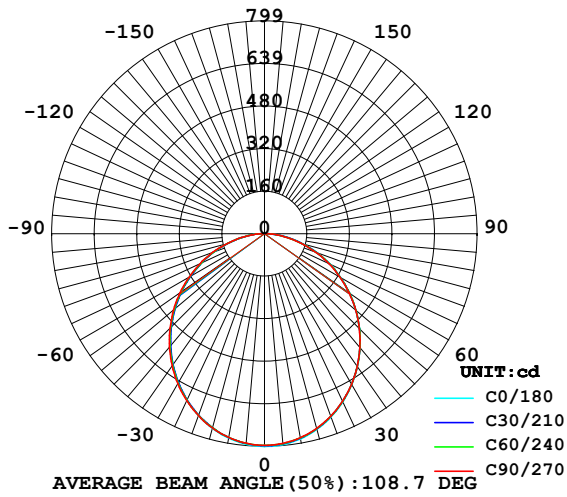
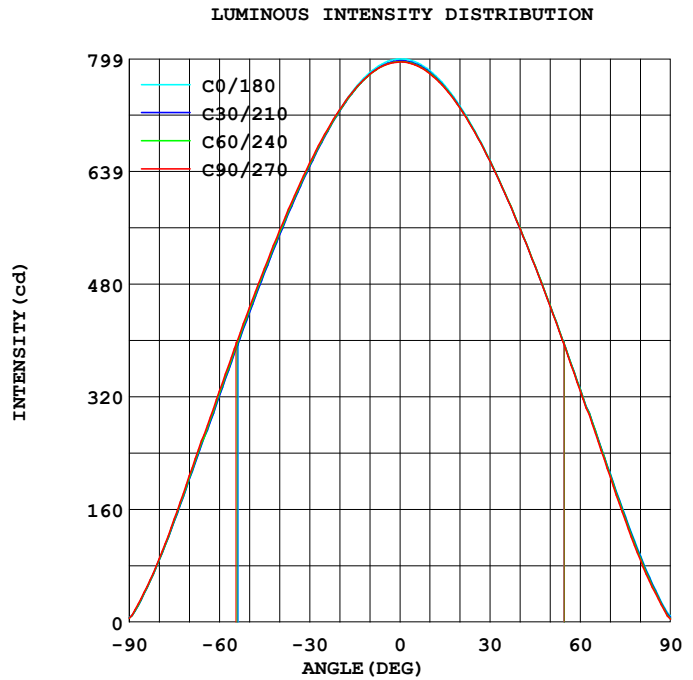


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000015

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT60 CW 120D 48W 24V DC IP44	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:

TEST DATA:					
MODEL:	ERL100	Imax (cd) :	799.3	η street_up (%) :	0.0
NOMINAL POWER (W) :	48	MAXIMUM (C, γ :	0,0.0	η street_down (%) :	53.8
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	2150	η house_up (%) :	0.0
NOMINAL FLUX (lm) :	2149.9	EFFICIENCY (%) :	100.0	η house_down (%) :	46.2
TEST FLUX (lm) :	2150	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:0.422A P:48.00W PF:0.613

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 PT60 CW 120D 48W 24V DC IP44

