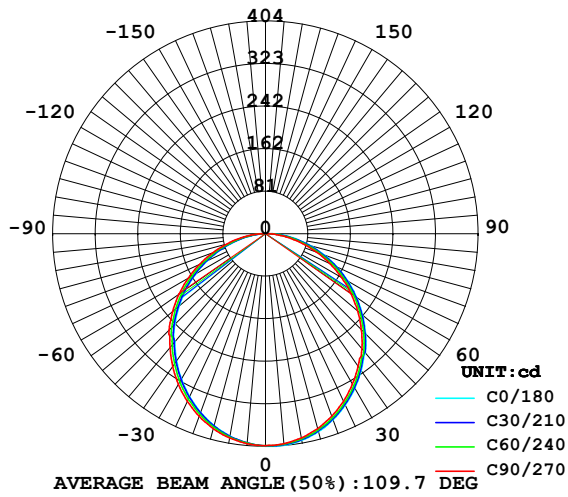
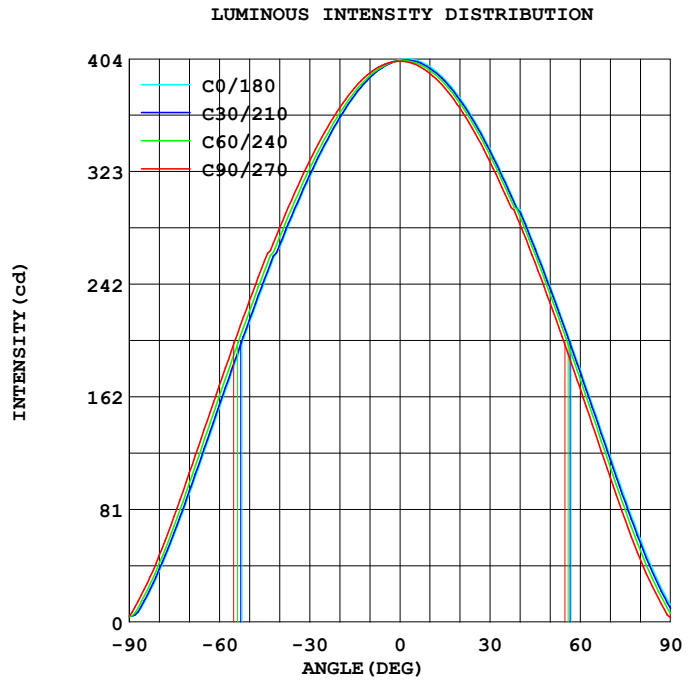


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000013

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:

TEST DATA:					
MODEL:	ERL100	Imax (cd) :	404.0	η street_up (%) :	0.0
NOMINAL POWER (W) :	24	MAXIMUM (C, γ :	180, 2.0	η street_down (%) :	52.0
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	1100	η house_up (%) :	0.0
NOMINAL FLUX (lm) :	1099.7	EFFICIENCY (%) :	100.0	η house_down (%) :	48.0
TEST FLUX (lm) :	1100	η up (%) :	0.0		
LAMPS QUANTITY:	1	η down (%) :	100.0		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

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

Test System: LSG-1600
 Temperature: 25.3 DEG
 Operators: REGAIP DASTAN
 Test Date: 02-06-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.545 m
 Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40

