

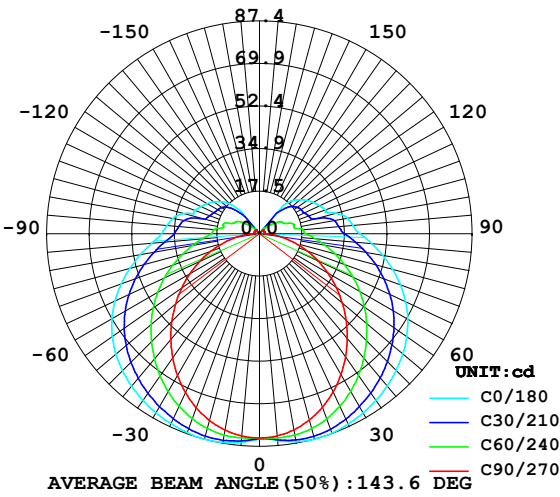
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000088

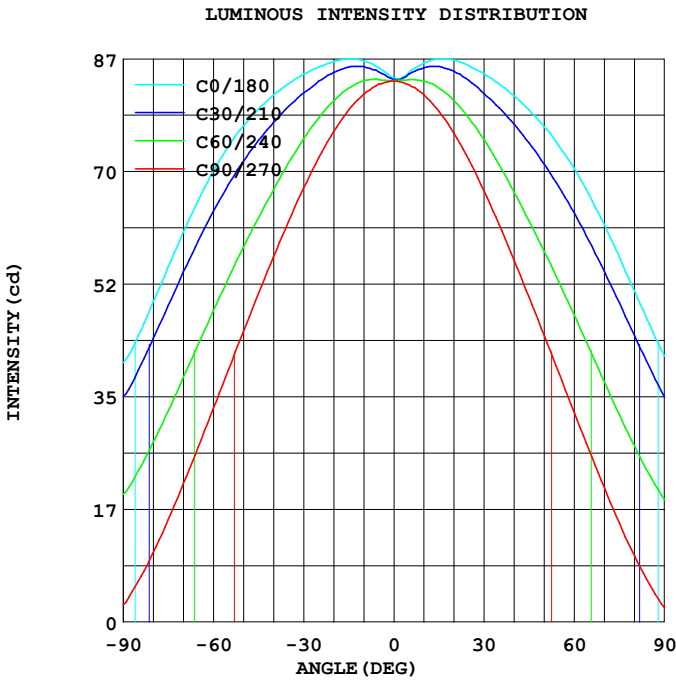
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLKS T60 CW 120D 4.8W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1005x25X20	SERIAL No.:

TEST DATA:					
MODEL:	LLKS	Imax (cd) :	87.37	$\eta$ street_up (%) :	9.4
NOMINAL POWER (W) :	4.8	MAXIMUM (C, $\gamma$ :	0,13.0	$\eta$ street_down (%) :	42.8
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	417.9	$\eta$ house_up (%) :	9.3
NOMINAL FLUX (lm) :	418.0	EFFICIENCY (%) :	100.0	$\eta$ house_down (%) :	38.4
TEST FLUX (lm:	417.9	$\eta$ up (%) :	18.7		
LAMPS QUANTITY:	1	$\eta$ down (%) :	81.3		

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS



Test:U:24.00V I:0.074A P:4.800W PF:0.430

Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-25-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:53.0%  
Test Distance:9.545 m  
Remarks: LLKS T60 CW 120D 4.8W 24V DC IP44

