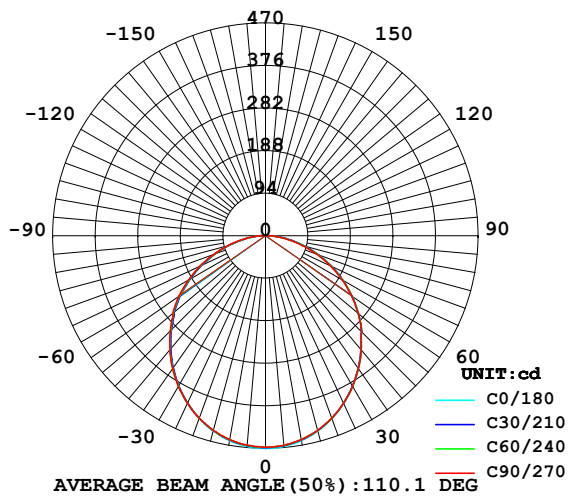
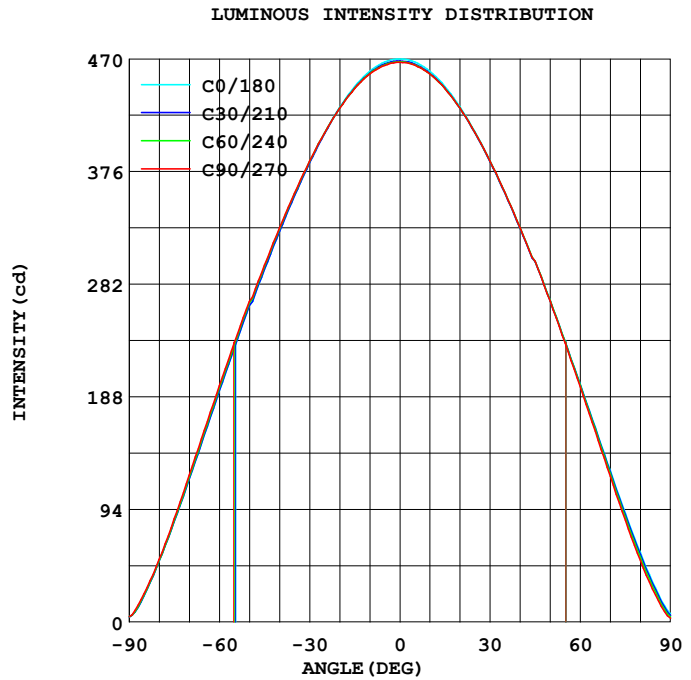


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000044

MANUFACTURER: FIBERLI	Address: PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:

TEST DATA:					
MODEL:	LLA	Imax (cd) :	469.5	η street_up (%) :	0.0
NOMINAL POWER (W) :	36	MAXIMUM (C, γ :	0,0.0	η street_down (%) :	53.8
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	1530	η house_up (%) :	0.0
NOMINAL FLUX (lm) :	1530.3	EFFICIENCY (%) :	100.0	η house_down (%) :	46.2
TEST FLUX (lm) :	1530	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:0.277A P:35.73W PF:0.582

Test System: LSG-1600
 Temperature: 25.3 DEG
 Operators: REGAIP DASTAN
 Test Date: 02-18-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 58.0%
 Test Distance: 9.545 m
 Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

