

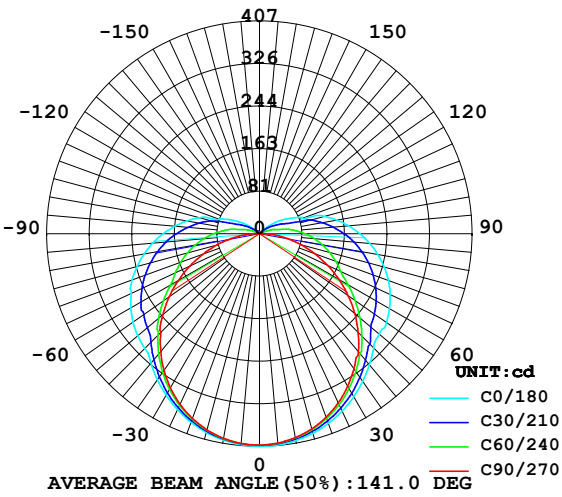
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000100

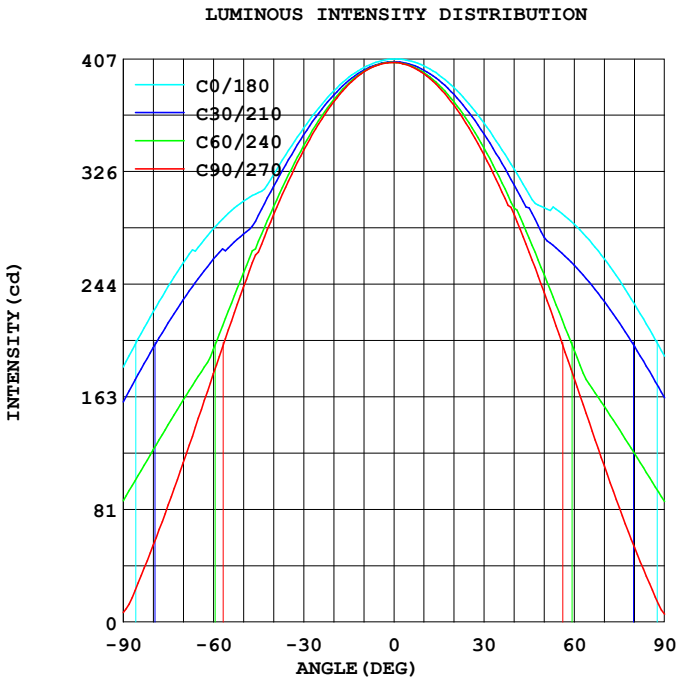
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:

TEST DATA:					
MODEL:	LLCRN	Imax (cd) :	406.8	η street_up (%) :	6.0
NOMINAL POWER (W) :	36	MAXIMUM (C, γ :	0,0.0	η street_down (%) :	46.5
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	2039	η house_up (%) :	6.4
NOMINAL FLUX (lm) :	2038.8	EFFICIENCY (%) :	100.0	η house_down (%) :	41.0
TEST FLUX (lm:	2039	η up (%) :	12.5		
LAMPS QUANTITY:	1	η down (%) :	87.5		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:24.00V I:0A P:26.00W PF:0

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-22-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