# ZONAL FLUX DIAGRAM

Report number: 2016000088

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLKS T60 CW 120D 4.8W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1005x25X20	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	86.00	84.82	83.45	84.72	85.27	84.63	83.36	84.63	0- 5	2.018	2.018
10.0	87.09	85.00	81.90	85.00	86.73	85.18	81.81	85.00	5- 10	6.064	8.083
15.0	87.37	84.36	79.44	84.45	87.37	84.91	79.26	84.54	10- 15	10.01	18.09
20.0	86.91	82.99	76.07	82.99	87.18	83.72	75.80	83.27	15- 20	13.70	31.80
25.0	86.09	80.81	71.97	80.81	86.36	81.81	71.70	81.26	20- 25	17.04	48.84
30.0	85.00	78.26	67.32	78.07	85.09	79.26	66.87	78.80	25- 30	19.92	68.76
35.0	83.54	75.25	62.13	74.70	83.54	76.25	61.67	75.80	30- 35	22.31	91.08
40.0	81.72	72.06	56.66	71.33	81.63	72.97	56.12	72.61	35- 40	24.17	115.2
45.0	79.53	68.51	50.92	67.41	79.44	69.42	50.38	68.96	40- 45	25.47	140.7
50.0	76.98	64.50	45.00	63.50	76.80	65.50	44.46	65.05	45- 50	26.21	166.9
55.0	73.79	60.31	39.08	59.03	73.79	61.31	38.53	60.85	50- 55	26.36	193.3
60.0	69.97	55.75	33.16	54.39	70.33	56.85	32.52	56.21	55- 60	25.92	219.2
65.0	65.41	50.83	27.14	49.56	66.23	52.20	26.60	51.38	60- 65	24.92	244.1
70.0	60.49	45.91	21.41	44.55	61.67	47.28	20.86	46.37	65- 70	23.41	267.5
75.0	55.11	40.81	15.85	39.63	56.66	42.36	15.39	41.36	70- 75	21.46	289.0
80.0	49.65	35.89	10.75	34.71	51.38	37.35	10.29	36.35	75- 80	19.22	308.2
85.0	44.36	31.24	6.286	30.15	46.19	32.79	5.830	31.70	80- 85	16.87	325.1
90.0	40.26	27.60	2.642	26.14	41.27	28.51	2.186	27.51	85- 90	14.57	339.7
95.0	38.26	26.42	2.459	25.05	38.62	26.87	1.913	26.32	90- 95	13.29	353.0
100.0	36.26	23.87	2.277	22.23	36.71	24.69	1.913	23.87	95-100	12.38	365.3
105.0	32.16	20.95	2.186	19.95	32.61	21.41	1.913	20.59	100-105	10.91	376.3
110.0	28.15	17.85	2.277	17.58	28.88	18.58	2.004	18.03	105-110	8.837	385.1
115.0	26.51	16.21	2.277	15.48	27.33	16.76	2.004	15.85	110-115	7.719	392.8
120.0	24.78	15.12	2.277	14.39	25.69	15.48	2.004	14.66	115-120	6.916	399.7
125.0	22.86	13.93	2.186	13.48	23.87	14.66	2.095	13.57	120-125	6.127	405.9
130.0	20.59	11.38	2.186	10.93	21.86	12.57	2.095	11.02	125-130	5.167	411.0
135.0	17.31	7.926	2.186	8.017	19.31	9.384	2.095	7.652	130-135	4.039	415.1
140.0	12.39	4.646	2.095	5.375	15.39	6.559	2.095	4.646	135-140	2.875	417.9
145.0	0	0	0	0	0	0	0	0	140-145	0	417.9
150.0	0	0	0	0	0	0	0	0	145-150	0	417.9
155.0	0	0	0	0	0	0	0	0	150-155	0	417.9
160.0	0	0	0	0	0	0	0	0	155-160	0	417.9
165.0	0	0	0	0	0	0	0	0	160-165	0	417.9
170.0	0	0	0	0	0	0	0	0	165-170	0	417.9
175.0	0	0	0	0	0	0	0	0	170-175	0	417.9
180.0	0	0	0	0	0	0	0	0	175-180	0	417.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