ZONAL FLUX DIAGRAM

Report number: 2016000015

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT60 CW 120D 48W 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	793.9	790.5	790.3	789.4	795.6	792.5	790.9	789.7	0- 5	18.95	18.95
10.0	779.8	776.3	777.4	776.1	782.7	780.3	778.3	776.6	5- 10	56.02	74.97
15.0	757.1	753.8	756.1	754.5	761.4	759.9	757.7	755.5	10- 15	90.75	165.7
20.0	726.8	724.2	727.4	725.7	732.4	731.7	729.4	726.8	15- 20	121.8	287.5
25.0	690.2	687.4	692.3	690.1	696.8	696.7	694.7	691.2	20- 25	148.0	435.6
30.0	647.5	645.2	651.2	648.5	655.3	656.5	653.9	650.4	25- 30	168.8	604.4
35.0	600.4	598.6	605.2	602.8	608.9	610.8	607.9	604.4	30- 35	183.3	787.8
40.0	549.9	547.7	555.6	552.5	558.9	561.0	558.2	554.1	35- 40	191.5	979.3
45.0	495.8	493.7	501.9	498.9	505.3	508.6	504.6	501.2	40- 45	193.3	1173
50.0	439.2	437.4	445.8	443.4	448.9	452.8	447.7	445.0	45- 50	188.7	1361
55.0	381.2	378.3	387.8	385.0	390.7	394.4	389.2	386.3	50- 55	178.0	1539
60.0	321.0	317.8	327.5	324.8	330.5	334.6	328.0	326.5	55- 60	161.7	1701
65.0	262.2	259.8	265.9	267.3	272.1	273.0	268.4	264.8	60- 65	141.1	1842
70.0	202.3	197.6	207.2	205.0	210.4	213.9	205.4	205.8	65- 70	116.6	1959
75.0	142.7	137.5	146.0	144.8	150.0	153.3	143.6	145.7	70- 75	88.44	2048
80.0	87.73	83.27	89.46	89.64	94.47	96.48	87.73	89.92	75- 80	59.60	2107
85.0	40.36	36.44	42.00	41.81	45.64	47.10	40.45	41.72	80- 85	32.71	2140
90.0	6.286	4.099	5.284	5.284	8.199	7.652	3.644	5.921	85- 90	10.01	2150
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	

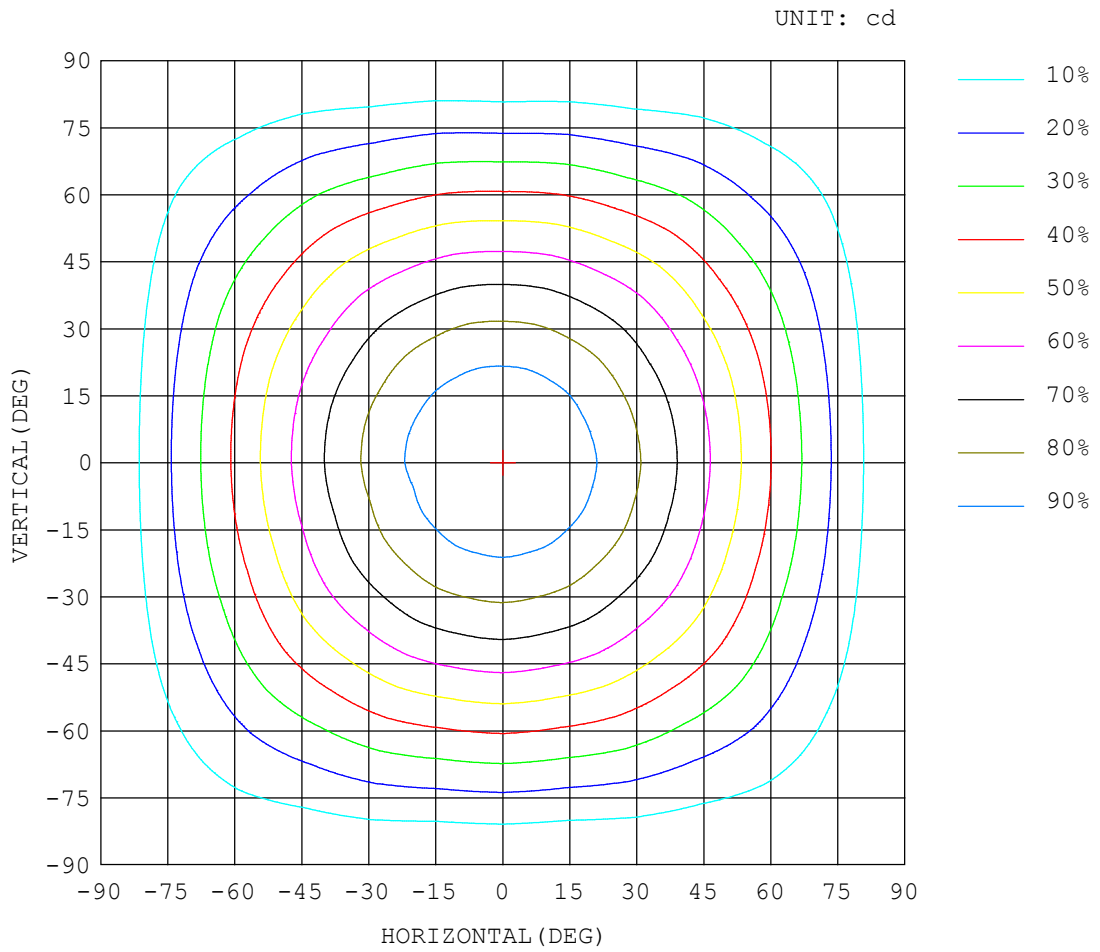
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.545 m
Remarks: ERL100 PT60 CW 120D 48W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000015