ZONAL FLUX DIAGRAM

Report number: 2016000100

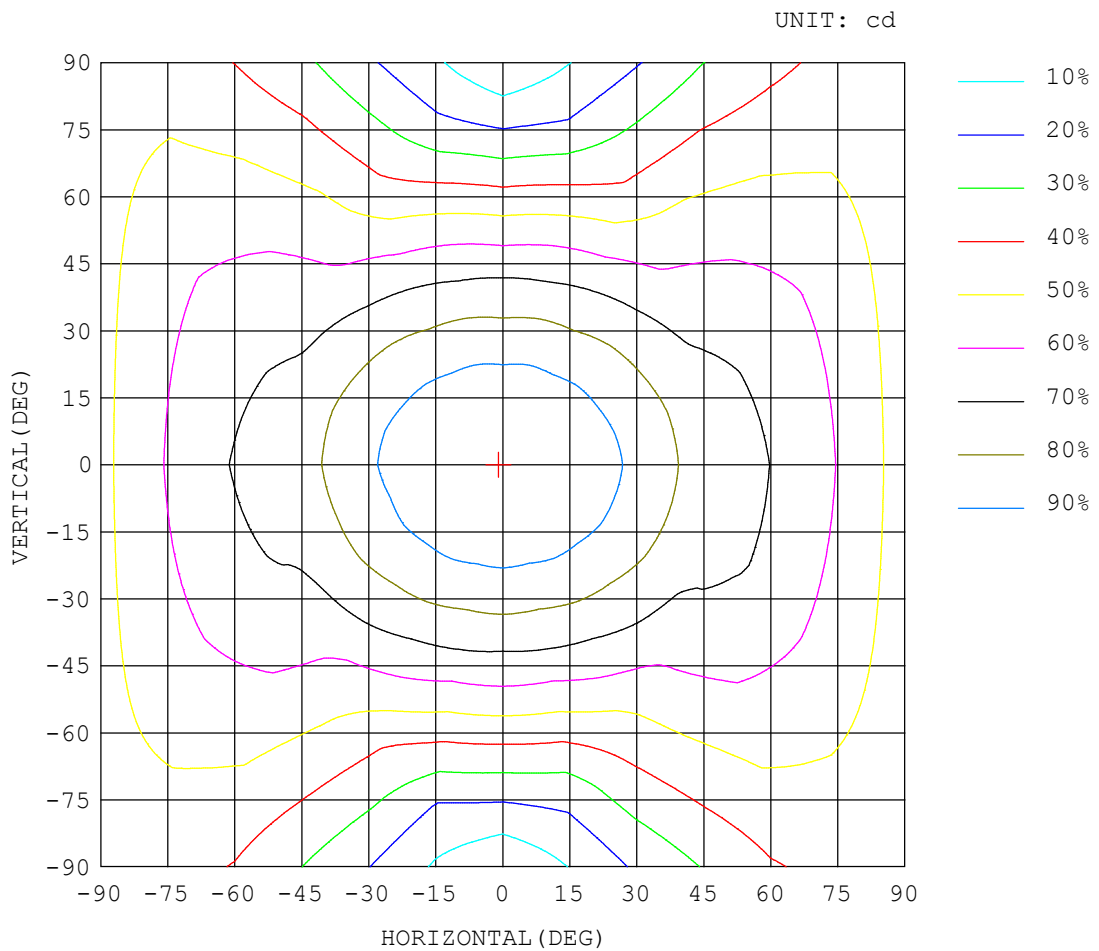
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	404.9	402.6	402.6	402.5	405.6	402.8	402.0	402.3	0- 5	9.648	9.648
10.0	400.5	397.5	397.4	397.6	401.8	398.1	396.0	397.4	5- 10	28.61	38.26
15.0	393.4	389.3	388.4	389.6	395.3	390.2	386.4	389.1	10- 15	46.64	84.90
20.0	383.5	377.9	375.7	378.4	386.1	379.2	373.4	377.8	15- 20	63.16	148.0
25.0	371.1	363.4	359.8	364.0	374.3	365.3	357.0	363.4	20- 25	77.65	225.7
30.0	356.8	346.2	340.6	347.2	360.4	348.5	337.5	346.2	25- 30	89.70	315.4
35.0	340.7	326.6	318.6	327.6	344.6	329.7	315.5	326.8	30- 35	98.99	414.4
40.0	323.0	304.9	294.0	306.0	327.4	308.5	294.5	305.2	35- 40	105.4	519.8
45.0	310.3	285.8	267.3	286.8	308.9	285.9	267.1	282.1	40- 45	109.1	628.9
50.0	304.0	261.5	241.7	262.2	299.3	266.3	238.2	262.0	45- 50	110.8	739.8
55.0	295.2	242.9	211.0	236.8	296.7	241.8	207.5	238.9	50- 55	110.9	850.7
60.0	284.1	229.5	179.3	221.2	287.4	227.8	176.0	225.3	55- 60	109.1	959.8
65.0	270.8	214.6	147.1	207.3	276.0	214.4	144.3	210.6	60- 65	105.3	1065
70.0	259.4	198.3	115.0	192.1	262.4	199.7	112.6	194.5	65- 70	100.2	1165
75.0	242.4	181.1	84.45	175.9	247.1	183.9	82.36	177.4	70- 75	93.30	1259
80.0	224.0	162.7	55.39	158.7	229.8	167.3	54.11	159.6	75- 80	85.20	1344
85.0	204.5	143.7	28.15	140.6	211.5	149.6	27.96	141.0	80- 85	76.31	1420
90.0	184.2	124.3	6.741	122.2	192.1	131.4	5.739	121.9	85- 90	66.57	1487
95.0	163.1	104.9	4.737	103.7	172.1	113.0	3.917	103.0	90- 95	56.92	1544
100.0	141.3	85.54	4.555	85.09	150.9	94.38	3.917	84.09	95-100	47.35	1591
105.0	119.2	61.31	4.373	58.12	129.4	69.51	3.917	60.22	100-105	37.16	1628
110.0	82.63	41.08	4.282	42.54	86.36	48.19	3.917	39.44	105-110	25.55	1654
115.0	64.50	26.14	4.190	27.78	72.97	31.06	4.008	23.68	110-115	16.73	1671
120.0	47.01	12.93	4.190	14.48	55.39	18.67	4.099	12.39	115-120	11.52	1682
125.0	30.70	5.010	4.190	5.010	38.72	8.928	3.735	6.013	120-125	7.580	1690
130.0	15.48	4.919	4.190	4.646	23.14	5.921	3.735	5.739	125-130	4.474	1694
135.0	6.741	4.919	4.099	4.646	9.019	5.648	3.826	5.557	130-135	2.502	1697
140.0	6.286	5.010	4.190	4.737	6.104	5.375	4.008	5.284	135-140	1.891	2039
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:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-22-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