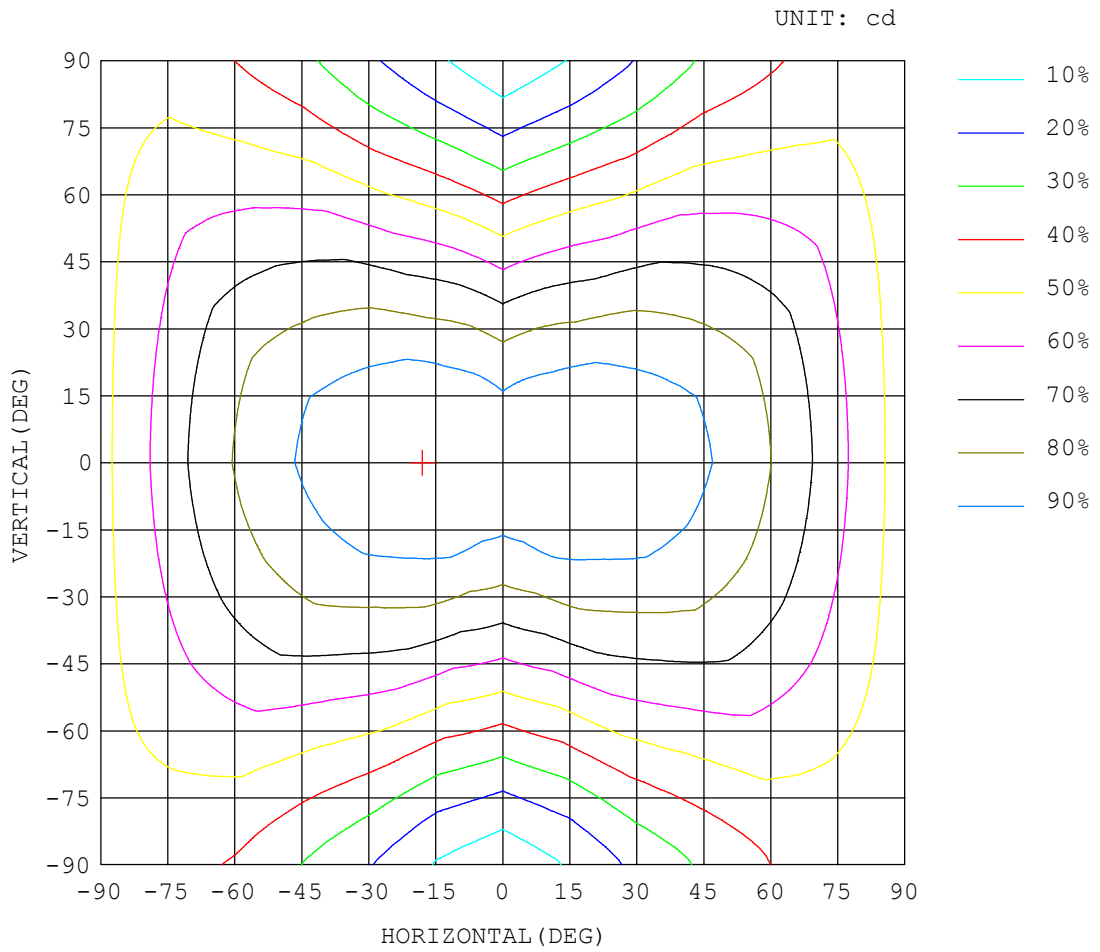
Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-25-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:53.0%  
Test Distance:9.545 m  
Remarks: LLKS T60 CW 120D 4.8W 24V DC IP44

## ISOCANDELA DIAGRAM

Report number: 2016000088

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLKS T60 CW 120D 4.8W 24V DC IP44	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE	DIMENSION: 1005x25x20	SERIAL No.:



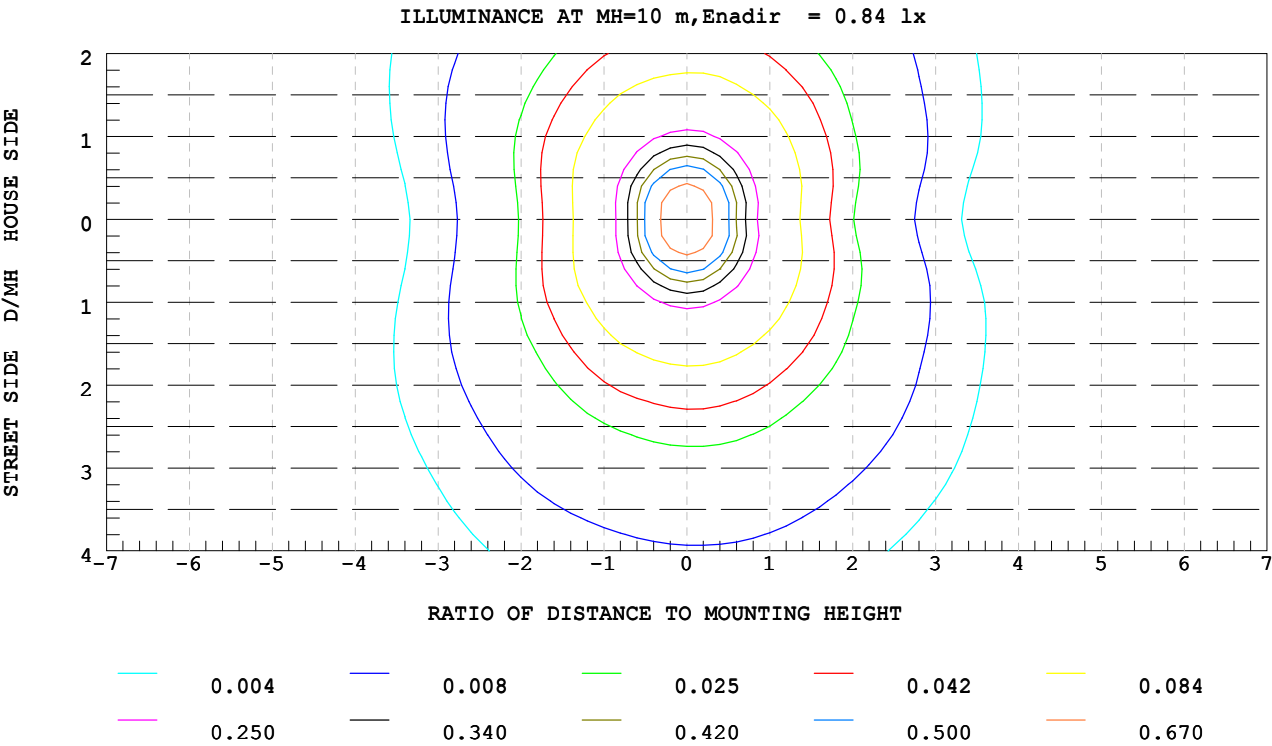
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ISOLUX DIAGRAM