ZONAL FLUX DIAGRAM

Report number: 2016000013

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40	TYPE:LED LINE ERL	WEIGHT:
SPECIFICATION:LED LINE ERL	DIMENSION: 1020x100X58	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	399.3	398.5	400.3	401.0	403.3	401.8	400.2	398.7	0- 5	9.589	9.589
10.0	390.3	390.2	393.8	395.5	398.4	397.0	393.6	391.2	5- 10	28.35	37.93
15.0	377.5	377.9	383.2	385.7	389.3	387.8	383.1	379.3	10- 15	45.92	83.86
20.0	361.1	361.7	369.0	371.8	375.9	374.5	368.7	363.8	15- 20	61.65	145.5
25.0	341.4	342.5	351.3	354.8	359.1	358.0	350.8	345.2	20- 25	74.97	220.4
30.0	318.9	320.6	330.7	334.6	339.3	338.2	330.2	323.7	25- 30	85.47	305.9
35.0	294.8	296.7	307.7	311.9	316.8	315.7	307.1	299.8	30- 35	92.90	398.8
40.0	268.4	273.6	282.6	290.7	295.7	291.4	285.0	274.2	35- 40	97.43	496.3
45.0	243.8	245.5	258.9	263.7	269.1	265.0	257.7	250.0	40- 45	98.83	595.1
50.0	214.8	216.2	230.5	235.3	240.7	240.3	228.7	221.0	45- 50	96.88	692.0
55.0	184.4	186.1	200.6	205.9	211.2	211.0	198.4	190.9	50- 55	91.47	783.5
60.0	153.5	155.0	169.7	175.4	181.2	180.4	167.5	159.8	55- 60	83.19	866.7
65.0	122.6	123.6	138.4	144.3	150.0	149.1	135.4	128.5	60- 65	72.38	939.0
70.0	91.83	92.83	106.8	113.3	118.7	117.7	103.5	97.02	65- 70	59.53	998.6
75.0	62.59	63.22	75.98	82.63	88.37	86.55	72.97	67.05	70- 75	45.37	1044
80.0	36.35	36.62	47.55	53.93	59.31	57.21	44.73	39.99	75- 80	30.93	1075
85.0	13.84	14.39	23.23	28.88	33.43	31.43	21.04	16.85	80- 85	17.44	1092
90.0	3.917	3.006	4.282	8.108	12.20	9.292	3.097	4.008	85- 90	6.360	1100
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT: lm	

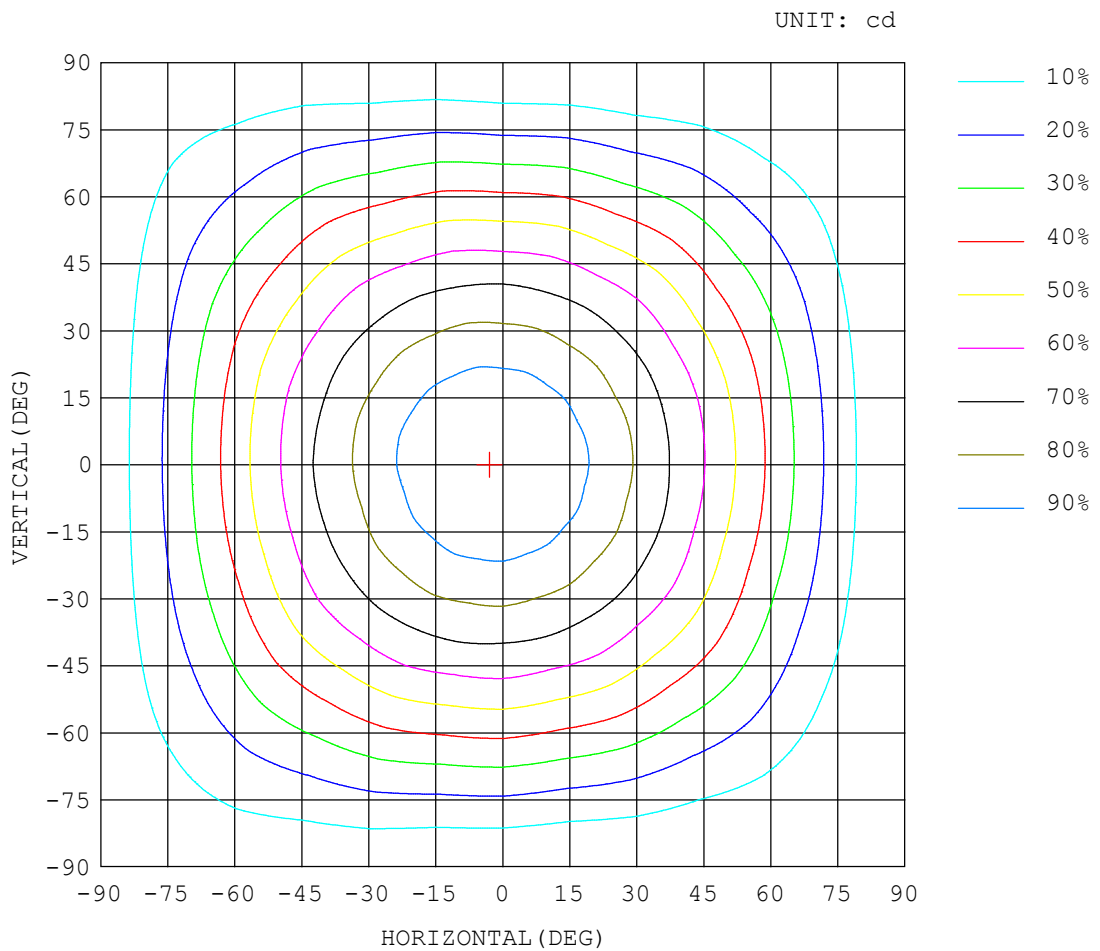
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40

