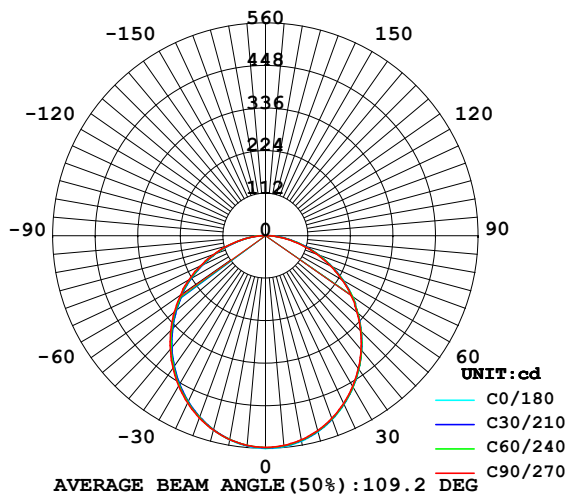
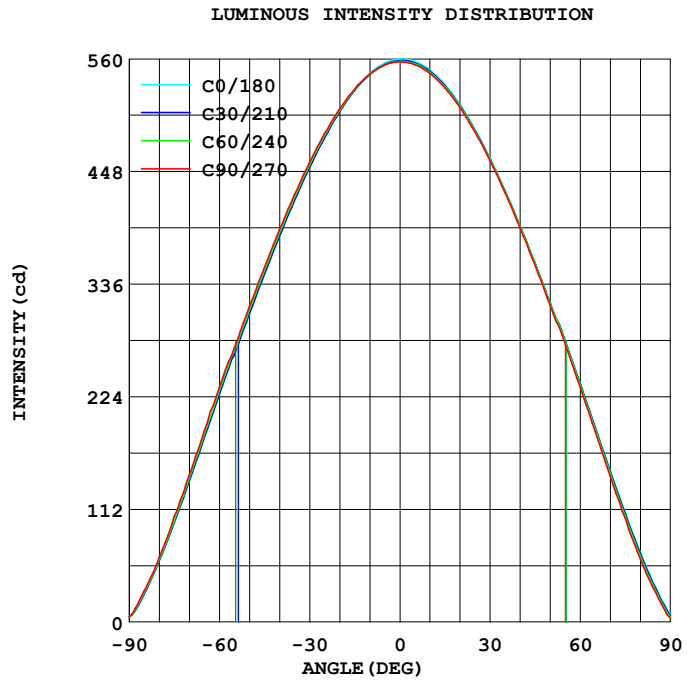


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000014

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:

TEST DATA:					
MODEL:	ERL100	Imax (cd) :	560.1	η street_up (%) :	0.0
NOMINAL POWER (W) :	36	MAXIMUM (C, γ :	0,0.0	η street_down (%) :	53.5
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	1724	η house_up (%) :	0.0
NOMINAL FLUX (lm) :	1524.6	EFFICIENCY (%) :	100.0	η house_down (%) :	46.5
TEST FLUX (lm) :	1725	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:0.315A P:36.00W PF:0.596

Test System: LSG-1600
 Temperature: 25.3 DEG
 Operators: REGAIP DASTAN
 Test Date: 02-05-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.545 m
 Remarks: ERL100 PT45 CW 120D 36W 24V DC II

