

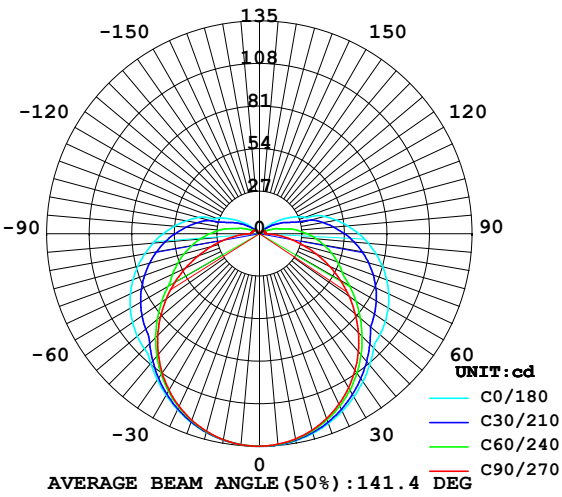
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000096

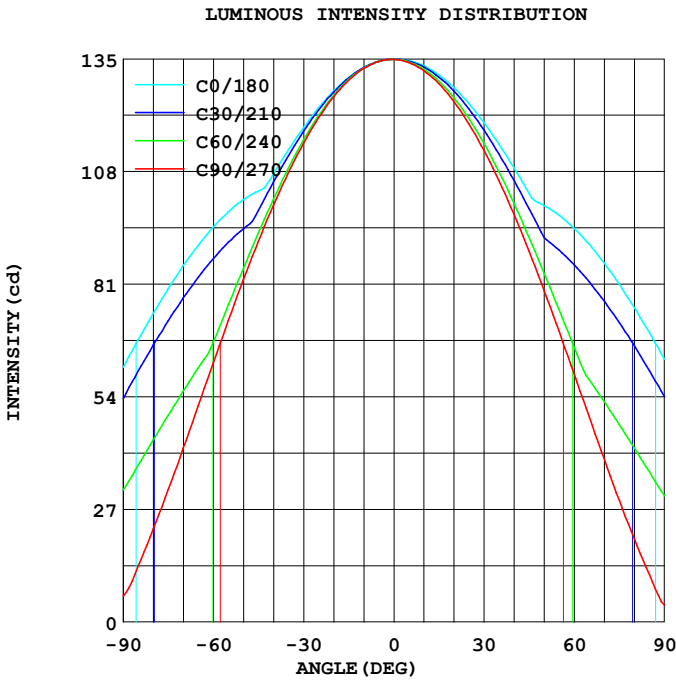
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40X40mm	SERIAL No.:

TEST DATA:					
MODEL:	LLCRN	Imax (cd) :	134.5	η street_up (%) :	6.7
NOMINAL POWER (W) :	7.2	MAXIMUM (C, γ :	45,0.0	η street_down (%) :	45.9
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	576.7	η house_up (%) :	6.9
NOMINAL FLUX (lm) :	576.8	EFFICIENCY (%) :	100.0	η house_down (%) :	40.5
TEST FLUX (lm:	576.7	η up (%) :	13.6		
LAMPS QUANTITY:	1	η down (%) :	86.4		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:24.00V I:0.128A P:7.200W PF:0.518

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-17-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN T90 CW 120D 7.2W 24V IP40D