ISOCANDELA DIAGRAM

Report number: 2016000013

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



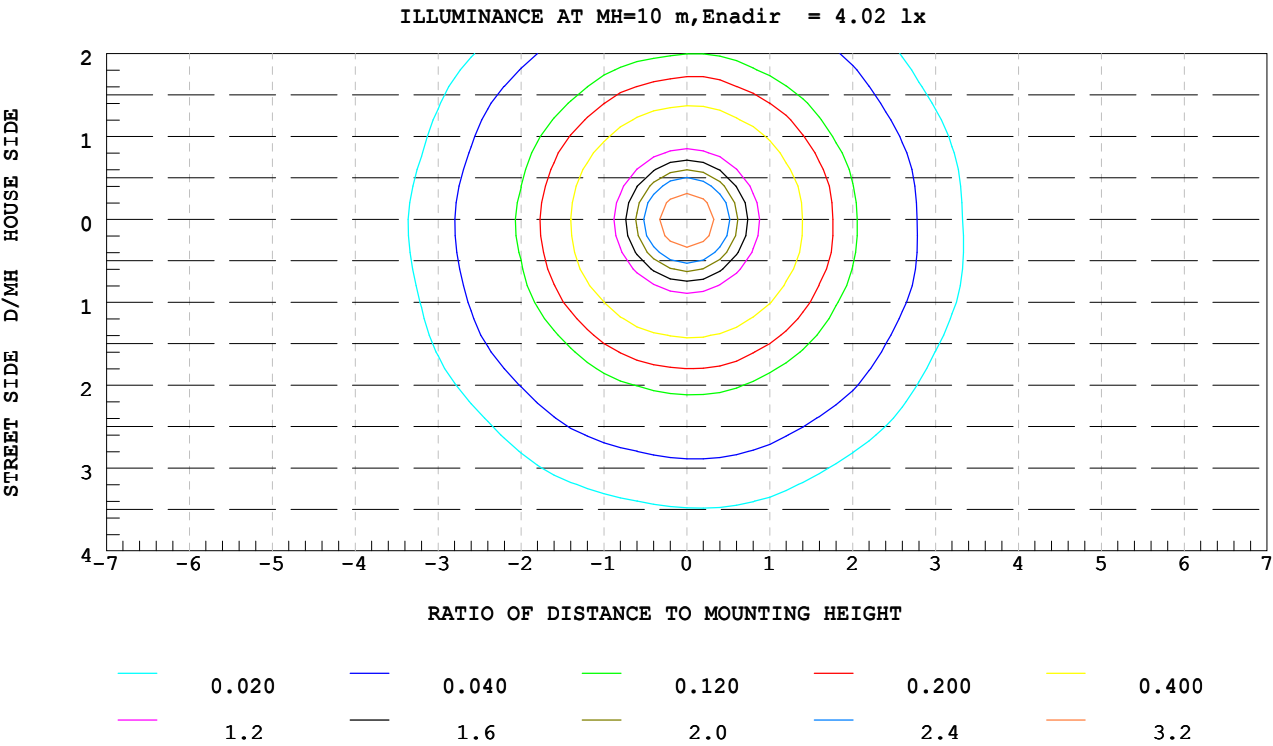
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-06-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 9.545 m
Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40