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT60 CW 120D 48W 24V DC IP44	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



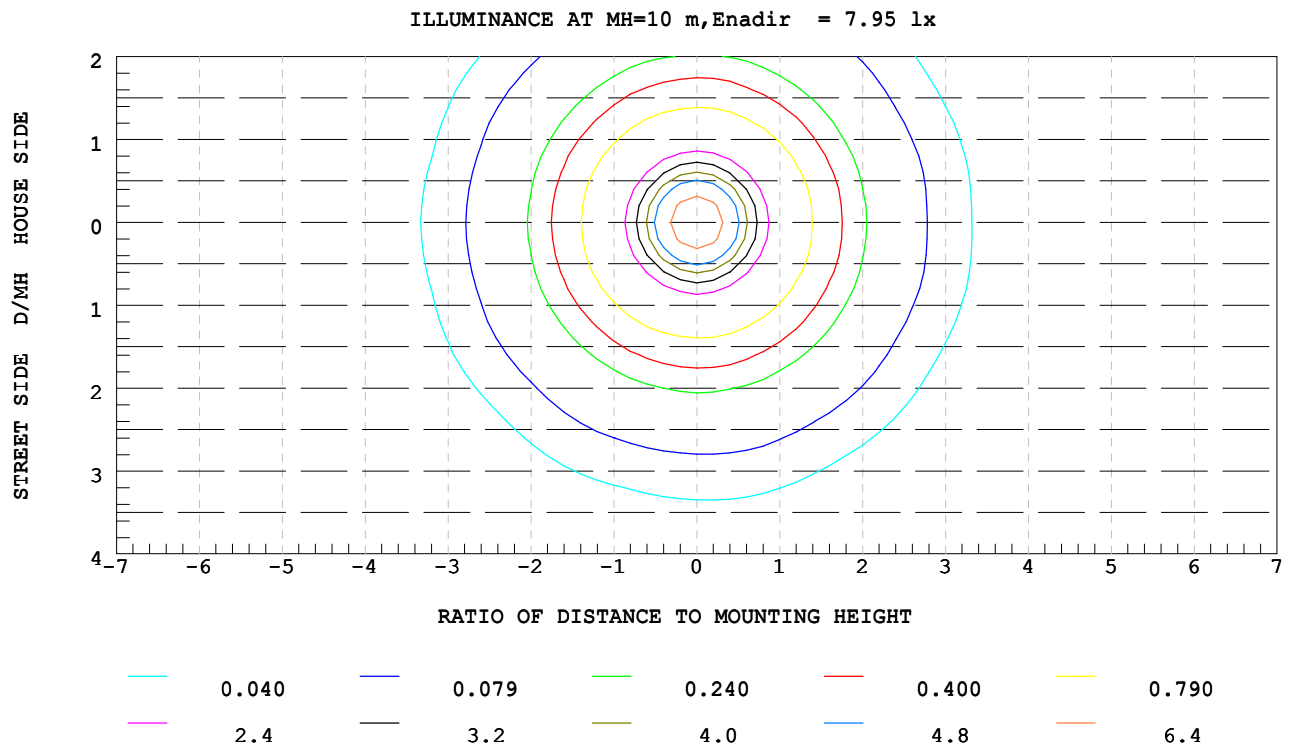
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-06-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 9.545 m
Remarks: ERL100 PT60 CW 120D 48W 24V DC IP44