Report number: 2016000100

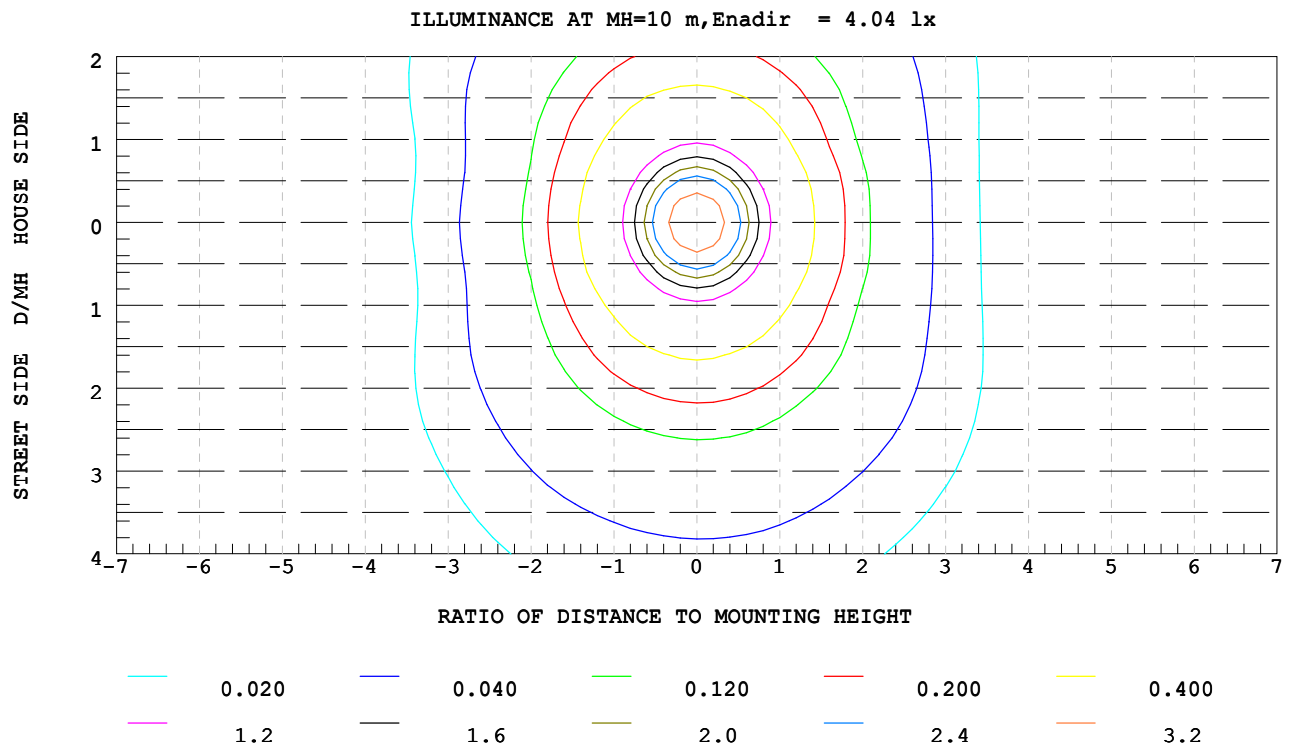


Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

ISOLUX DIAGRAM

Report number: 2016000100

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 24V DC IP40D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:



