 CW 120D 6 W 220 V AC IP4

ZONAL FLUX DIAGRAM

Report number: 2016000070

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44	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	86.82	87.00	87.46	87.64	87.64	87.37	86.64	87.00	0- 5	2.089	2.089
10.0	85.54	85.54	86.18	86.64	86.91	86.18	84.82	85.27	5- 10	6.184	8.273
15.0	83.72	83.45	84.00	84.82	85.54	84.36	81.90	82.81	10- 15	10.04	18.31
20.0	81.35	80.53	80.81	82.08	83.63	81.72	78.16	79.62	15- 20	13.54	31.85
25.0	78.62	76.98	76.80	78.71	81.17	78.44	73.61	75.89	20- 25	16.55	48.41
30.0	75.43	73.06	71.97	74.61	78.16	74.52	68.51	71.61	25- 30	19.01	67.43
35.0	71.97	68.60	66.59	69.97	74.70	70.33	62.86	67.05	30- 35	20.85	88.28
40.0	68.05	63.86	60.76	64.95	70.79	65.59	56.85	62.13	35- 40	22.04	110.3
45.0	63.86	58.94	54.57	59.67	66.50	60.67	50.56	57.12	40- 45	22.59	132.9
50.0	59.49	53.84	48.10	54.20	61.95	55.57	44.27	51.93	45- 50	22.53	155.4
55.0	54.93	48.83	41.54	48.83	57.12	50.38	37.71	46.92	50- 55	21.91	177.3
60.0	50.47	43.82	34.98	43.45	52.29	45.28	31.34	41.90	55- 60	20.82	198.2
65.0	46.00	38.99	28.60	38.35	47.55	40.45	25.05	37.17	60- 65	19.35	217.5
70.0	41.72	34.43	22.32	33.43	43.09	35.80	19.13	32.61	65- 70	17.63	235.2
75.0	37.71	30.24	16.49	29.15	38.90	31.61	13.57	28.51	70- 75	15.78	250.9
80.0	33.89	26.42	11.29	25.23	34.89	27.78	8.837	24.78	75- 80	13.88	264.8
85.0	30.42	23.05	6.833	21.77	31.24	24.23	4.828	21.41	80- 85	12.05	276.9
90.0	27.05	19.77	3.735	18.67	27.87	21.13	2.550	18.31	85- 90	10.36	287.2
95.0	23.96	16.94	2.733	15.85	24.50	18.22	2.186	15.57	90- 95	8.851	296.1
100.0	21.04	14.39	2.550	13.21	21.59	15.39	2.095	12.29	95-100	7.469	303.6
105.0	17.49	10.65	2.550	9.566	18.31	11.66	2.186	9.657	100-105	6.037	309.6
110.0	13.75	9.201	2.459	8.472	14.12	9.475	2.186	8.108	105-110	4.471	314.1
115.0	11.93	7.015	2.459	6.468	12.39	7.379	2.186	6.013	110-115	3.650	317.7
120.0	10.29	5.739	2.459	5.375	10.75	6.468	2.277	5.375	115-120	3.043	320.8
125.0	8.746	5.101	2.459	4.828	9.201	5.739	2.277	4.828	120-125	2.582	323.3
130.0	7.470	4.555	2.459	4.190	7.926	5.101	2.368	4.190	125-130	2.149	325.5
135.0	6.286	3.826	2.459	3.644	6.741	4.464	2.368	3.644	130-135	1.762	327.3
140.0	5.101	3.370	2.459	3.188	5.557	3.735	2.368	3.188	135-140	1.409	395.4
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	