ISOLUX DIAGRAM

Report number: 2016000015

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT60 CW 120D 48W 24V DC IP44	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



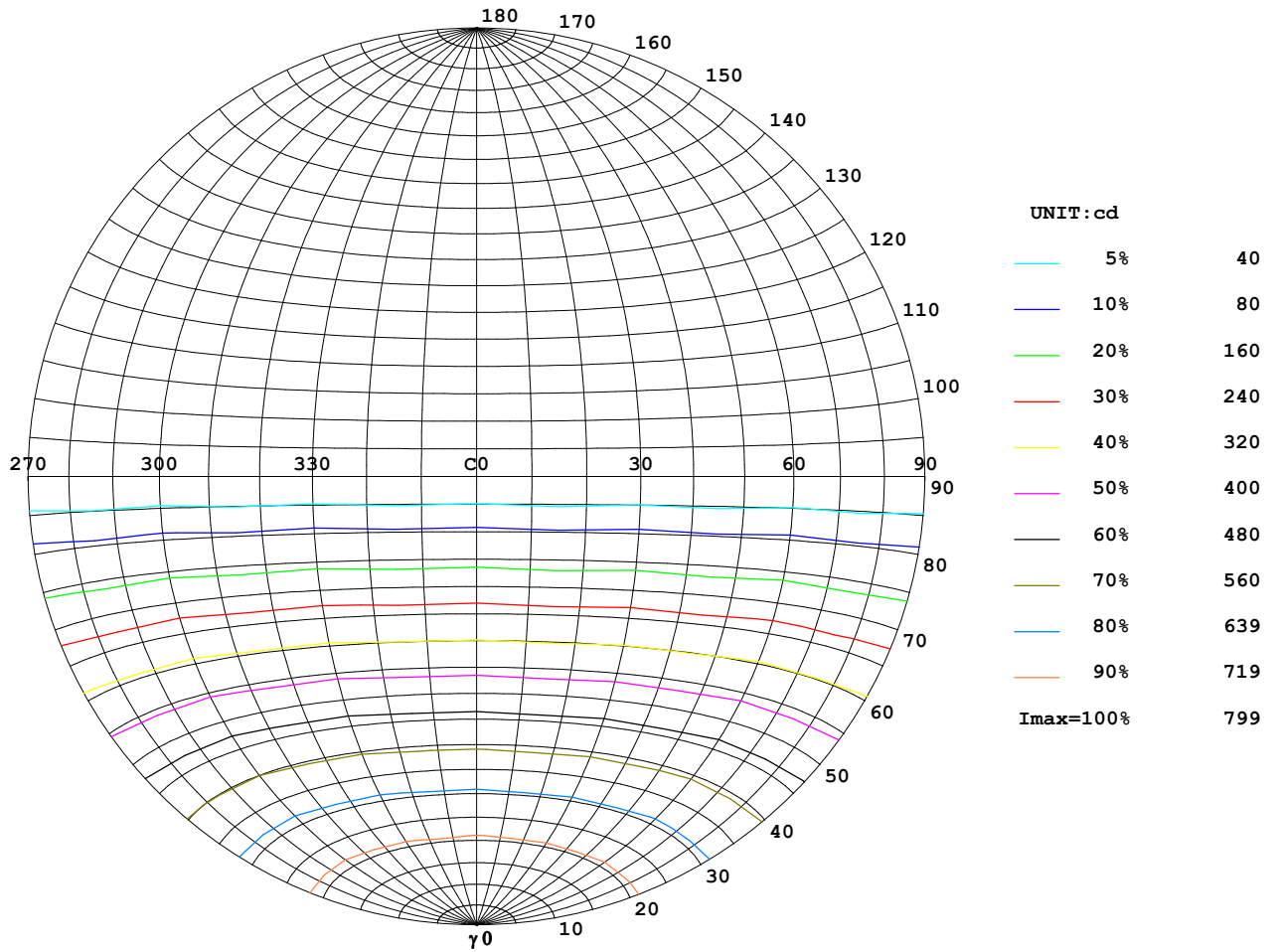
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-06-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 9.545 m
Remarks: ERL100 PT60 CW 120D 48W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000015