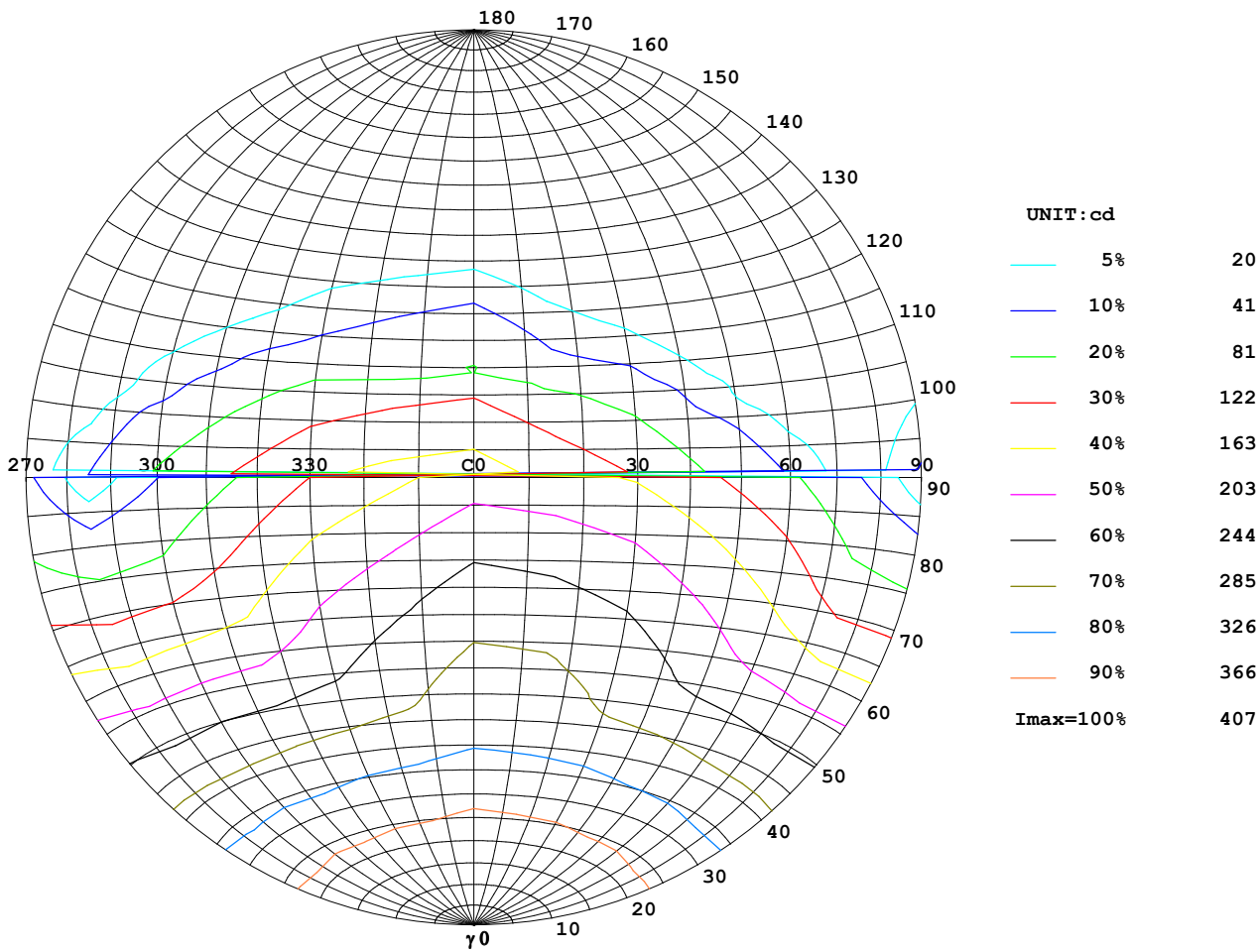
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 03-22-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 52.0%
Test Distance: 9.545 m
Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

ISOCANDELA DIAGRAM

Report number: 2016000100

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 24V DC IP40D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE CRN	DIMENSION: 1015x40x40mm	SERIAL No.:



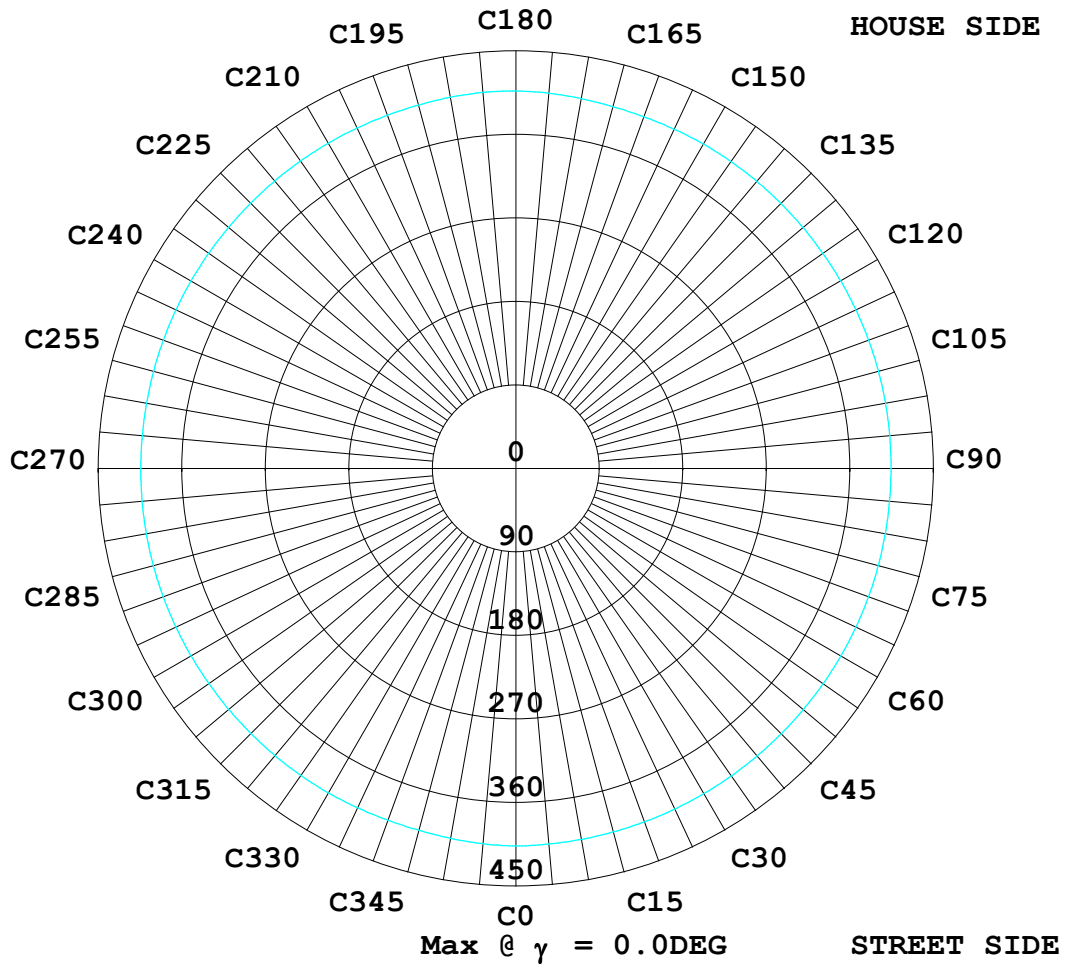
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-22-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

ISOCANDELA DIAGRAM

Report number: 2016000100

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 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: 03-22-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 52.0%
 Test Distance: 9.545 m
 Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000100