ZONAL FLUX DIAGRAM

Report number: 2016000014

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	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	556.0	553.9	554.1	553.2	557.8	555.9	554.3	553.2	0- 5	13.28	13.28
10.0	545.7	543.7	544.9	544.2	549.1	547.8	545.6	544.0	5- 10	39.26	52.54
15.0	529.6	527.8	530.1	529.4	534.7	533.7	531.3	529.0	10- 15	63.61	116.1
20.0	508.2	506.7	510.4	509.2	514.6	514.4	511.7	508.9	15- 20	85.40	201.5
25.0	482.2	481.0	485.9	484.6	489.9	490.6	487.2	484.1	20- 25	103.8	305.4
30.0	452.2	451.3	457.1	455.8	461.4	462.3	458.9	455.2	25- 30	118.4	423.8
35.0	419.4	418.3	425.2	423.5	429.1	430.6	426.9	423.0	30- 35	128.6	552.5
40.0	383.5	382.8	390.1	388.6	393.9	396.3	391.7	388.2	35- 40	134.4	687.0
45.0	345.6	344.9	352.6	351.3	356.9	359.3	354.5	350.7	40- 45	135.7	822.7
50.0	306.3	305.1	313.6	312.1	317.5	320.2	314.8	311.3	45- 50	132.5	955.3
55.0	265.3	267.0	272.5	274.7	279.8	279.7	276.4	270.6	50- 55	125.6	1081
60.0	225.9	224.0	233.2	232.1	237.5	240.6	233.4	231.2	55- 60	115.0	1196
65.0	183.1	180.3	189.8	188.7	193.9	197.2	188.9	187.4	60- 65	100.0	1296
70.0	140.0	137.3	145.9	145.6	150.3	153.2	144.5	144.1	65- 70	82.17	1378
75.0	98.57	95.57	104.7	103.5	108.5	110.2	102.7	101.8	70- 75	62.46	1441
80.0	60.76	57.48	63.95	64.68	69.24	70.69	62.40	62.95	75- 80	42.32	1483
85.0	27.60	25.41	30.79	31.24	34.71	35.71	29.60	29.79	80- 85	23.55	1507
90.0	5.466	3.826	4.919	5.193	8.108	7.288	3.644	5.375	85- 90	7.726	1725
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	

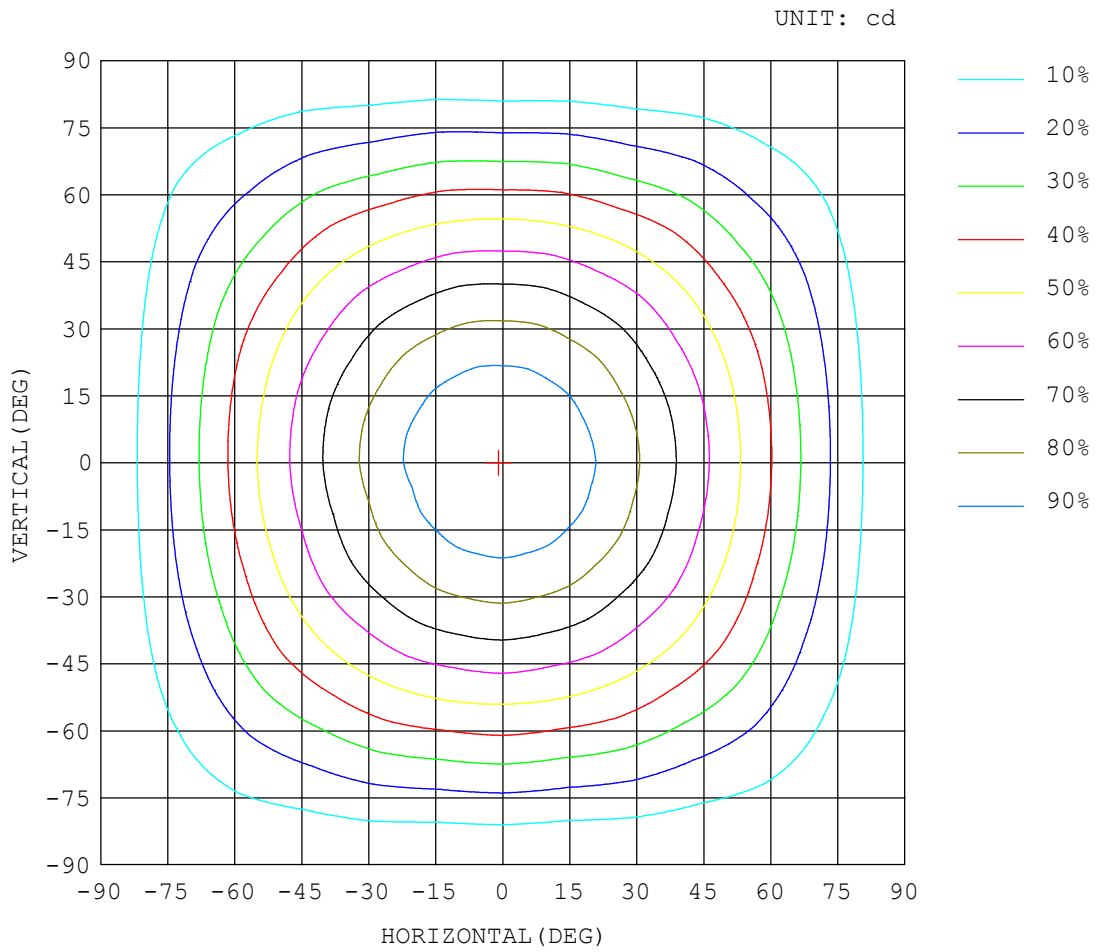
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT45 CW 120D 36W 24V DC II