ISOLUX DIAGRAM

Report number: 2016000013

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40	TYPE:LED LINE ERL	WEIGHT:
SPECIFICATION:LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



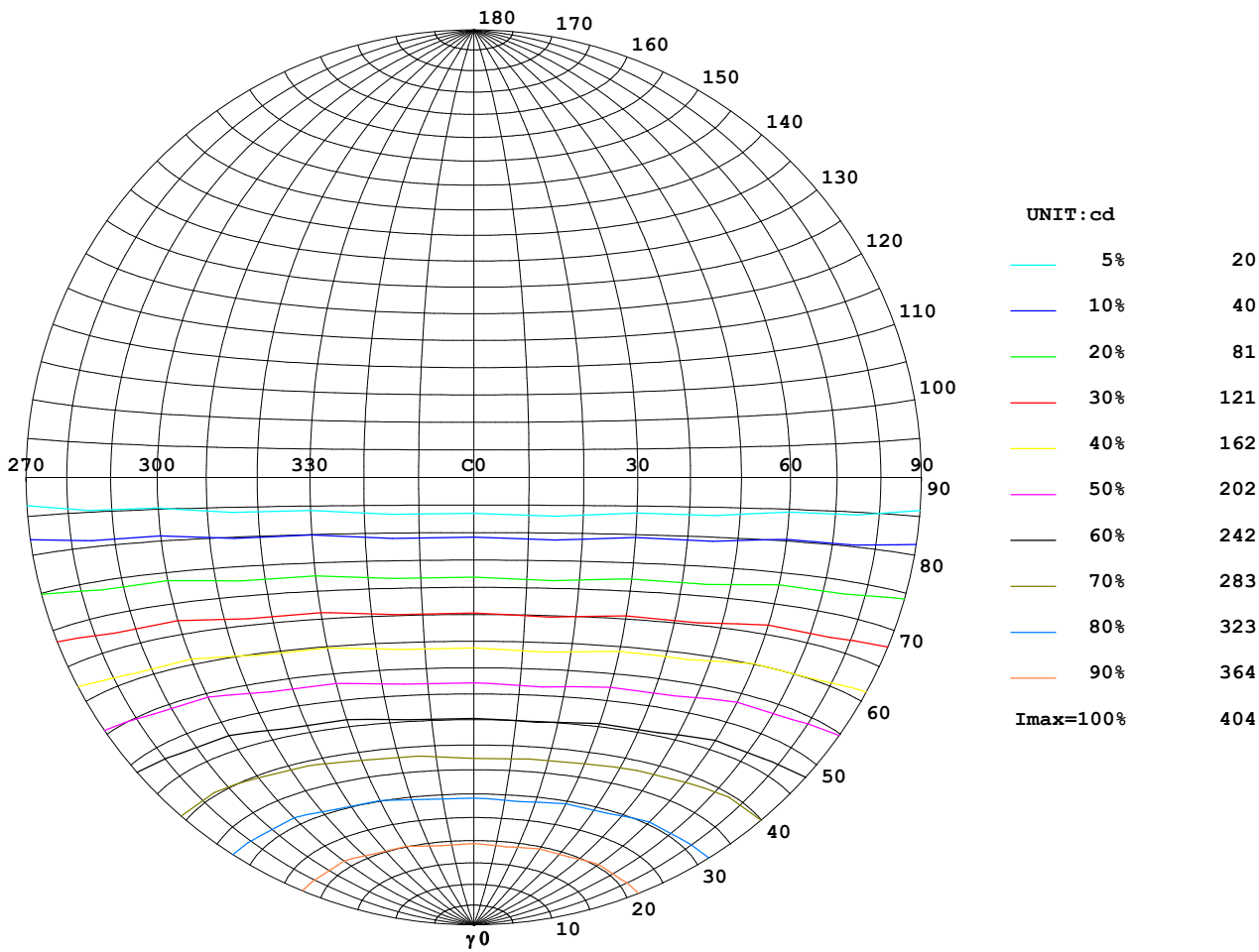
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40