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 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	407	406	405	404	404	404	404	405	404	404	404	404	407	406	405
5.0	405	404	403	403	403	402	403	403	403	403	403	402	406	404	403
10.0	401	399	399	398	398	397	397	397	398	398	399	398	402	401	399
15.0	393	392	391	389	389	388	388	388	389	390	391	391	395	394	391
20.0	384	382	381	378	377	375	376	375	378	378	381	382	386	385	381
25.0	371	369	368	363	362	359	360	359	363	364	368	369	374	373	368
30.0	357	354	352	346	344	339	341	340	345	347	353	355	360	358	353
35.0	341	338	334	327	323	317	319	318	324	328	335	339	345	342	335
40.0	323	320	315	305	300	297	294	297	301	306	316	321	327	324	316
45.0	310	304	294	286	275	270	267	270	276	287	295	302	309	306	299
50.0	304	298	280	262	252	241	242	241	253	262	273	293	299	293	278
55.0	295	292	270	243	225	210	211	211	225	237	266	286	297	286	268
60.0	284	280	262	230	197	180	179	180	197	221	256	276	287	277	258
65.0	271	267	248	215	178	150	147	149	169	207	243	264	276	269	246
70.0	259	251	233	198	160	119	115	118	152	192	229	251	262	256	232
75.0	242	234	216	181	143	93.5	84.4	88.3	135	176	214	235	247	241	216
80.0	224	216	198	163	124	75.3	55.3	67.0	117	159	197	218	230	224	199
85.0	205	196	179	144	106	57.9	28.1	50.5	99.6	141	179	200	212	205	181
90.0	184	175	159	124	87.6	41.9	6.74	35.5	82.3	122	160	180	192	186	162
95.0	163	155	139	105	69.7	27.6	4.73	22.3	65.4	104	141	160	172	167	143
100.0	141	133	118	85.5	52.1	14.6	4.55	10.3	46.4	85.0	121	140	151	146	123
105.0	119	111	96.0	61.3	31.7	4.00	4.37	3.73	30.7	58.1	100	119	129	125	102
110.0	82.6	69.0	60.6	41.0	19.8	3.91	4.28	3.82	18.1	42.5	66.5	72.3	86.3	77.3	58.5
115.0	64.5	51.7	41.0	26.1	7.83	4.00	4.19	3.82	7.10	27.7	45.1	55.7	72.9	61.3	44.0
120.0	47.0	38.3	28.5	12.9	5.46	4.09	4.19	3.91	5.28	14.4	31.5	43.6	55.3	48.4	31.7
125.0	30.7	24.7	17.2	5.01	5.28	4.09	4.19	3.91	5.10	5.01	20.4	30.4	38.7	34.5	21.1
130.0	15.4	11.4	6.65	4.91	5.10	4.19	4.19	4.00	5.01	4.64	8.92	17.2	23.1	20.4	9.83
135.0	6.74	5.55	6.10	4.91	5.01	4.19	4.09	4.00	4.82	4.64	5.92	5.46	9.01	7.37	5.28
140.0	6.28	5.55	5.83	5.01	4.91	4.28	4.19	4.00	4.73	4.73	5.64	5.28	6.10	6.10	5.28
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: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 03-22-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 52.0%
Test Distance: 9.545 m
Remarks: LLCRN PT90 CW 120D 36W 24V IP40D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000100

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLCRN PT90 CW 120D 36W 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	404	404	404	404	405	404	404	404	404
5.0	403	402	403	402	403	402	402	402	402
10.0	398	397	397	396	397	396	397	397	398
15.0	390	388	388	386	388	387	389	389	391
20.0	379	376	376	373	375	375	378	379	381
25.0	365	361	360	357	360	359	363	365	369
30.0	349	342	341	338	340	341	346	349	354
35.0	330	322	320	316	319	320	327	331	338
40.0	309	299	296	295	295	300	305	311	320
45.0	286	277	270	267	268	274	282	295	302
50.0	266	251	245	238	244	248	262	278	295
55.0	242	224	216	208	214	220	239	268	286
60.0	228	196	186	176	184	192	225	256	275
65.0	214	172	156	144	153	168	211	242	266
70.0	200	156	126	113	123	150	195	226	251
75.0	184	139	96.6	82.3	93.2	132	177	209	234
80.0	167	122	78.6	54.1	73.0	115	160	191	216
85.0	150	104	61.7	27.9	55.9	96.3	141	172	196
90.0	131	87.0	46.0	5.73	39.9	78.4	122	152	176
95.0	113	70.1	31.9	3.91	25.9	61.4	103	132	156
100.0	94.3	52.2	19.1	3.91	13.1	43.0	84.0	111	134
105.0	69.5	31.5	7.19	3.91	5.64	25.8	60.2	88.7	113
110.0	48.1	21.4	5.46	3.91	5.37	14.5	39.4	50.1	70.7
115.0	31.0	9.56	5.28	4.00	5.19	4.55	23.6	36.2	52.3
120.0	18.6	4.64	5.10	4.09	5.01	4.46	12.3	24.5	39.4
125.0	8.92	4.64	4.64	3.73	4.73	4.46	6.01	14.1	25.9
130.0	5.92	4.73	4.55	3.73	4.64	4.46	5.73	5.28	12.4
135.0	5.64	4.73	4.55	3.82	4.46	4.46	5.55	5.10	6.37
140.0	5.37	4.73	4.37	4.00	4.37	4.46	5.28	5.10	6.10
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:03-22-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity:52.0%
 Test Distance:9.545 m
 Remarks: LLCRN PT90 CW 120D 36W 24V IP40D