Report number: 2016000088

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLKS T60 CW 120D 4.8W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1005x25X20	SERIAL No.:



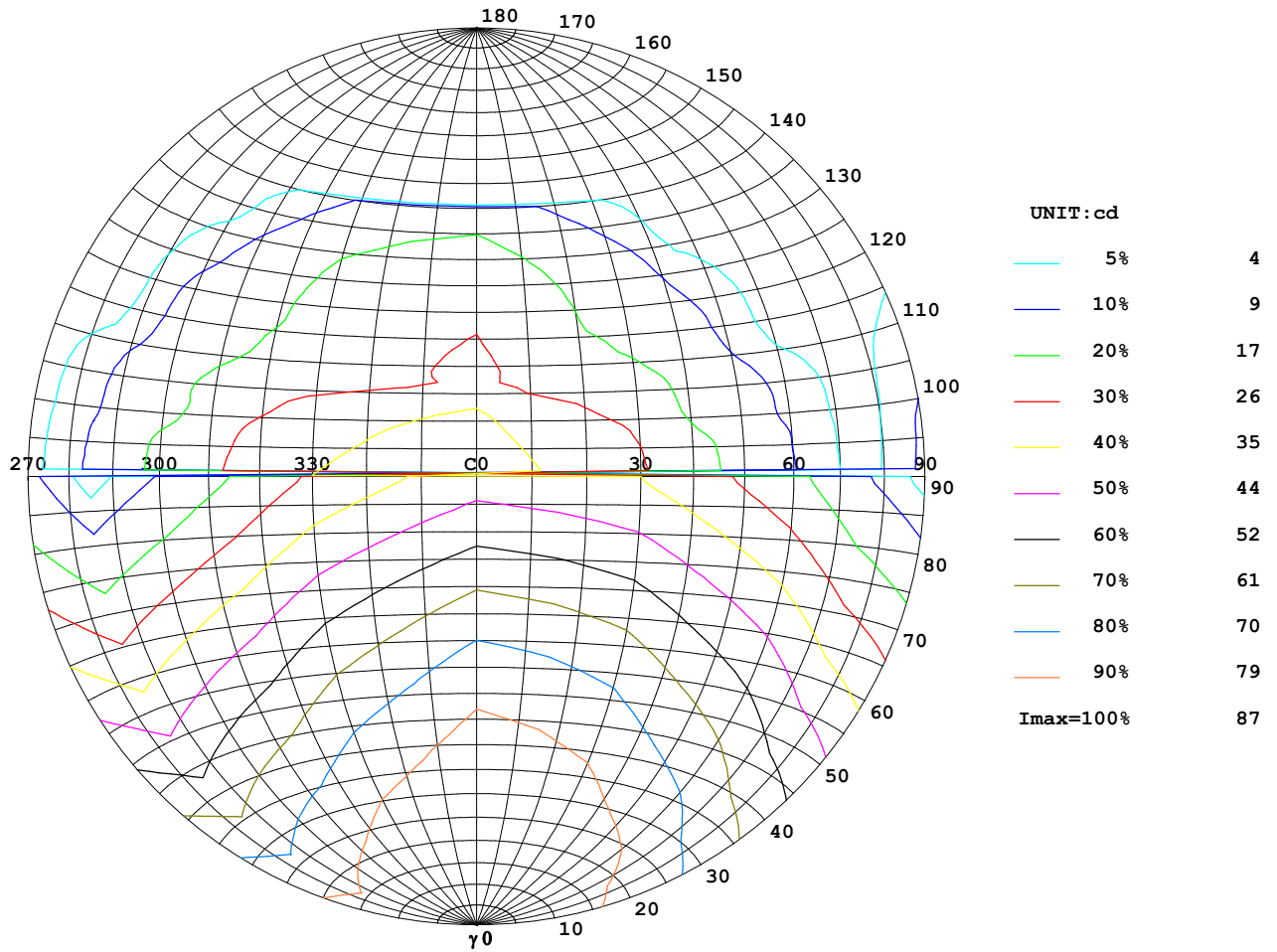
Test System:LSG-1600  
Temperature:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-25-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