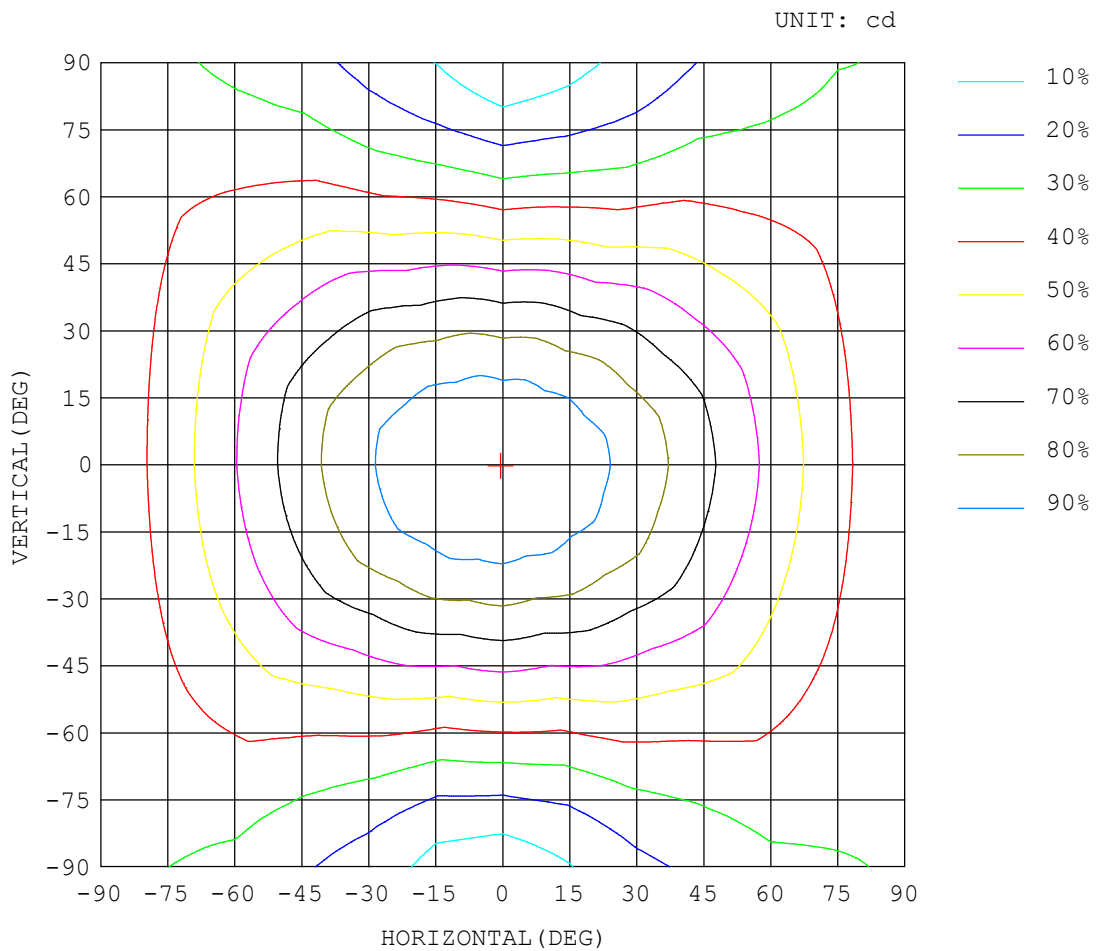
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLB33 PT15 CW 120D 6 W 220 V AC IP4

ISOCANDELA DIAGRAM

Report number: 2016000070

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44	TYPE: LED LINE BOLD	WEIGHT: ---
SPECIFICATION: LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:



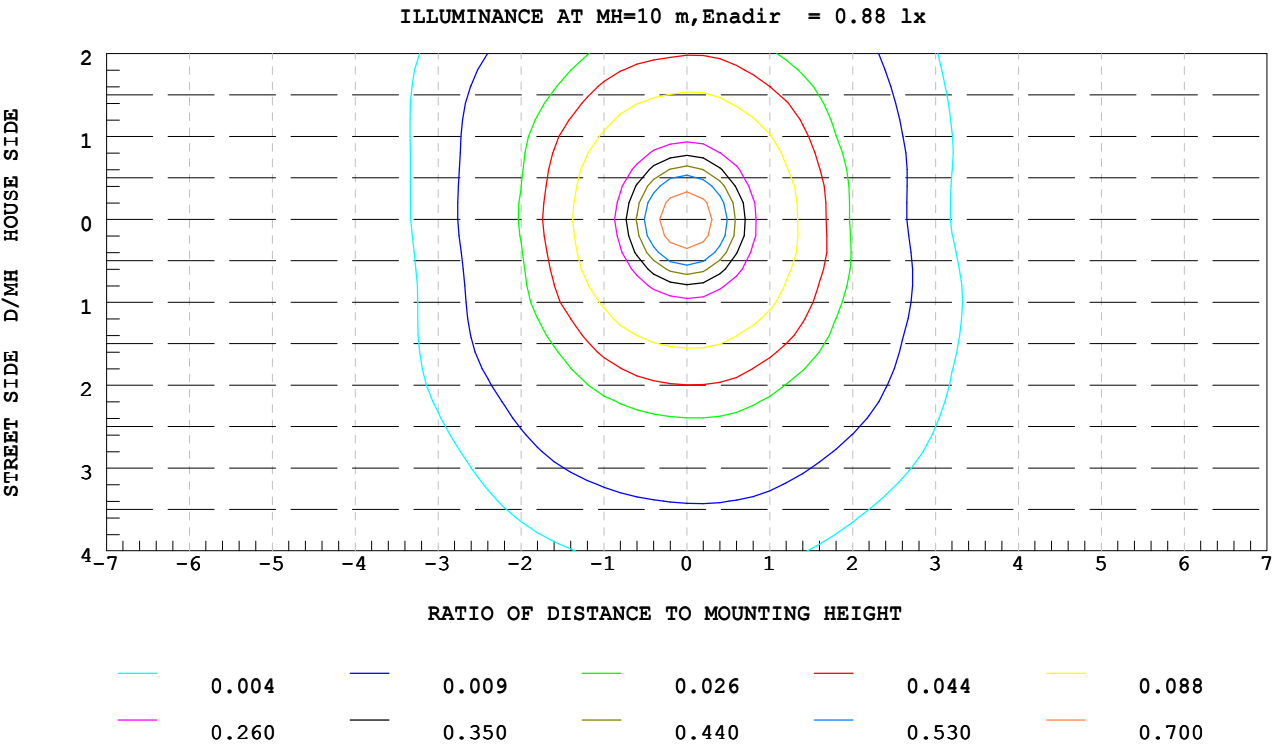
Test System: LSG-1600
Temperature: 25.4 DEG
Operators: REGAIP DASTAN
Test Date: 03-09-2016

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Humidity: 52.0%
Test Distance: 9.545 m
Remarks: LLB33 PT15 CW 120D 6 W 220 V AC IP44

ISOLUX DIAGRAM

Report number: 2016000070

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:



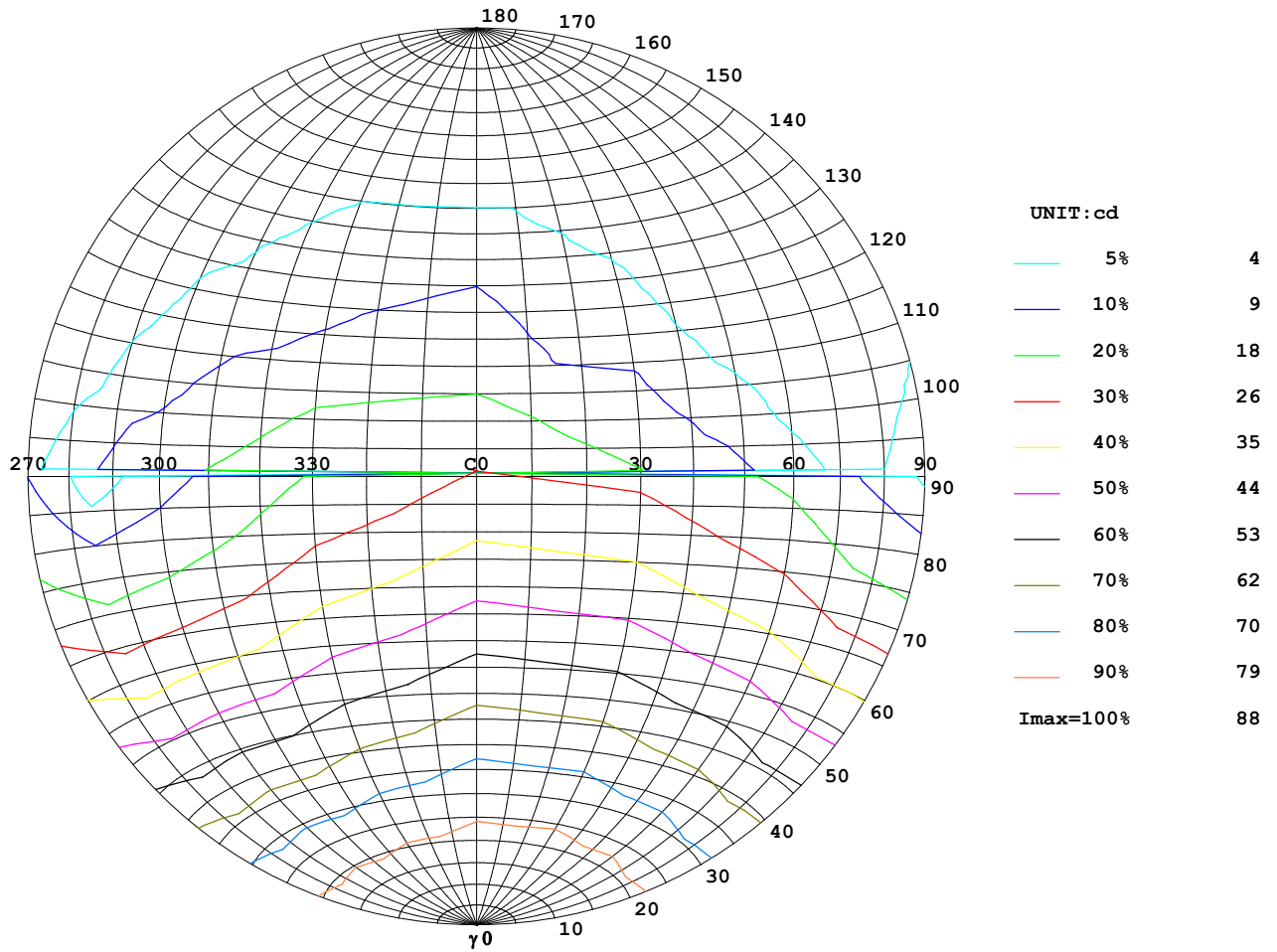
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
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MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:



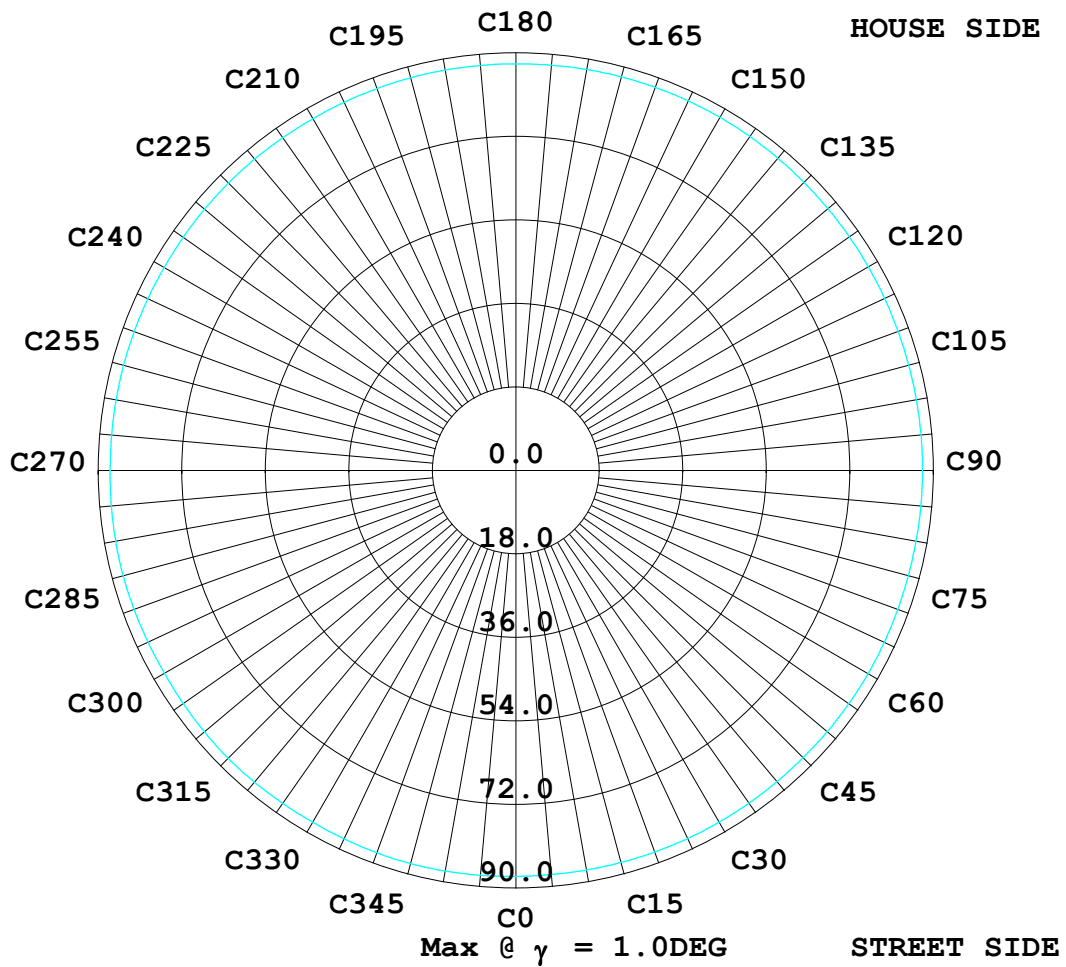
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-09-2016