ZONAL FLUX DIAGRAM

Report number: 2016000044

MANUFACTURER: FIBERLI	Address: PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	467.0	464.5	464.1	462.9	466.9	464.9	464.2	463.7	0- 5	11.12	11.12
10.0	459.1	456.6	456.9	455.0	459.2	457.6	456.9	456.6	5- 10	32.90	44.03
15.0	446.5	444.3	444.7	442.5	446.6	445.6	444.7	444.8	10- 15	53.32	97.36
20.0	429.2	427.1	428.3	425.6	429.6	429.2	428.4	428.3	15- 20	71.62	168.9
25.0	407.7	405.8	407.8	404.7	408.7	409.0	408.1	407.9	20- 25	87.15	256.1
30.0	383.1	381.3	384.2	380.9	384.5	385.4	384.3	384.1	25- 30	99.42	355.5
35.0	355.6	354.1	357.6	354.0	357.8	359.0	357.8	357.3	30- 35	108.1	463.6
40.0	325.5	324.2	328.4	324.9	328.5	330.2	328.6	327.8	35- 40	113.0	576.7
45.0	294.0	295.6	297.4	297.6	300.3	299.9	300.6	296.8	40- 45	114.3	691.0
50.0	263.8	262.0	267.3	264.5	268.2	267.4	267.4	267.1	45- 50	112.3	803.4
55.0	228.5	226.5	232.8	229.8	233.7	236.4	232.4	232.1	50- 55	106.6	910.0
60.0	192.6	190.1	196.9	194.6	198.3	201.1	196.0	196.2	55- 60	97.03	1007
65.0	155.8	153.3	159.8	158.0	162.4	164.7	159.0	159.2	60- 65	84.33	1091
70.0	119.1	116.1	122.4	121.4	126.0	127.8	121.4	121.9	65- 70	69.17	1161
75.0	83.90	80.72	86.00	86.09	90.56	91.92	84.63	86.00	70- 75	52.39	1213
80.0	50.83	48.10	52.20	53.11	57.67	58.12	51.11	52.38	75- 80	35.19	1248
85.0	21.86	19.95	23.68	24.69	28.42	28.33	22.50	23.23	80- 85	19.09	1267
90.0	4.099	3.006	4.282	4.373	6.833	6.104	3.006	4.282	85- 90	5.975	1530
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	

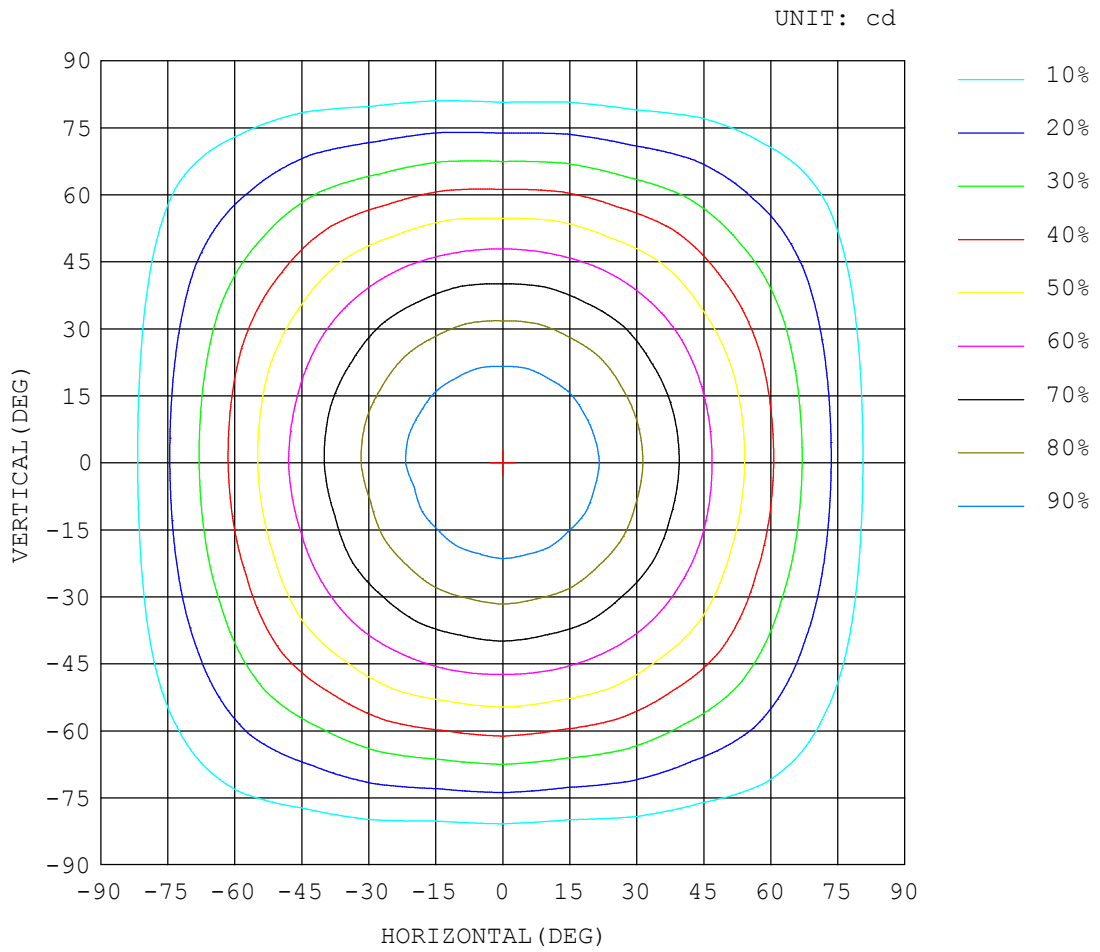
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-18-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 58.0%
Test Distance: 9.545 m
Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