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MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLKS T60 CW 120D 4.8W 24V DC IP44	TYPE: LED LINE	WEIGHT:
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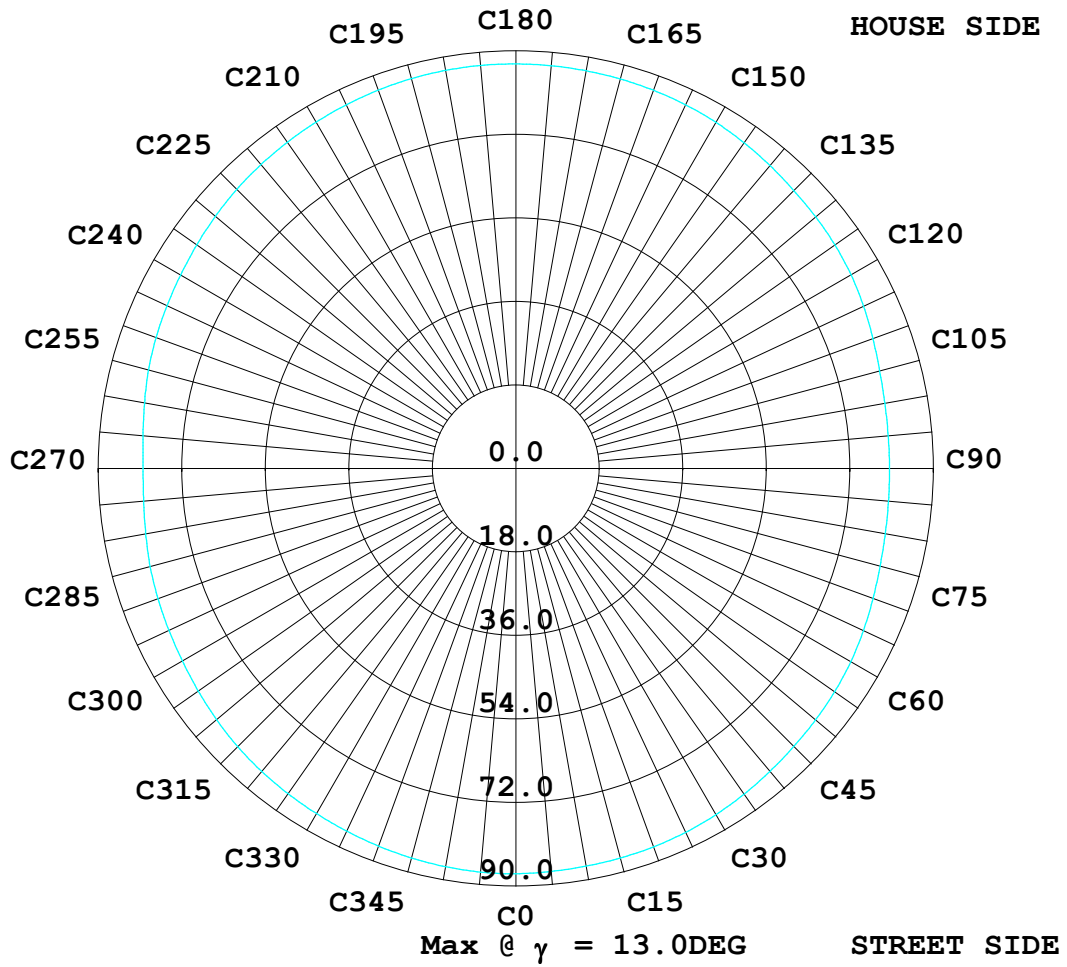
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MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
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SPECIFICATION: LED LINE	DIMENSION: 1005x25x20	SERIAL No.:



Test System: LSG-1600  
 Temperature: 25.3DEG  
 Operators: REGAIP DASTAN  
 Test Date: 03-25-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 53.0%  
 Test Distance: 9.545 m  
 Remarks: LLKS T60 CW 120D 4.8W 24V DC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000088

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLKS T60 CW 120D 4.8W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1005x25X20	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	84.3	84.2	84.1	84.0	84.0	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.3	84.2	84.1
5.0	86.0	85.9	85.3	84.8	84.1	83.4	83.4	83.5	84.1	84.7	85.2	85.5	85.2	85.0	85.0
10.0	87.0	86.7	86.1	85.0	84.0	82.3	81.9	82.3	84.0	85.0	86.0	86.6	86.7	86.5	86.0
15.0	87.3	86.8	86.0	84.3	82.8	80.3	79.4	80.2	82.8	84.4	86.1	86.9	87.3	87.1	86.1
20.0	86.9	86.2	85.2	82.9	80.8	77.6	76.0	77.4	80.8	82.9	85.3	86.3	87.1	86.9	85.4
25.0	86.0	85.1	83.9	80.8	78.1	74.0	71.9	73.8	78.0	80.8	83.9	85.1	86.3	86.0	84.0
30.0	85.0	83.8	82.0	78.2	74.9	69.9	67.3	69.6	74.7	78.0	81.8	83.5	85.0	84.6	81.9
35.0	83.5	82.2	79.9	75.2	71.2	65.4	62.1	64.9	70.7	74.7	79.5	81.8	83.5	82.9	79.8
40.0	81.7	80.1	77.5	72.0	67.0	60.4	56.6	59.9	66.5	71.3	76.8	79.5	81.6	80.9	77.2
45.0	79.5	77.8	74.7	68.5	62.6	55.2	50.9	54.6	61.8	67.4	73.8	77.0	79.4	78.7	74.3
50.0	76.9	74.9	71.4	64.5	58.1	49.7	45.0	49.1	57.1	63.5	70.5	74.1	76.8	76.0	71.0
55.0	73.7	71.6	67.8	60.3	53.2	44.2	39.0	43.4	52.1	59.0	66.7	70.8	73.7	72.9	67.4
60.0	69.9	67.6	63.6	55.7	48.2	38.7	33.1	37.8	47.0	54.3	62.7	67.1	70.3	69.4	63.5
65.0	65.4	63.0	59.1	50.8	43.0	33.1	27.1	32.0	41.7	49.5	58.3	62.8	66.2	65.3	59.0
70.0	60.4	58.1	54.2	45.9	37.9	27.6	21.4	26.6	36.5	44.5	53.5	58.1	61.6	60.7	54.3
75.0	55.1	52.7	49.1	40.8	32.7	22.2	15.8	21.1	31.3	39.6	48.5	53.2	56.6	55.8	49.5
80.0	49.6	47.4	43.9	35.8	27.8	17.3	10.7	16.1	26.3	34.7	43.5	48.0	51.3	50.6	44.4
85.0	44.3	42.1	38.9	31.2	23.4	13.0	6.28	11.8	21.9	30.1	38.7	42.9	46.1	45.4	39.5
90.0	40.2	38.3	34.9	27.6	19.7	9.65	2.64	8.29	18.1	26.1	34.1	38.2	41.2	40.5	34.8
95.0	38.2	36.4	33.4	26.4	19.0	9.20	2.45	8.01	17.3	25.0	32.5	36.3	38.6	37.9	32.8
100.0	36.2	34.5	31.6	23.8	15.1	8.19	2.27	7.19	13.9	22.2	30.9	34.5	36.7	36.0	31.3
105.0	32.1	30.3	23.0	20.9	15.3	7.56	2.18	6.10	14.0	19.9	23.9	30.3	32.6	31.8	24.3
110.0	28.1	24.4	21.8	17.8	12.5	5.46	2.27	4.00	11.9	17.5	21.5	23.9	28.8	25.2	21.5
115.0	26.5	23.8	20.5	16.2	11.0	3.37	2.27	2.55	10.4	15.4	20.4	23.5	27.3	24.8	20.3
120.0	24.7	22.8	19.8	15.1	10.2	2.64	2.27	2.45	9.01	14.3	19.6	22.7	25.6	23.9	19.7
125.0	22.8	21.3	18.7	13.9	7.47	2.45	2.18	2.27	6.74	13.4	18.6	21.5	23.8	22.6	19.0
130.0	20.5	19.3	16.9	11.3	5.19	2.36	2.18	2.09	4.73	10.9	16.9	19.8	21.8	20.9	17.4
135.0	17.3	16.1	13.3	7.92	3.00	2.36	2.18	2.27	3.18	8.01	13.9	17.1	19.3	18.4	14.7
140.0	12.3	11.4	9.20	4.64	2.82	2.18	2.09	2.09	3.00	5.37	10.2	12.8	15.3	14.3	11.0
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:03-25-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:53.0%  
Test Distance:9.545 m  
Remarks: LLKS T60 CW 120D 4.8W 24V DC IP44