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MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44	TYPE:LED LINE BOLD	WEIGHT:---
SPECIFICATION:LED LINE BOLD 33	DIMENSION: 1010x45x33mm	SERIAL No.:



Test System:LSG-1600
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Test Set: 2.0deg/s C-Gamma (TYPE C)
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000070

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44				TYPE:LED LINE BOLD		WEIGHT:---	
SPECIFICATION:LED LINE BOLD 33				DIMENSION: 1010x45x33mm		SERIAL No.:	

UNIT: cd

γ (DEG)	C (DEG)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	87.5	87.4	87.6	87.5	87.6	87.5	87.5	87.6	87.6	87.7	87.7	87.8	87.5	87.4	87.6
5.0	86.8	86.7	87.0	87.0	87.2	87.1	87.4	87.3	87.7	87.6	87.8	87.8	87.6	87.5	87.3
10.0	85.5	85.3	85.8	85.5	86.0	85.7	86.1	86.0	86.7	86.6	87.1	87.0	86.9	86.9	86.3
15.0	83.7	83.4	84.0	83.4	83.8	83.2	84.0	83.8	84.7	84.8	85.6	85.5	85.5	85.6	84.6
20.0	81.3	81.0	81.4	80.5	80.8	79.9	80.8	80.4	81.9	82.0	83.5	83.5	83.6	83.7	82.3
25.0	78.6	78.0	78.4	76.9	77.1	75.8	76.8	76.4	78.1	78.7	80.6	80.8	81.1	81.2	79.4
30.0	75.4	74.8	74.9	73.0	72.7	71.0	71.9	71.6	73.7	74.6	77.1	77.6	78.1	78.2	75.9
35.0	71.9	71.1	71.0	68.6	67.9	65.6	66.5	66.1	68.7	69.9	73.1	73.9	74.7	74.7	72.0
40.0	68.0	67.1	66.8	63.8	62.7	60.0	60.7	60.2	63.3	64.9	68.7	69.8	70.7	70.8	67.7
45.0	63.8	62.8	62.4	58.9	57.3	53.9	54.5	54.0	57.4	59.6	64.0	65.4	66.5	66.5	63.1
50.0	59.4	58.3	57.7	53.8	51.7	47.7	48.1	47.6	51.5	54.2	59.1	60.6	61.9	62.0	58.3
55.0	54.9	53.7	53.0	48.8	46.1	41.5	41.5	41.0	45.6	48.8	53.9	55.7	57.1	57.3	53.4
60.0	50.4	49.1	48.2	43.8	40.8	35.5	34.9	34.7	39.8	43.4	48.9	50.8	52.2	52.4	48.6
65.0	46.0	44.6	43.6	38.9	35.5	29.7	28.6	28.5	34.1	38.3	44.0	46.1	47.5	47.7	43.9
70.0	41.7	40.3	39.2	34.4	30.6	24.1	22.3	22.5	28.9	33.4	39.4	41.6	43.0	43.3	39.4
75.0	37.7	36.3	35.1	30.2	26.0	19.1	16.4	17.2	24.1	29.1	35.2	37.5	38.9	39.1	35.3
80.0	33.8	32.6	31.3	26.4	22.0	14.7	11.2	12.4	19.9	25.2	31.3	33.5	34.8	35.0	31.4
85.0	30.4	29.0	27.8	23.0	18.4	11.2	6.83	8.74	16.3	21.7	27.6	29.8	31.2	31.4	27.8
90.0	27.0	25.7	24.5	19.7	15.4	8.47	3.73	6.19	13.3	18.6	24.3	26.4	27.8	27.9	24.5
95.0	23.9	22.6	21.4	16.9	12.7	6.46	2.73	4.55	10.8	15.8	21.2	23.2	24.5	24.6	21.4
100.0	21.0	19.8	18.7	14.3	9.11	5.01	2.55	3.55	8.10	13.2	18.4	20.4	21.5	21.6	18.5
105.0	17.4	16.0	13.6	10.6	7.74	3.91	2.55	2.91	6.74	9.56	14.2	16.7	18.3	18.0	13.3
110.0	13.7	11.3	10.6	9.20	6.55	3.37	2.45	2.55	5.46	8.47	11.3	11.2	14.1	12.4	10.2
115.0	11.9	10.3	9.11	7.01	5.19	2.91	2.45	2.36	4.82	6.46	8.92	10.1	12.3	11.5	8.92
120.0	10.2	9.11	8.10	5.73	4.55	2.55	2.45	2.27	4.19	5.37	7.74	9.11	10.7	10.2	8.01
125.0	8.74	7.92	7.10	5.10	3.91	2.36	2.45	2.27	3.64	4.82	7.01	8.10	9.20	8.92	7.10
130.0	7.47	6.83	6.19	4.55	3.46	2.36	2.45	2.36	3.09	4.19	6.10	7.01	7.92	7.74	6.28
135.0	6.28	5.73	5.37	3.82	3.00	2.36	2.45	2.36	2.73	3.64	5.28	6.01	6.74	6.55	5.46
140.0	5.10	4.82	4.37	3.37	2.64	2.36	2.45	2.36	2.45	3.18	4.46	4.91	5.55	5.46	4.64
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:25.4DEG
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 PT15 CW 120D 6 W 220 V AC IP4