ISOCANDELA DIAGRAM

Report number: 2016000014

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



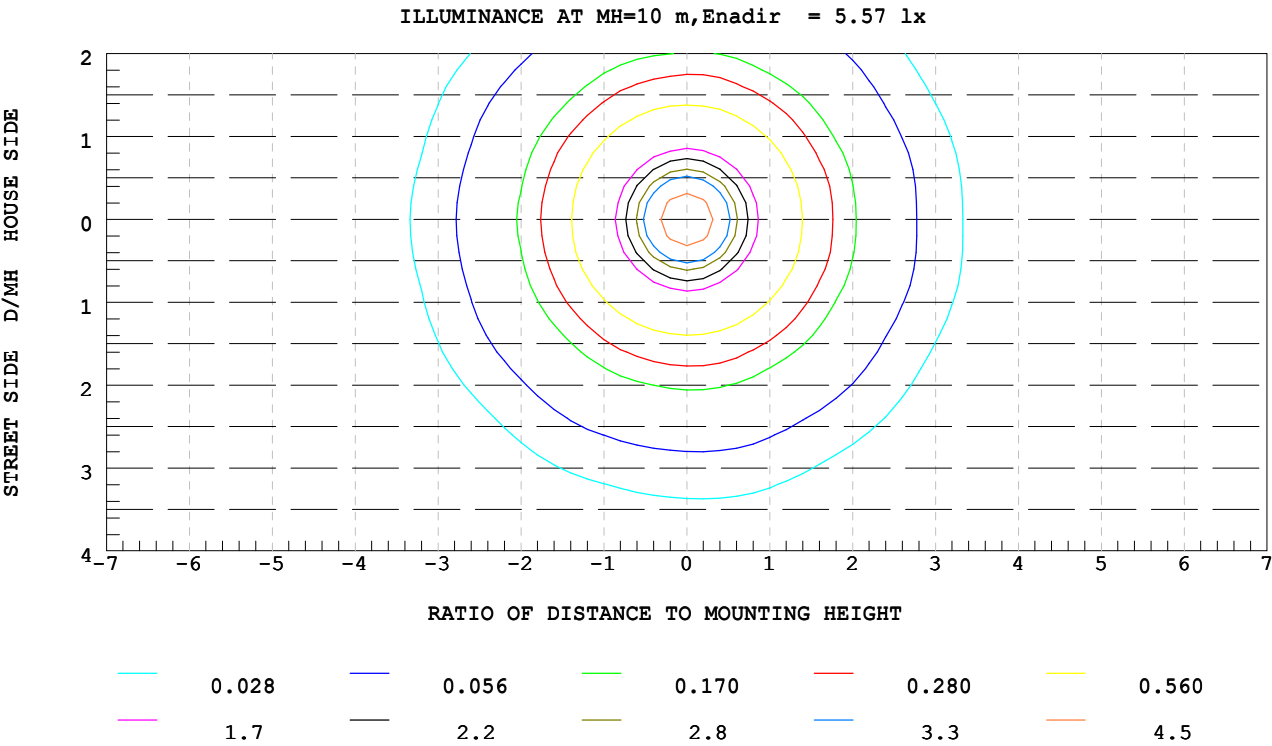
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-05-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 9.545 m
Remarks: ERL100 PT45 CW 120D 36W 24V DC II