ISOCANDELA DIAGRAM

Report number: 2016000044

MANUFACTURER: FIBERLI	Address: PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



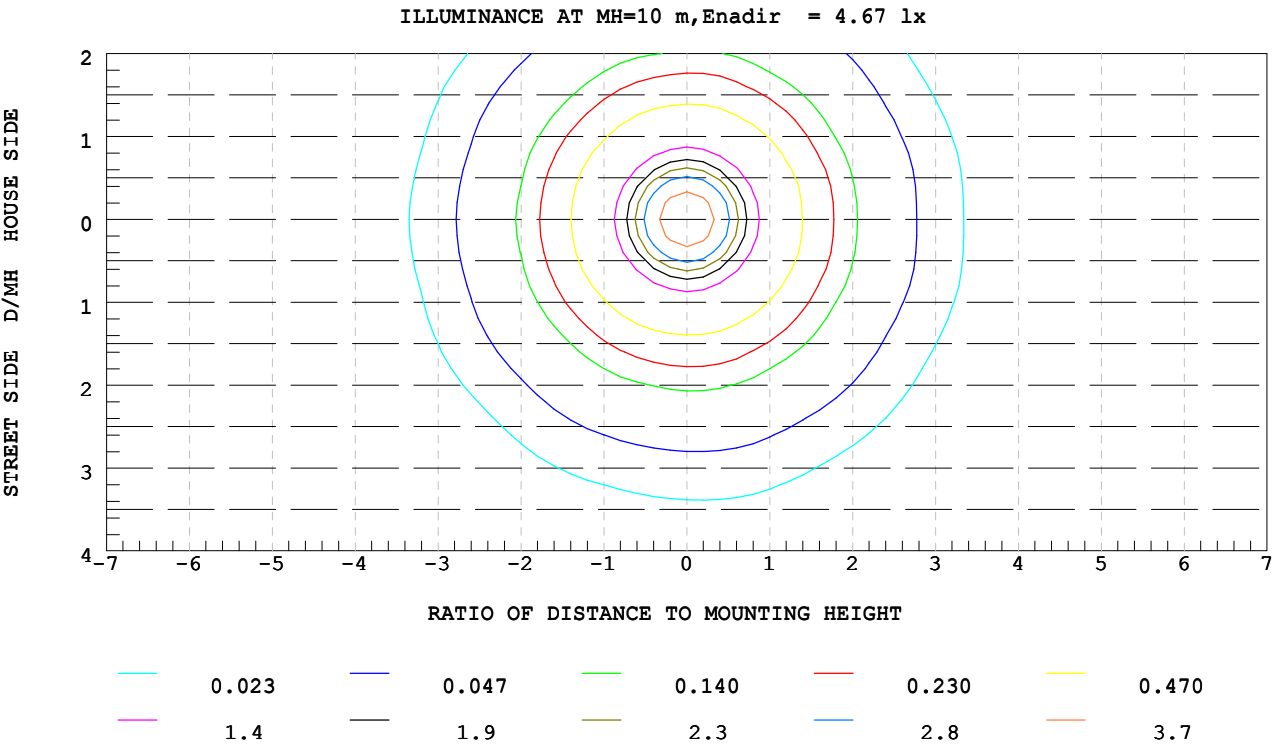
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-18-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 58.0%
Test Distance: 9.545 m
Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