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000088

<b>MANUFACTURER: FIBERLI</b>	<b>Address:PSL ELEKTRONIK ANTALYA</b>	
<b>NAME: LLKS T60 CW 120D 4.8W 24V DC IP44</b>	<b>TYPE:LED LINE</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:LED LINE</b>	<b>DIMENSION: 1005x25X20</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	84.0	84.0	83.9	83.9	84.0	84.0	84.0	84.1	84.1
5.0	84.6	84.1	83.7	83.3	83.6	83.9	84.6	85.0	85.3
10.0	85.1	83.9	82.9	81.8	82.6	83.6	85.0	85.9	86.6
15.0	84.9	82.8	81.1	79.2	80.8	82.3	84.5	85.8	87.0
20.0	83.7	80.9	78.6	75.8	78.1	80.2	83.2	85.0	86.7
25.0	81.8	78.1	75.3	71.7	74.7	77.5	81.2	83.6	85.7
30.0	79.2	74.8	71.3	66.8	70.6	74.0	78.8	81.7	84.5
35.0	76.2	70.9	66.8	61.6	66.2	70.1	75.8	79.5	82.9
40.0	72.9	66.6	61.9	56.1	61.2	65.9	72.6	77.0	81.0
45.0	69.4	62.2	56.8	50.3	56.0	61.4	68.9	74.1	78.8
50.0	65.5	57.4	51.4	44.4	50.6	56.7	65.0	70.7	76.1
55.0	61.3	52.6	46.0	38.5	45.0	51.8	60.8	67.1	72.9
60.0	56.8	47.6	40.2	32.5	39.3	46.7	56.2	63.0	69.2
65.0	52.2	42.4	34.7	26.6	33.7	41.4	51.3	58.3	64.8
70.0	47.2	37.2	29.2	20.8	28.1	36.2	46.3	53.5	59.9
75.0	42.3	32.1	23.7	15.3	22.6	31.0	41.3	48.3	54.7
80.0	37.3	27.3	18.6	10.2	17.5	26.1	36.3	43.1	49.3
85.0	32.7	22.8	14.2	5.83	13.0	21.7	31.7	38.2	44.0
90.0	28.5	18.9	10.2	2.18	9.20	17.9	27.5	33.8	39.3
95.0	26.8	18.0	9.65	1.91	8.65	17.2	26.3	32.2	37.3
100.0	24.6	14.4	8.74	1.91	7.74	13.4	23.8	30.6	35.4
105.0	21.4	14.7	8.19	1.91	6.92	13.8	20.5	22.6	31.2
110.0	18.5	12.7	6.10	2.00	4.64	11.1	18.0	20.7	24.4
115.0	16.7	10.7	4.09	2.00	3.00	9.74	15.8	19.5	23.8
120.0	15.4	10.0	2.91	2.00	2.82	8.47	14.6	18.8	23.0
125.0	14.6	7.65	2.73	2.09	2.73	5.92	13.5	17.9	21.6
130.0	12.5	5.64	2.45	2.09	2.45	4.00	11.0	16.2	19.7
135.0	9.38	3.64	2.27	2.09	2.18	2.91	7.65	12.7	16.9
140.0	6.55	3.00	2.45	2.09	2.45	2.82	4.64	8.83	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:25.3DEG  
Operators:REGAIP DASTAN  
Test Date:03-25-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:53.0%  
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