ISOCANDELA DIAGRAM

Report number: 2016000013

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40	TYPE:LED LINE ERL	WEIGHT:
SPECIFICATION:LED LINE ERL	DIMENSION: 1020x100X58	SERIAL No.:



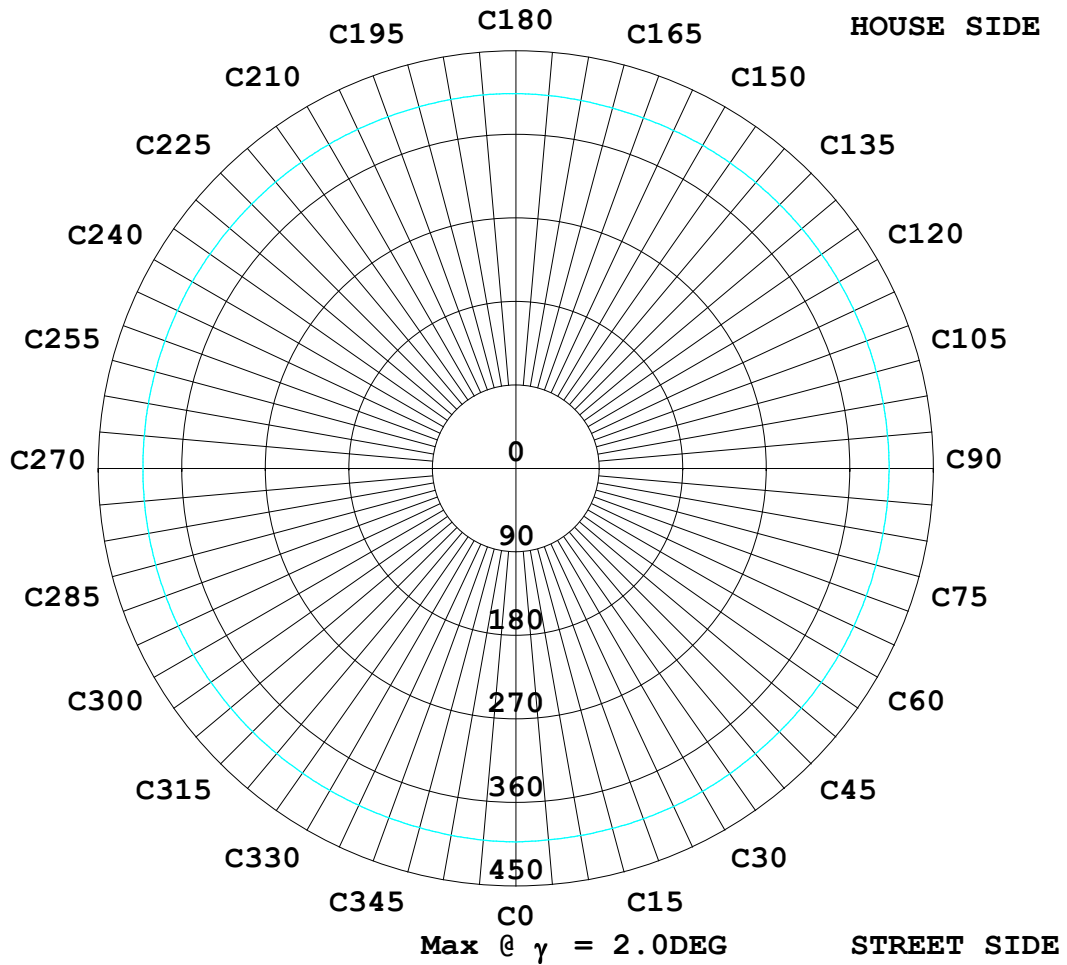
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT30 CW 120D 24W 24V DC IP4