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT60 CW 120D 48W 24V DC IP44	TYPE: LED LINE ERL	WEIGHT:
SPECIFICATION: LED LINE ERL	DIMENSION: 1020x100x58	SERIAL No.:



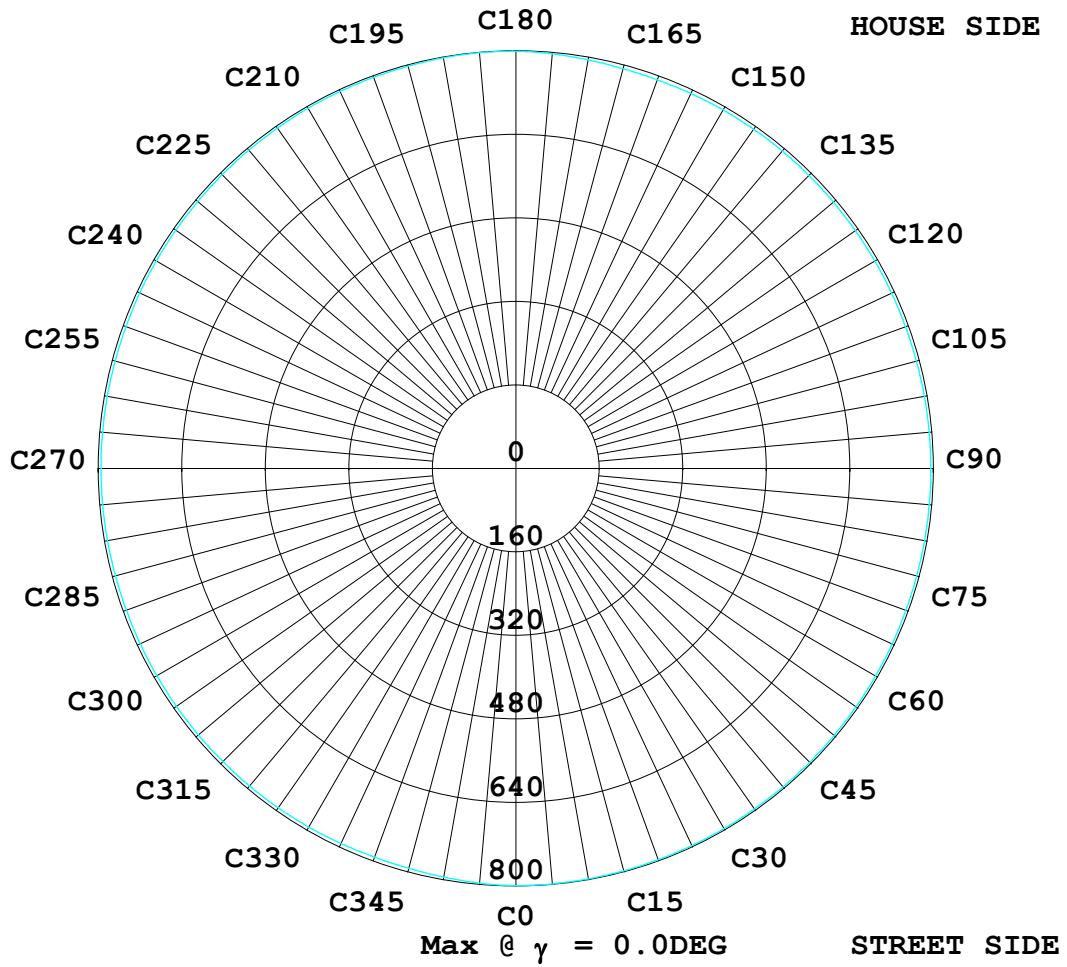
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-06-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 9.545 m
Remarks: ERL100 PT60 CW 120D 48W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000015