ISOLUX DIAGRAM

Report number: 2016000014

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	TYPE:LED LINE ERL	WEIGHT:
SPECIFICATION:LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



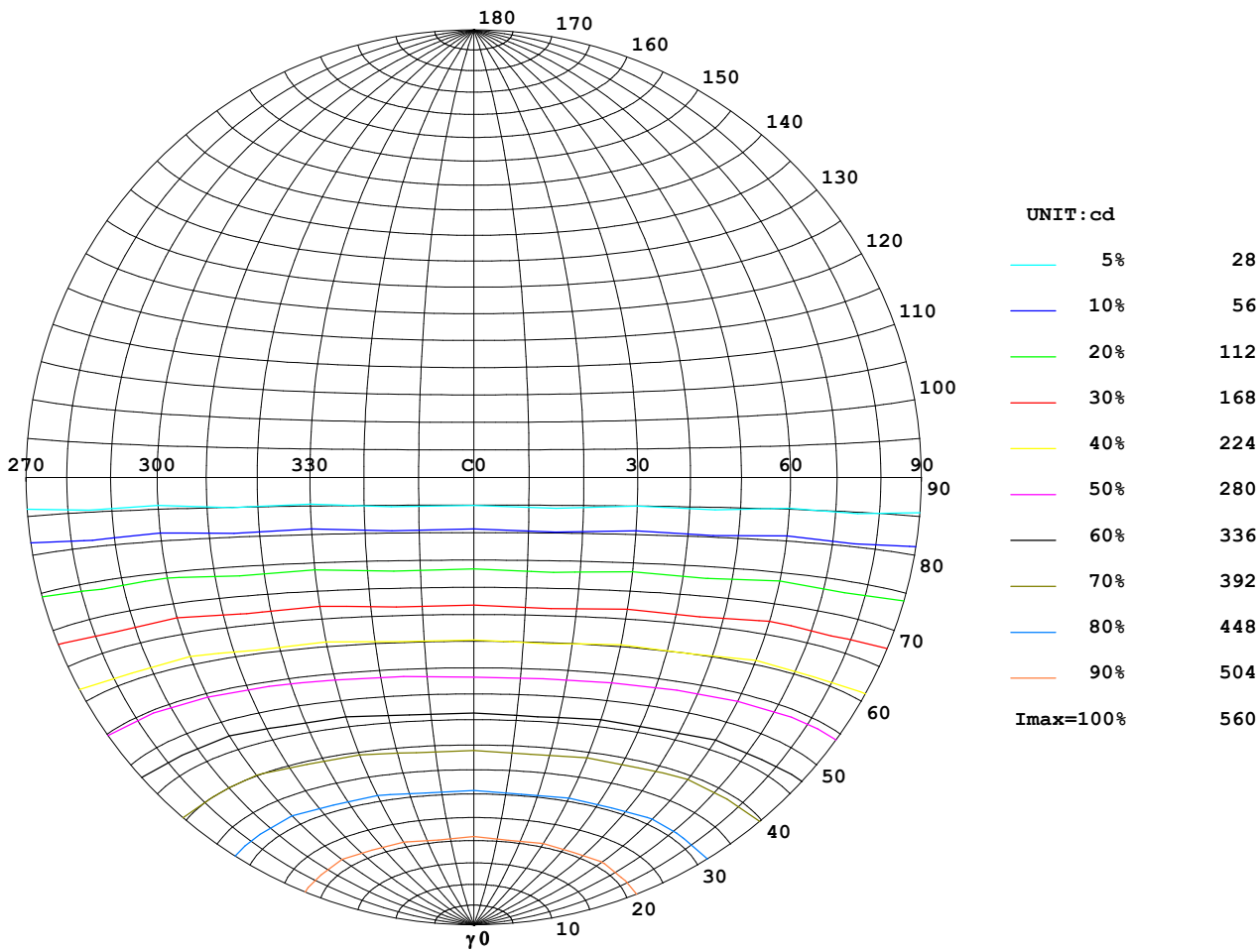
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT45 CW 120D 36W 24V DC II