ISOLUX DIAGRAM

Report number: 2016000044

MANUFACTURER: FIBERLI	Address:PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



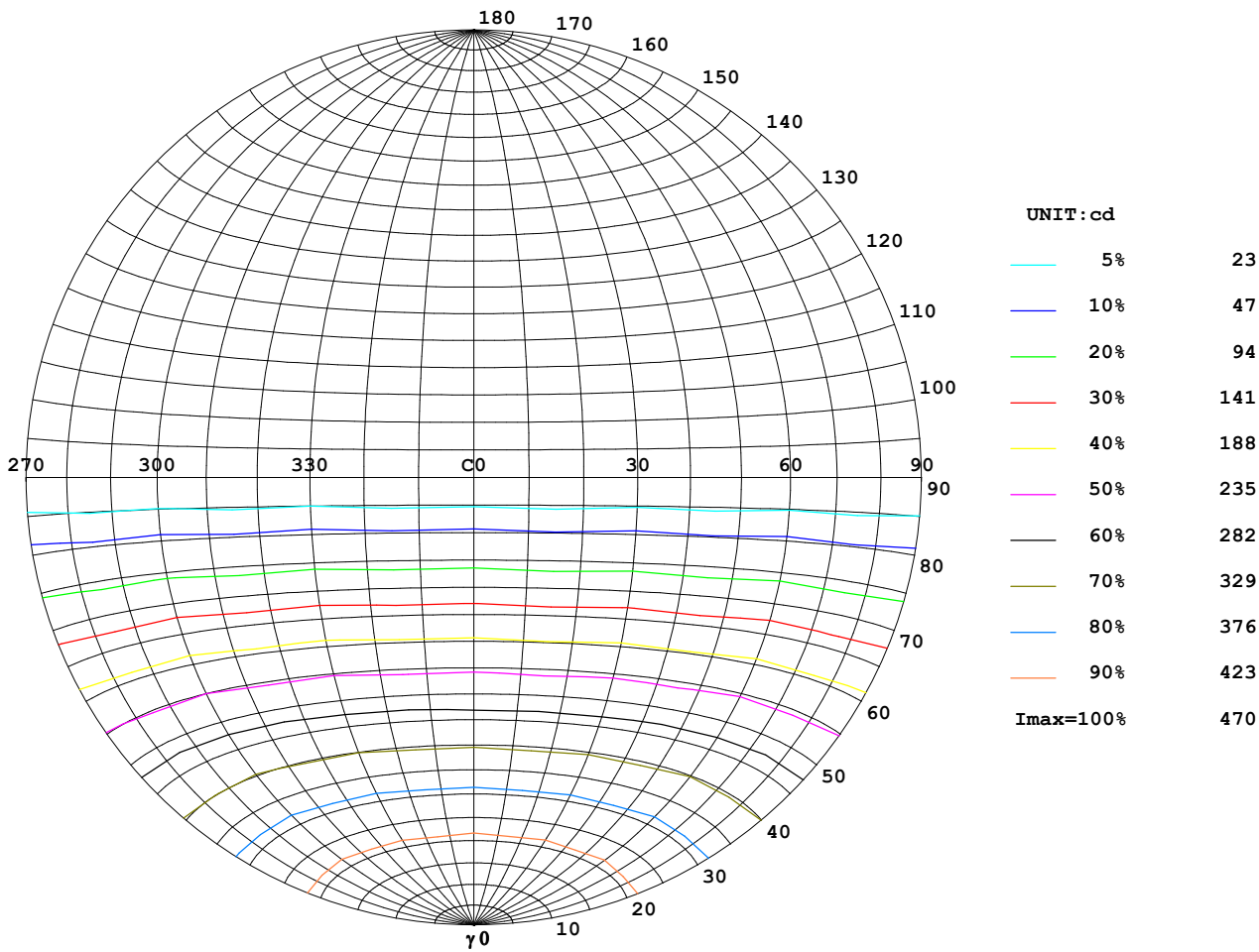
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