ISOCANDELA DIAGRAM

Report number: 2016000013

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40	TYPE:LED LINE ERL	WEIGHT:
SPECIFICATION:LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



Test System:LSG-1600
 Temperature:25.3DEG
 Operators:REGAIP DASTAN
 Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.545 m
 Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000013

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40				TYPE:LED LINE ERL	WEIGHT:		
SPECIFICATION:LED LINE ERL				DIMENSION: 1020x100X58	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		404	403	403	403	403	402	402	402	402	402	402	402	404	403	403
5.0		399	398	399	399	399	400	400	400	401	401	401	401	403	403	402
10.0		390	389	391	390	392	392	394	394	396	396	396	396	398	398	397
15.0		378	376	378	378	380	381	383	384	386	386	387	386	389	389	388
20.0		361	360	362	362	365	366	369	370	372	372	374	373	376	376	375
25.0		341	340	343	343	347	348	351	352	355	355	357	356	359	360	358
30.0		319	317	321	321	325	326	331	331	335	335	337	336	339	340	338
35.0		295	296	297	297	302	303	308	308	313	312	315	313	317	318	315
40.0		268	270	270	274	276	280	283	287	288	291	290	292	296	294	294
45.0		244	241	246	246	252	253	259	259	264	264	265	265	269	268	268
50.0		215	212	217	216	223	223	231	231	236	235	240	237	241	243	239
55.0		184	182	187	186	193	194	201	201	207	206	210	208	211	214	210
60.0		154	151	156	155	162	162	170	170	176	175	180	178	181	184	179
65.0		123	119	125	124	131	131	138	139	145	144	150	147	150	153	148
70.0		91.8	89.0	93.7	92.8	99.3	99.6	107	107	114	113	118	116	119	121	116
75.0		62.5	59.9	64.2	63.2	69.0	69.2	75.9	76.5	83.0	82.6	87.8	85.8	88.3	90.4	85.8
80.0		36.3	33.8	37.7	36.6	41.8	41.5	47.5	47.9	54.2	53.9	59.0	57.1	59.3	61.1	56.6
85.0		13.8	12.1	15.0	14.3	18.4	18.5	23.2	23.7	28.7	28.8	32.9	31.7	33.4	34.8	30.8
90.0		3.91	3.00	4.00	3.00	4.09	3.00	4.28	4.28	7.56	8.10	10.9	10.3	12.2	12.2	9.74

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000013

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: ERL100 PT30 CW 120D 24W 24V DC IP40				TYPE:LED LINE ERL	WEIGHT:		
SPECIFICATION:LED LINE ERL				DIMENSION: 1020x100x58	SERIAL No.:		

UNIT: cd

C (DEG) γ (DEG)		225	240	255	270	285	300	315	330	345
0.0		403	403	402	402	402	402	402	402	402
5.0		402	401	401	400	400	399	399	398	398
10.0		397	396	395	394	393	391	391	389	390
15.0		388	386	385	383	382	380	379	377	377
20.0		375	372	372	369	368	365	364	361	361
25.0		358	355	355	351	350	346	345	342	342
30.0		338	335	335	330	329	325	324	320	320
35.0		316	312	312	307	306	301	300	296	296
40.0		291	291	287	285	281	278	274	272	270
45.0		265	264	264	258	257	251	250	244	246
50.0		240	235	235	229	228	221	221	215	217
55.0		211	205	205	198	198	191	191	185	186
60.0		180	175	174	168	167	160	160	154	155
65.0		149	143	143	135	135	128	129	122	124
70.0		118	111	111	104	104	96.3	97.0	91.1	93.4
75.0		86.5	80.3	79.9	72.9	72.7	66.4	67.0	62.0	63.9
80.0		57.2	51.3	51.1	44.7	44.7	39.1	39.9	35.6	37.5
85.0		31.4	26.4	26.1	21.0	20.9	16.3	16.8	13.2	14.6
90.0		9.29	6.01	5.28	3.09	4.09	3.00	4.00	3.00	3.91

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT30 CW 120D 24W 24V DC IP40