ZONAL FLUX DIAGRAM

Report number: 2016000096

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	133.9	133.8	133.9	133.7	134.1	134.1	133.6	133.8	0- 5	3.205	3.205
10.0	132.4	132.1	132.2	132.1	132.9	132.7	131.7	132.3	5- 10	9.512	12.71
15.0	130.1	129.2	129.4	129.5	130.7	130.2	128.6	129.7	10- 15	15.51	28.23
20.0	126.9	125.6	125.4	125.9	127.7	126.7	124.3	126.0	15- 20	21.02	49.25
25.0	122.9	120.8	120.5	121.2	123.9	122.2	118.9	121.4	20- 25	25.87	75.12
30.0	118.1	115.2	114.4	115.7	119.3	116.8	112.6	115.8	25- 30	29.91	105.0
35.0	112.8	108.7	107.4	109.3	114.1	110.6	105.4	109.5	30- 35	33.06	138.1
40.0	107.1	101.8	99.57	102.4	108.5	103.8	97.39	102.5	35- 40	35.24	173.3
45.0	102.9	94.29	91.01	94.93	102.4	96.48	88.55	95.02	40- 45	36.45	209.8
50.0	100.9	86.55	81.81	87.00	99.48	88.73	79.17	87.18	45- 50	36.96	246.7
55.0	98.03	80.72	72.06	78.98	97.21	80.90	69.42	79.90	50- 55	37.00	283.7
60.0	94.38	76.34	61.95	74.25	94.02	76.52	59.21	75.52	55- 60	36.47	320.2
65.0	90.01	71.61	51.65	69.69	90.28	72.06	49.01	70.79	60- 65	35.31	355.5
70.0	85.18	66.32	41.54	64.77	85.82	67.23	38.90	65.59	65- 70	33.65	389.2
75.0	79.62	60.67	31.61	59.40	80.72	61.95	29.06	60.03	70- 75	31.42	420.6
80.0	73.70	54.84	22.13	53.84	75.07	56.48	19.86	54.11	75- 80	28.82	449.4
85.0	67.41	48.74	13.30	47.92	69.15	50.65	11.29	48.19	80- 85	25.94	475.4
90.0	60.85	42.45	6.195	41.90	62.77	44.73	4.008	42.00	85- 90	22.76	498.1
95.0	54.11	36.16	5.466	35.89	56.21	38.62	3.644	35.80	90- 95	19.63	517.8
100.0	47.19	29.97	5.193	29.79	49.56	32.52	3.553	29.60	95-100	16.48	534.3
105.0	40.08	21.59	4.919	21.41	42.63	24.41	3.553	21.31	100-105	13.11	547.4
110.0	29.15	15.03	4.646	15.67	30.70	16.94	3.462	14.75	105-110	9.277	556.6
115.0	23.14	10.29	4.464	10.56	25.50	12.20	3.370	10.11	110-115	6.630	563.3
120.0	17.31	6.650	4.282	6.924	19.77	8.199	3.370	6.377	115-120	4.885	568.2
125.0	11.84	3.826	4.099	3.826	14.12	4.737	3.279	3.917	120-125	3.470	571.6
130.0	6.833	3.644	3.917	3.644	9.110	3.826	3.006	3.735	125-130	2.331	574.0
135.0	3.917	3.644	2.915	3.553	4.373	3.644	2.550	3.553	130-135	1.534	575.5
140.0	3.644	3.553	2.733	3.462	3.644	3.553	2.642	3.462	135-140	1.244	576.7
145.0	0	0	0	0	0	0	0	0	140-145	0	576.7
150.0	0	0	0	0	0	0	0	0	145-150	0	576.7
155.0	0	0	0	0	0	0	0	0	150-155	0	576.7
160.0	0	0	0	0	0	0	0	0	155-160	0	576.7
165.0	0	0	0	0	0	0	0	0	160-165	0	576.7
170.0	0	0	0	0	0	0	0	0	165-170	0	576.7
175.0	0	0	0	0	0	0	0	0	170-175	0	576.7
180.0	0	0	0	0	0	0	0	0	175-180	0	576.7
DEG	LUMINOUS INTENSITY:cd									UNIT: lm	