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: ERL100 PT60 CW 120D 48W 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: 02-06-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.545 m
 Remarks: ERL100 PT60 CW 120D 48W 24V DC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000015

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: ERL100 PT60 CW 120D 48W 24V DC IP44				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		799	798	797	796	796	795	795	794	794	794	794	793	799	798	797
5.0		794	792	792	791	791	790	790	790	790	789	789	789	796	794	793
10.0		780	778	778	776	777	776	777	776	777	776	776	775	783	782	780
15.0		757	755	755	754	755	754	756	755	756	755	755	753	761	761	759
20.0		727	724	725	724	726	725	727	726	728	726	726	724	732	733	731
25.0		690	687	689	687	690	690	692	691	693	690	691	688	697	697	695
30.0		648	645	646	645	649	648	651	649	652	649	650	647	655	656	654
35.0		600	598	600	599	602	602	605	603	606	603	604	601	609	611	608
40.0		550	546	549	548	552	551	556	553	556	553	554	551	559	561	558
45.0		496	492	495	494	499	497	502	499	503	499	501	497	505	508	505
50.0		439	436	439	437	442	441	446	443	447	443	446	442	449	452	449
55.0		381	377	381	378	384	382	388	384	389	385	389	384	391	394	390
60.0		321	316	321	318	324	321	328	324	329	325	329	324	331	334	330
65.0		262	258	263	260	262	263	266	266	268	267	268	267	272	273	272
70.0		202	197	202	198	204	200	207	203	210	205	211	205	210	215	209
75.0		143	137	142	138	144	139	146	142	149	145	151	146	150	155	149
80.0		87.7	83.1	87.2	83.2	87.9	84.1	89.4	86.5	92.6	89.6	95.1	91.1	94.4	98.0	93.0
85.0		40.3	36.3	40.0	36.4	40.6	37.3	42.0	39.2	44.5	41.8	46.5	43.0	45.6	48.2	44.1
90.0		6.28	4.46	6.01	4.09	5.64	3.64	5.28	3.82	6.37	5.28	7.83	6.28	8.19	8.74	6.37

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 PT60 CW 120D 48W 24V DC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000015

MANUFACTURER: FIBERLI				Address:PSL ELEKTRONIK ANTALYA			
NAME: ERL100 PT60 CW 120D 48W 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		796	796	795	795	794	794	794	794	793
5.0		793	792	791	791	791	790	790	789	788
10.0		780	779	779	778	778	777	777	775	775
15.0		760	759	759	758	758	756	756	753	754
20.0		732	730	731	729	730	727	727	724	724
25.0		697	695	697	695	695	692	691	688	688
30.0		657	655	657	654	654	651	650	646	646
35.0		611	609	611	608	609	604	604	599	600
40.0		561	559	561	558	559	554	554	549	549
45.0		509	506	508	505	506	501	501	495	497
50.0		453	449	452	448	450	444	445	439	440
55.0		394	391	394	389	391	385	386	380	382
60.0		335	330	334	328	331	324	327	320	323
65.0		273	271	271	268	269	265	265	262	262
70.0		214	208	212	205	209	202	206	199	203
75.0		153	147	151	144	148	141	146	139	144
80.0		96.4	90.6	93.6	87.7	91.2	86.0	89.9	84.9	89.0
85.0		47.1	42.4	45.0	40.4	43.0	38.8	41.7	37.8	40.9
90.0		7.65	4.82	5.92	3.64	5.46	3.82	5.92	4.28	6.28