ISOCANDELA DIAGRAM

Report number: 2016000044

MANUFACTURER: FIBERLI	Address:PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



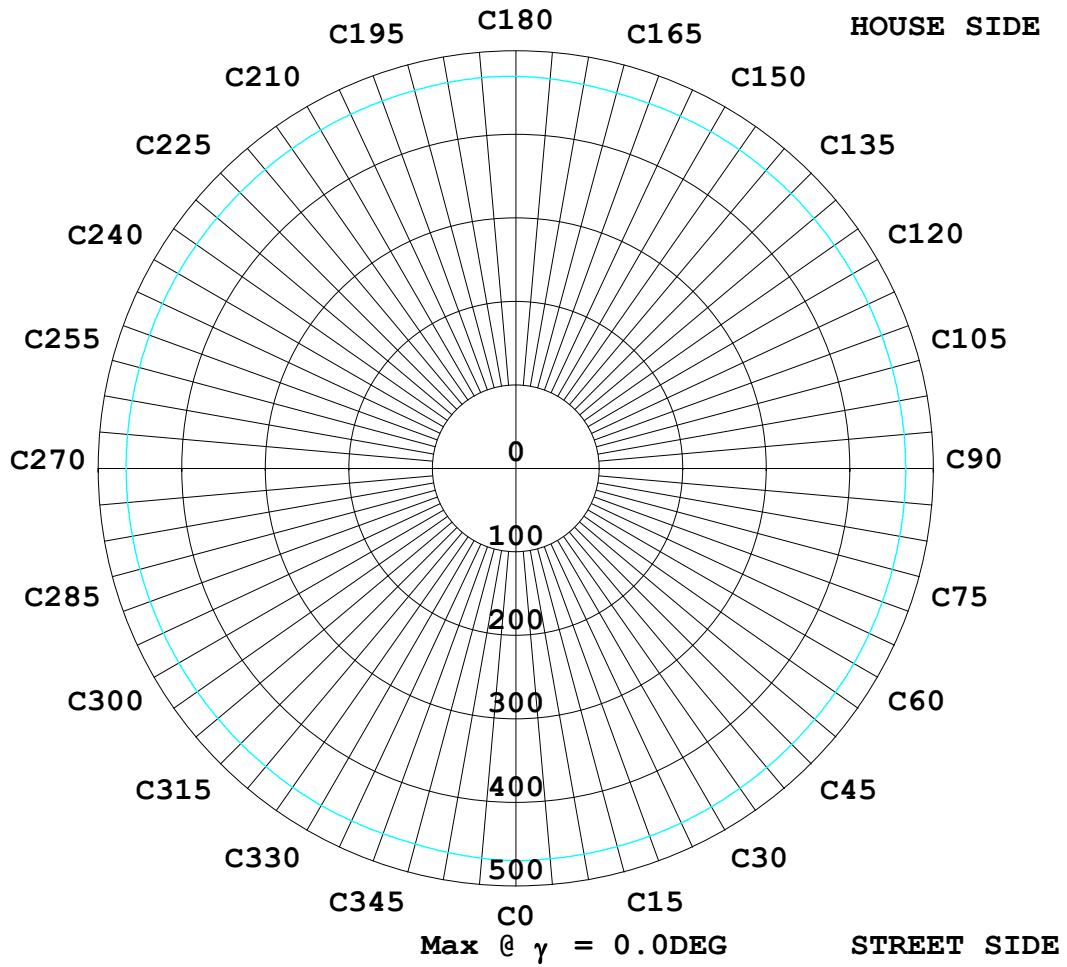
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