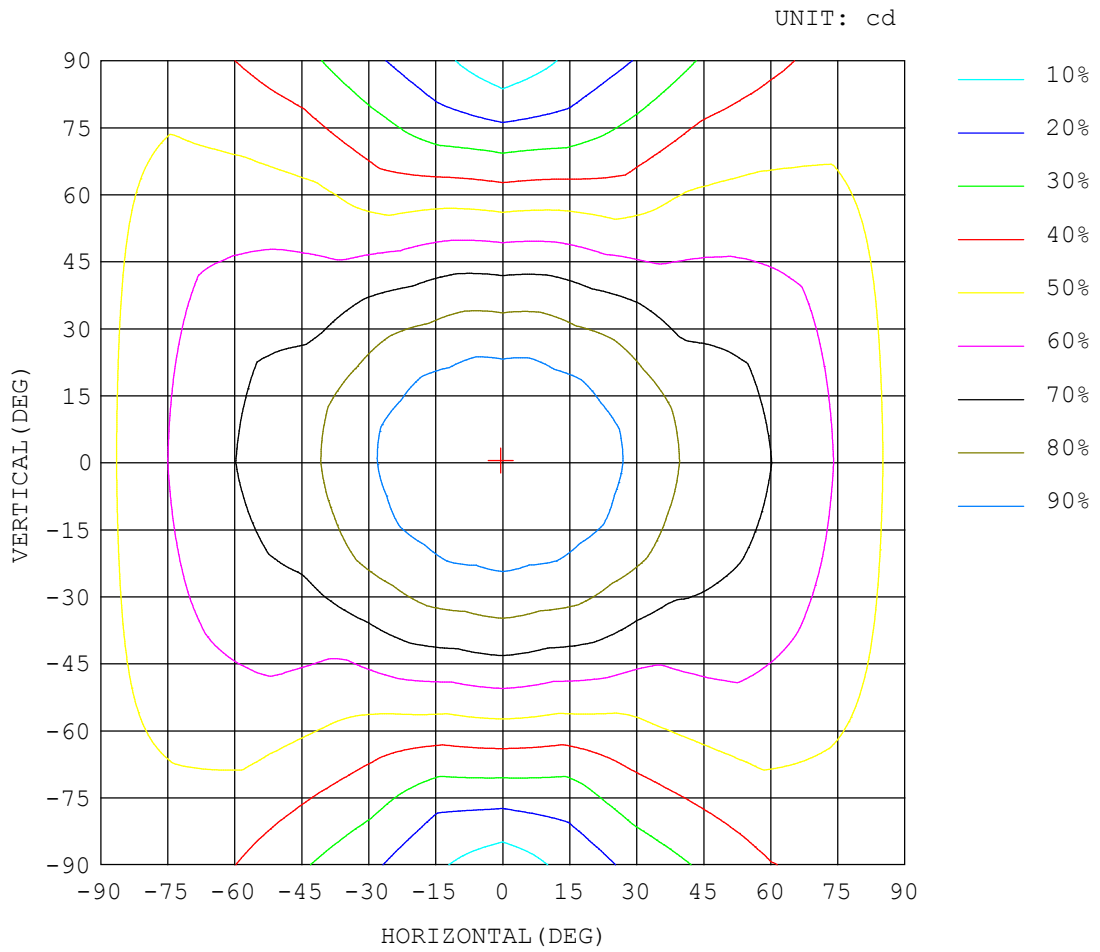
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-17-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN T90 CW 120D 7.2W 24V IP40D

ISOCANDELA DIAGRAM

Report number: 2016000096

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:



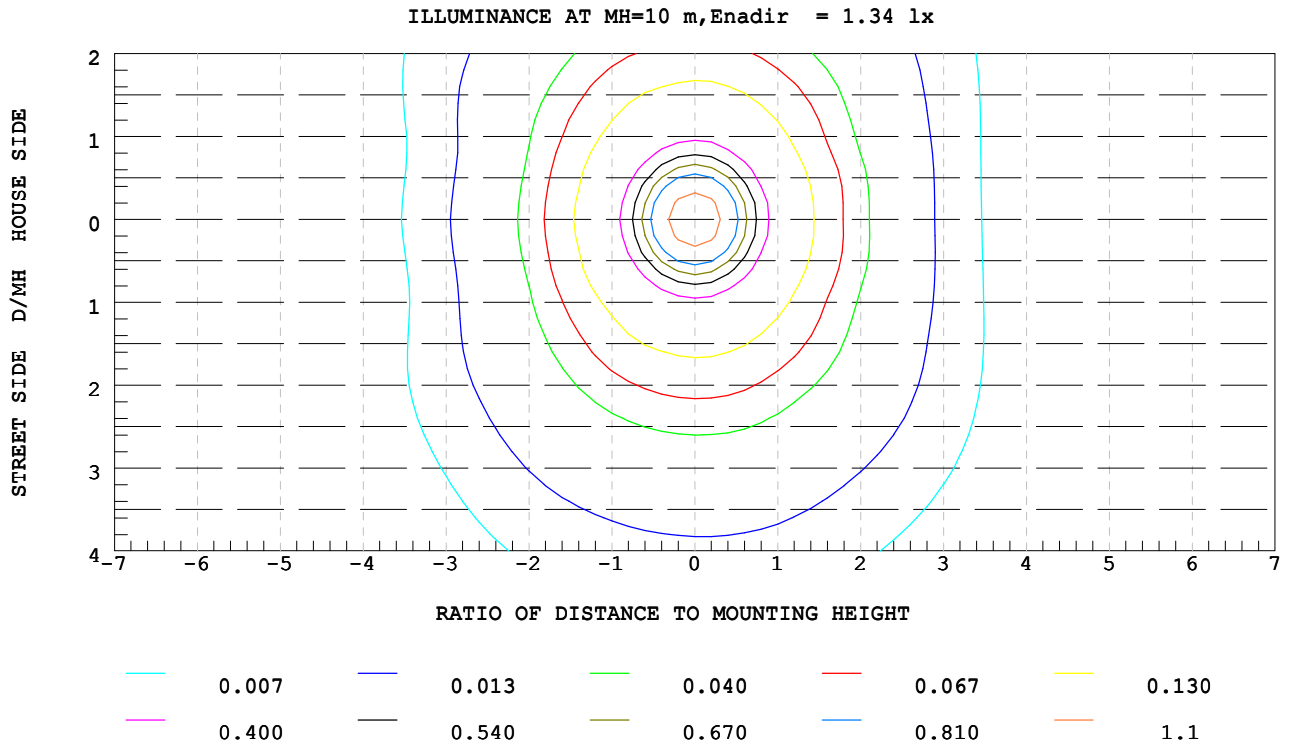
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Operators: REGAIP DASTAN
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ISOLUX DIAGRAM

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NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:



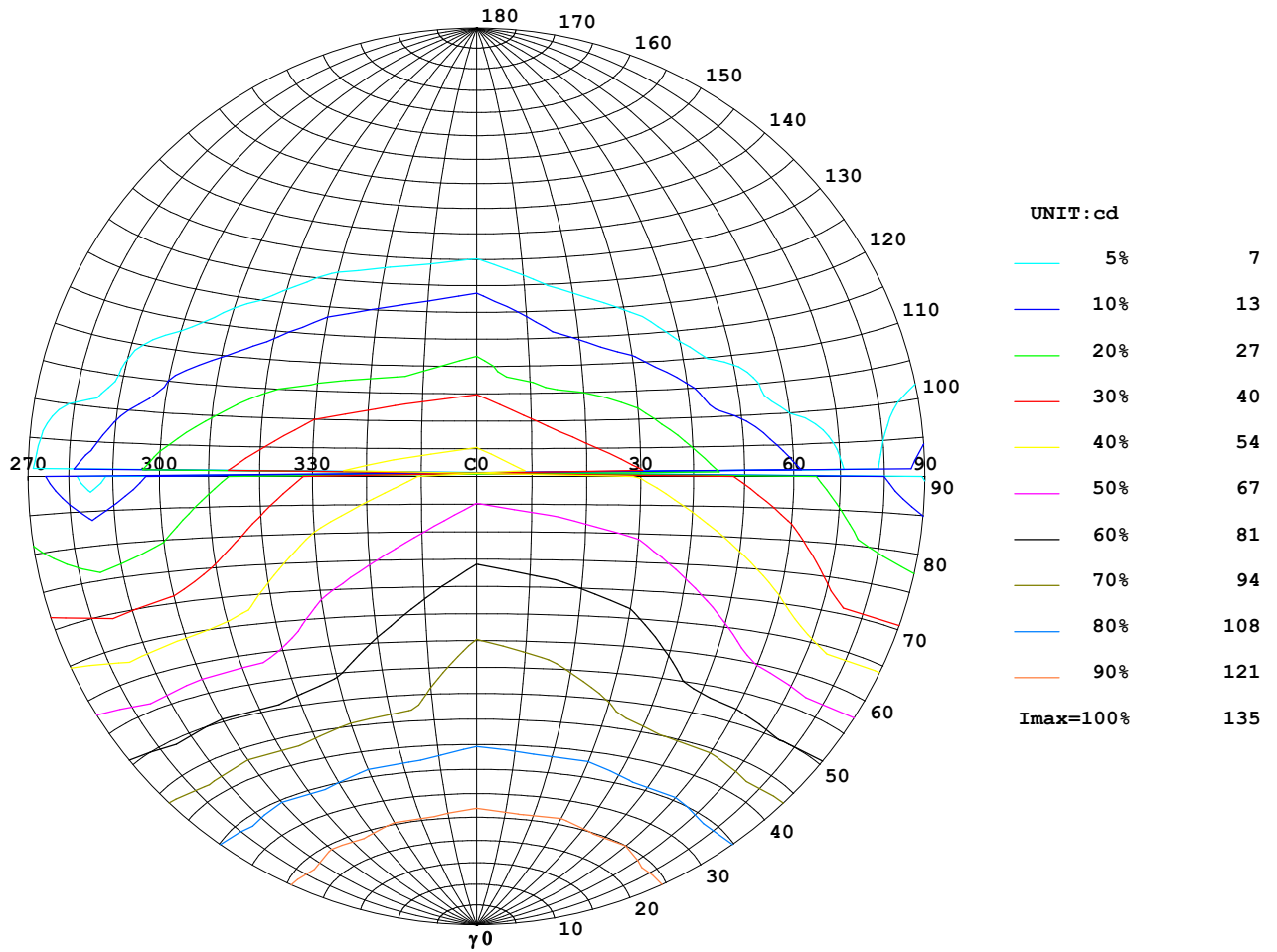
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 03-17-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
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NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:



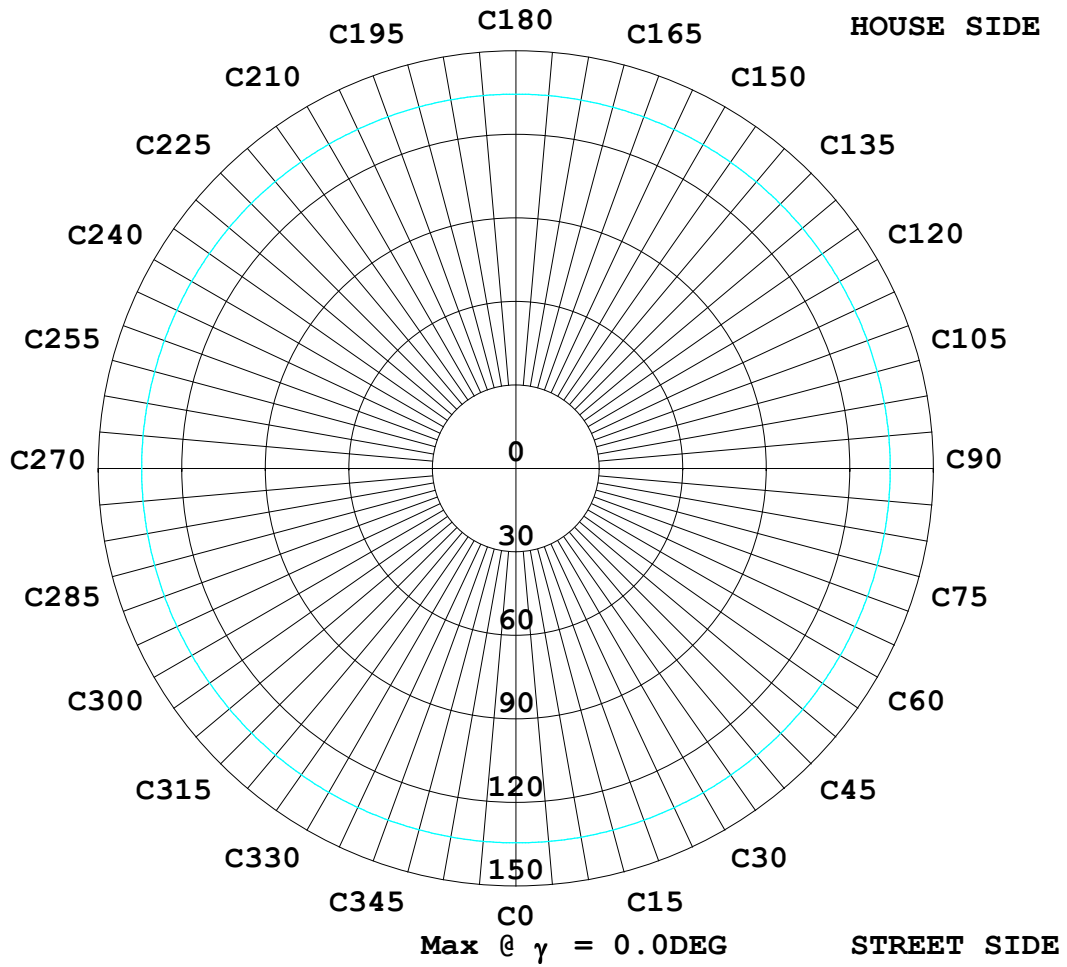
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 03-17-2016