ISOCANDELA DIAGRAM

Report number: 2016000014

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	TYPE:LED LINE ERL	WEIGHT:
SPECIFICATION:LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



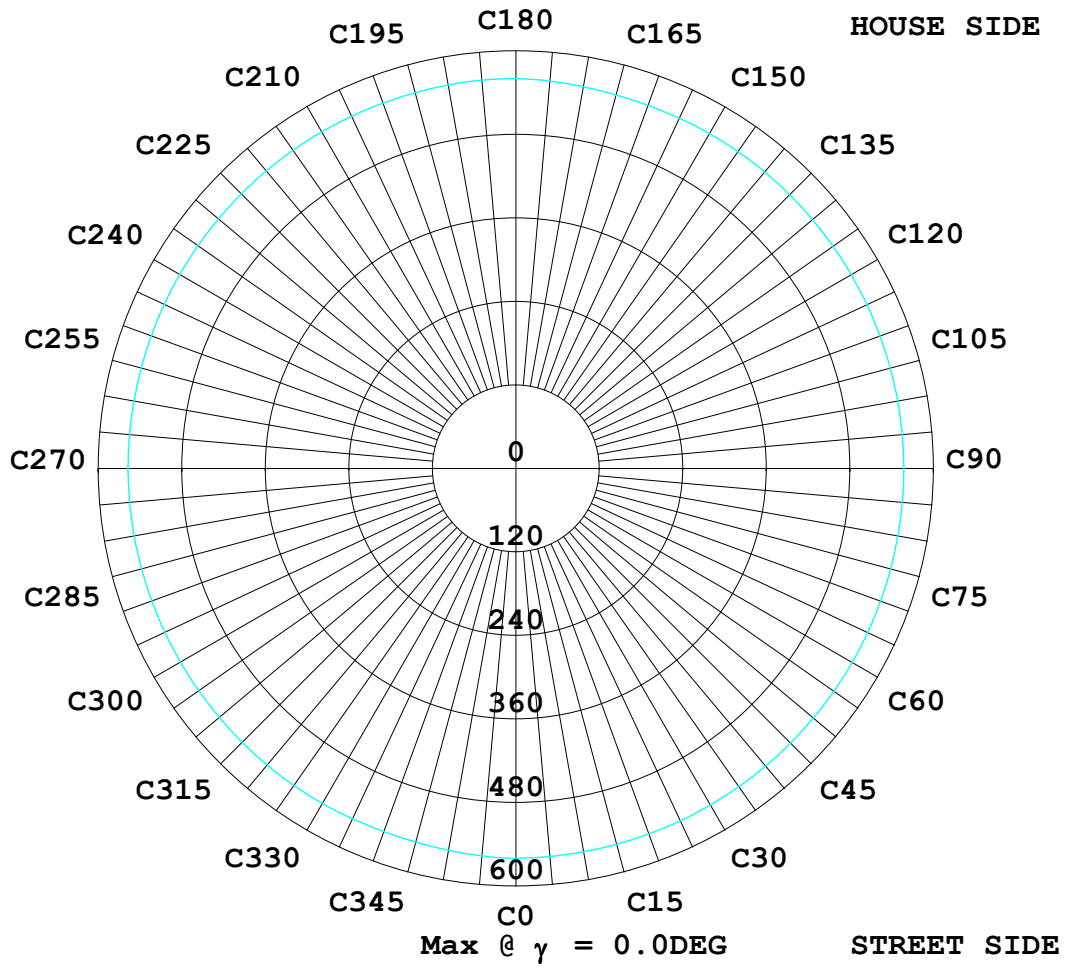
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT45 CW 120D 36W 24V DC II