ISOCANDELA DIAGRAM

Report number: 2016000044

MANUFACTURER: FIBERLI	Address: PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



Test System: LSG-1600
 Temperature: 25.3DEG
 Operators: REGAIP DASTAN
 Test Date: 02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 58.0%
 Test Distance: 9.545 m
 Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000044

MANUFACTURER: FIBERLI	Address:PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	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	470	469	468	467	467	467	467	466	466	466	466	466	470	469	468
5.0	467	466	465	465	465	464	464	463	463	463	463	463	467	466	465
10.0	459	458	458	457	457	456	457	456	456	455	456	455	459	459	458
15.0	447	445	445	444	445	444	445	443	444	443	443	442	447	447	445
20.0	429	428	429	427	429	427	428	427	427	426	426	425	430	430	428
25.0	408	406	407	406	408	407	408	406	407	405	406	404	409	409	408
30.0	383	381	383	381	384	382	384	382	383	381	382	379	385	386	384
35.0	356	354	355	354	357	356	358	355	357	354	355	353	358	359	357
40.0	326	323	326	324	328	326	328	326	328	325	327	324	329	330	328
45.0	294	295	294	296	296	298	297	298	297	298	296	296	300	300	300
50.0	264	261	264	262	266	264	267	265	268	265	267	263	268	267	268
55.0	229	225	229	227	231	229	233	230	233	230	233	229	234	236	233
60.0	193	189	193	190	195	193	197	194	198	195	198	194	198	201	198
65.0	156	152	156	153	158	156	160	157	161	158	162	158	162	165	162
70.0	119	116	119	116	121	118	122	120	124	121	126	122	126	129	125
75.0	83.9	80.4	83.7	80.7	84.4	81.4	86.0	83.4	88.1	86.0	90.3	87.2	90.5	93.4	89.3
80.0	50.8	47.9	50.7	48.1	51.1	48.5	52.2	50.3	54.6	53.1	57.2	55.0	57.6	59.9	56.3
85.0	21.8	19.6	21.9	19.9	22.5	20.7	23.6	22.4	25.7	24.6	27.9	26.3	28.4	29.9	26.9
90.0	4.09	2.91	4.19	3.00	4.28	3.00	4.28	3.18	5.01	4.37	6.28	5.28	6.83	7.19	5.46

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT90 CW 120D 36W 24V DC IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000044

MANUFACTURER: FIBERLI	Address:PSL ELEKTRNIK ANTALYA	
NAME: LLA PT90 CW 120D 36W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:

UNIT: cd

C (DEG)	225	240	255	270	285	300	315	330	345
γ (DEG)									
0.0	467	467	467	467	466	466	466	466	466
5.0	465	465	465	464	464	464	464	464	463
10.0	458	457	457	457	457	456	457	456	456
15.0	446	445	446	445	445	444	445	444	444
20.0	429	428	429	428	429	428	428	427	428
25.0	409	408	409	408	409	407	408	406	407
30.0	385	384	386	384	386	383	384	382	383
35.0	359	358	360	358	359	356	357	355	355
40.0	330	329	331	329	330	327	328	325	326
45.0	300	301	300	301	299	299	297	296	295
50.0	267	268	268	267	268	265	267	263	265
55.0	236	233	236	232	235	230	232	228	230
60.0	201	197	201	196	199	194	196	191	194
65.0	165	161	164	159	162	157	159	155	157
70.0	128	124	126	121	124	119	122	118	121
75.0	91.9	87.1	89.4	84.6	87.2	82.9	86.0	81.9	85.1
80.0	58.1	53.7	55.3	51.1	53.1	49.6	52.3	49.2	52.0
85.0	28.3	24.8	25.9	22.5	24.0	21.2	23.2	20.7	22.8
90.0	6.10	4.09	4.73	3.00	4.19	3.09	4.28	3.09	4.28