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MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:



Test System: LSG-1600
 Temperature: 25.3DEG
 Operators: REGAIP DASTAN
 Test Date: 03-17-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 52.0%
 Test Distance: 9.545 m
 Remarks: LLCRN T90 CW 120D 7.2W 24V IP40D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000096

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40X40mm	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	134	134	134	135	134	134	134	134	134	134	134	134	134	134	134
5.0	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
10.0	132	132	133	132	132	132	132	132	132	132	133	132	133	133	133
15.0	130	130	130	129	130	129	129	129	130	130	130	130	131	131	130
20.0	127	126	127	126	126	125	125	125	126	126	127	127	128	128	127
25.0	123	122	122	121	121	120	121	120	121	121	123	123	124	124	123
30.0	118	117	117	115	115	113	114	114	116	116	118	118	119	119	118
35.0	113	112	111	109	109	106	107	106	109	109	112	113	114	114	112
40.0	107	106	105	102	101	98.3	99.5	98.6	102	102	106	107	109	109	106
45.0	103	101	98.3	94.2	93.0	89.8	91.0	90.0	93.4	94.9	99.2	101	102	102	98.7
50.0	101	98.3	93.9	86.5	84.4	80.6	81.8	80.9	84.9	87.0	92.1	96.7	99.4	98.3	91.8
55.0	98.0	95.3	90.7	80.7	75.8	71.1	72.0	71.3	76.1	78.9	88.9	94.2	97.2	96.0	88.8
60.0	94.3	91.5	86.8	76.3	66.8	61.4	61.9	61.5	67.0	74.2	85.3	91.0	94.0	92.8	85.3
65.0	90.0	87.1	82.3	71.6	60.6	51.7	51.6	51.7	58.2	69.6	81.3	87.0	90.2	89.0	81.2
70.0	85.1	82.1	77.4	66.3	55.2	42.0	41.5	41.9	52.9	64.7	76.8	82.5	85.8	84.6	76.7
75.0	79.6	76.7	71.9	60.6	49.3	33.8	31.6	32.2	47.2	59.4	71.6	77.4	80.7	79.6	71.5
80.0	73.7	70.6	66.1	54.8	43.4	27.9	22.1	25.6	41.5	53.8	66.1	71.8	75.0	74.0	65.9
85.0	67.4	64.4	59.9	48.7	37.4	22.3	13.3	20.1	35.8	47.9	60.3	65.8	69.1	68.1	60.0
90.0	60.8	57.8	53.3	42.4	31.5	17.0	6.19	15.2	30.0	41.9	54.0	59.5	62.7	61.8	53.8
95.0	54.1	51.0	46.8	36.1	25.6	12.2	5.46	10.6	24.4	35.8	47.7	53.1	56.2	55.3	47.4
100.0	47.1	44.1	40.2	29.9	19.0	7.83	5.19	6.65	17.4	29.7	41.2	46.4	49.5	48.7	40.9
105.0	40.0	36.9	32.0	21.5	13.4	4.37	4.91	4.28	13.0	21.4	34.2	39.5	42.6	41.9	34.0
110.0	29.1	24.1	21.0	15.0	9.01	4.28	4.64	4.19	8.56	15.6	22.0	26.0	30.7	28.0	21.3
115.0	23.1	19.2	16.3	10.2	5.28	4.09	4.46	4.00	5.01	10.5	17.4	20.8	25.5	22.8	16.8
120.0	17.3	14.5	11.8	6.65	4.46	4.00	4.28	3.91	4.37	6.92	12.8	16.3	19.7	18.1	12.4
125.0	11.8	9.83	7.83	3.82	4.28	3.91	4.09	3.82	4.19	3.82	8.92	11.7	14.1	13.2	8.65
130.0	6.83	5.37	4.19	3.64	4.00	3.73	3.91	3.73	4.00	3.64	4.82	7.19	9.11	8.38	4.73
135.0	3.91	3.37	3.91	3.64	3.91	2.64	2.91	2.64	3.91	3.55	3.91	3.37	4.37	4.00	3.27
140.0	3.64	3.37	3.73	3.55	3.64	3.00	2.73	2.73	3.73	3.46	3.73	3.27	3.64	3.64	3.37
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:03-17-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN T90 CW 120D 7.2W 24V IP40D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000096