ISOCANDELA DIAGRAM

Report number: 2016000014

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	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: 02-05-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.545 m
 Remarks: ERL100 PT45 CW 120D 36W 24V DC II

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000014

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44				TYPE:LED LINE ERL		WEIGHT:	
SPECIFICATION:LED LINE ERL				DIMENSION: 1020x100X58		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	560	559	558	558	558	557	557	557	557	556	556	556	560	559	558
5.0	556	555	555	554	554	554	554	554	554	553	553	553	558	557	556
10.0	546	544	544	544	545	544	545	544	545	544	545	544	549	549	548
15.0	530	528	529	528	529	529	530	530	530	529	530	529	535	535	533
20.0	508	506	508	507	509	508	510	509	511	509	510	509	515	515	514
25.0	482	480	482	481	484	483	486	485	486	485	486	484	490	491	489
30.0	452	450	452	451	455	454	457	456	458	456	457	455	461	462	461
35.0	419	417	420	418	422	422	425	423	426	424	426	423	429	430	429
40.0	384	381	384	383	387	386	390	389	391	389	391	388	394	396	394
45.0	346	343	346	345	349	348	353	351	354	351	354	351	357	359	357
50.0	306	303	307	305	310	309	314	311	315	312	315	312	318	320	317
55.0	265	265	266	267	269	271	273	274	274	275	275	275	280	280	280
60.0	226	222	226	224	230	228	233	231	235	232	236	232	238	241	237
65.0	183	179	183	180	186	184	190	187	192	189	193	189	194	198	193
70.0	140	136	140	137	143	140	146	143	149	146	150	147	150	154	149
75.0	98.5	94.6	98.7	95.5	100	97.8	105	101	106	104	108	105	109	112	107
80.0	60.7	56.9	60.7	57.4	61.9	59.0	63.9	61.6	67.0	64.6	69.5	66.3	69.2	72.2	67.7
85.0	27.6	24.8	27.6	25.4	28.6	26.6	30.7	28.7	32.8	31.2	35.0	32.7	34.7	37.0	33.4
90.0	5.46	4.00	5.28	3.82	5.01	3.55	4.91	3.82	6.01	5.19	7.56	6.28	8.10	8.47	6.46

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-05-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT45 CW 120D 36W 24V DC II

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000014

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT45 CW 120D 36W 24V DC IP44	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	558	558	557	557	557	557	556	556	556
5.0	556	555	555	554	554	553	553	552	552
10.0	548	547	547	546	546	544	544	542	543
15.0	534	533	533	531	531	529	529	527	527
20.0	514	513	514	512	512	509	509	506	506
25.0	491	489	490	487	488	484	484	481	481
30.0	462	461	462	459	459	455	455	452	452
35.0	431	428	430	427	427	423	423	419	419
40.0	396	393	396	392	393	388	388	383	384
45.0	359	356	358	355	355	350	351	346	347
50.0	320	317	319	315	316	311	311	306	307
55.0	280	279	278	276	275	272	271	268	267
60.0	241	236	239	233	235	229	231	225	228
65.0	197	192	195	189	192	186	187	182	185
70.0	153	148	151	145	147	141	144	138	142
75.0	110	105	107	103	104	99.0	102	96.9	100
80.0	70.6	65.4	67.7	62.4	65.1	60.2	62.9	58.8	62.1
85.0	35.7	31.5	33.4	29.6	31.3	27.4	29.7	26.1	28.7
90.0	7.28	5.01	5.73	3.64	5.19	3.82	5.37	4.09	5.55