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000070

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: LLB33 PT15 CW 120D 6 W 220 V AC IP44				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	87.5	87.6	87.5	87.5	87.6	87.6	87.7	87.7	87.8
5.0	87.3	87.0	87.0	86.6	86.9	86.6	87.0	86.8	87.0
10.0	86.1	85.5	85.4	84.8	85.0	84.7	85.2	85.0	85.7
15.0	84.3	83.0	82.9	81.9	82.4	81.9	82.8	82.8	83.7
20.0	81.7	79.9	79.6	78.1	78.8	78.3	79.6	79.9	81.2
25.0	78.4	75.9	75.4	73.6	74.4	73.9	75.8	76.4	78.3
30.0	74.5	71.4	70.6	68.5	69.4	69.1	71.6	72.6	75.0
35.0	70.3	66.5	65.3	62.8	64.0	63.9	67.0	68.4	71.3
40.0	65.5	61.1	59.5	56.8	58.1	58.3	62.1	64.0	67.3
45.0	60.6	55.5	53.5	50.5	52.0	52.6	57.1	59.4	63.0
50.0	55.5	50.0	47.4	44.2	45.8	47.0	51.9	54.6	58.6
55.0	50.3	44.3	41.2	37.7	39.6	41.3	46.9	49.8	54.1
60.0	45.2	38.9	35.2	31.3	33.4	35.8	41.9	45.1	49.4
65.0	40.4	33.7	29.5	25.0	27.5	30.7	37.1	40.6	45.0
70.0	35.8	28.8	23.9	19.1	21.8	25.8	32.6	36.3	40.7
75.0	31.6	24.5	18.9	13.5	16.7	21.4	28.5	32.4	36.7
80.0	27.7	20.7	14.7	8.83	12.2	17.6	24.7	28.6	32.8
85.0	24.2	17.3	11.2	4.82	8.83	14.3	21.4	25.3	29.4
90.0	21.1	14.4	8.65	2.55	6.37	11.6	18.3	22.1	26.0
95.0	18.2	12.0	6.74	2.18	4.82	9.38	15.5	19.2	22.9
100.0	15.3	8.29	5.28	2.09	3.82	6.46	12.2	16.5	20.1
105.0	11.6	7.47	4.37	2.18	3.18	5.64	9.65	11.8	16.1
110.0	9.47	6.10	3.82	2.18	2.73	4.46	8.10	8.92	11.2
115.0	7.37	4.73	3.18	2.18	2.55	3.82	6.01	7.56	10.1
120.0	6.46	4.19	2.82	2.27	2.45	3.37	5.37	6.74	9.11
125.0	5.73	3.82	2.55	2.27	2.55	3.00	4.82	6.10	7.92
130.0	5.10	3.37	2.45	2.36	2.45	2.73	4.19	5.28	6.83
135.0	4.46	3.00	2.55	2.36	2.45	2.36	3.64	4.64	5.83
140.0	3.73	2.73	2.45	2.36	2.45	2.36	3.18	3.91	4.73
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:25.4DEG
 Operators:REGAIP DASTAN
 Test Date:03-09-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity:52.0%
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