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN T90 CW 120D 7.2W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	135	134	134	134	134	134	134	134	134
5.0	134	134	134	134	134	134	134	134	134
10.0	133	132	132	132	132	132	132	132	133
15.0	130	129	130	129	129	129	130	130	130
20.0	127	125	125	124	125	125	126	126	127
25.0	122	120	120	119	120	120	121	122	123
30.0	117	114	114	113	114	114	116	116	118
35.0	111	108	107	105	107	107	110	110	113
40.0	104	100	99.6	97.3	99.2	99.0	103	104	107
45.0	96.4	91.8	91.1	88.5	90.6	90.7	95.0	97.1	101
50.0	88.7	83.2	82.0	79.1	81.4	81.9	87.1	91.8	99.0
55.0	80.9	74.5	72.7	69.4	71.9	73.2	79.9	88.5	96.1
60.0	76.5	65.6	62.9	59.2	62.1	64.1	75.5	84.6	92.4
65.0	72.0	57.8	53.2	49.0	52.2	56.4	70.7	80.0	88.1
70.0	67.2	52.6	43.5	38.9	42.5	51.0	65.5	75.0	83.2
75.0	61.9	47.1	34.0	29.0	32.8	45.1	60.0	69.5	77.8
80.0	56.4	41.5	28.0	19.8	26.5	39.3	54.1	63.5	71.8
85.0	50.6	35.8	22.5	11.2	20.9	33.5	48.1	57.4	65.6
90.0	44.7	30.1	17.4	4.00	15.6	27.6	42.0	50.9	59.1
95.0	38.6	24.5	12.6	3.64	11.0	22.1	35.8	44.3	52.3
100.0	32.5	18.4	8.38	3.55	6.65	15.6	29.6	37.8	45.5
105.0	24.4	12.4	4.55	3.55	4.28	10.9	21.3	29.3	38.4
110.0	16.9	8.83	4.09	3.46	4.09	6.55	14.7	18.7	25.3
115.0	12.2	4.73	3.91	3.37	3.91	3.46	10.1	14.4	20.0
120.0	8.19	3.46	3.82	3.37	3.73	3.37	6.37	10.2	15.3
125.0	4.73	3.37	3.64	3.27	3.64	3.37	3.91	6.55	10.4
130.0	3.82	3.37	3.09	3.00	3.18	3.18	3.73	3.37	5.92
135.0	3.64	3.37	2.91	2.55	2.91	3.09	3.55	3.27	3.82
140.0	3.55	3.37	2.91	2.64	2.91	3.18	3.46	3.27	3.55
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:03-17-2016

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