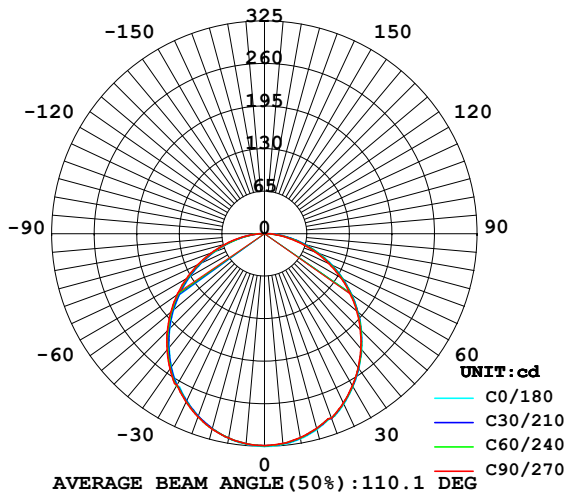
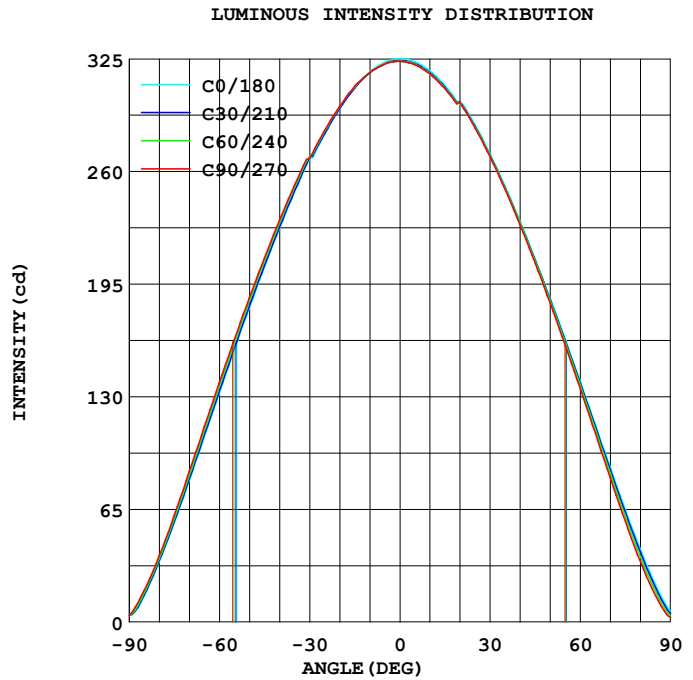


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000043

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE	DIMENSION: 1010x76x50mm	SERIAL No.:

TEST DATA:					
MODEL:	LLA	Imax (cd) :	325.2	η street_up (%) :	0.0
NOMINAL POWER (W) :	24	MAXIMUM (C, γ :	0,0.0	η street_down (%) :	53.5
RATED VOLTAGE (V) :	24	TOTAL FLUX (lm) :	1075	η house_up (%) :	0.0
NOMINAL FLUX (lm) :	1075.0	EFFICIENCY (%) :	100.0	η house_down (%) :	46.5
TEST FLUX (lm) :	1075	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: 02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 58.0%
Test Distance: 9.545 m
Remarks: LLA PT60 CW 120D 24W 24V DC IP44D

ZONAL FLUX DIAGRAM

Report number: 2016000043

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1010x76x50mm	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	323.2	321.9	322.2	321.5	323.5	322.3	321.8	321.6	0- 5	7.716	7.716
10.0	317.6	316.5	317.2	316.3	318.3	317.4	316.5	316.5	5- 10	22.81	30.53
15.0	308.6	307.5	309.3	307.7	309.9	309.1	308.1	308.0	10- 15	36.98	67.52
20.0	296.6	300.1	297.9	299.7	298.9	297.9	300.0	296.4	15- 20	49.74	117.2
25.0	281.7	284.5	283.9	285.3	287.2	284.0	285.4	282.0	20- 25	60.80	178.0
30.0	267.5	267.2	267.5	268.5	270.4	267.7	268.8	268.5	25- 30	69.40	247.4
35.0	248.3	247.9	252.3	249.9	251.7	252.6	249.9	249.6	30- 35	75.87	323.3
40.0	227.3	227.0	231.9	229.6	231.3	232.5	229.2	229.0	35- 40	79.33	402.6
45.0	204.8	204.6	210.0	207.9	209.8	211.0	207.4	206.9	40- 45	80.14	482.8
50.0	181.5	181.2	187.3	185.0	187.0	188.4	184.2	183.6	45- 50	78.34	561.1
55.0	157.2	156.8	163.1	161.4	163.3	164.8	159.8	159.5	50- 55	74.03	635.2
60.0	132.1	131.7	138.2	136.8	139.1	140.3	134.9	134.4	55- 60	67.38	702.5
65.0	107.0	106.0	112.8	111.6	114.1	115.0	109.1	108.7	60- 65	58.64	761.2
70.0	81.63	80.81	86.91	86.64	89.19	89.83	83.08	83.27	65- 70	48.19	809.4
75.0	57.12	56.12	61.49	61.86	64.86	64.77	58.12	58.21	70- 75	36.61	846.0
80.0	34.71	33.52	38.17	38.99	41.90	41.36	34.80	35.25	75- 80	24.75	870.7
85.0	14.85	14.39	18.22	19.31	21.59	20.86	15.30	15.48	80- 85	13.62	884.4
90.0	3.553	2.733	3.826	4.282	6.286	5.193	2.733	3.644	85- 90	4.584	1075.0
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	

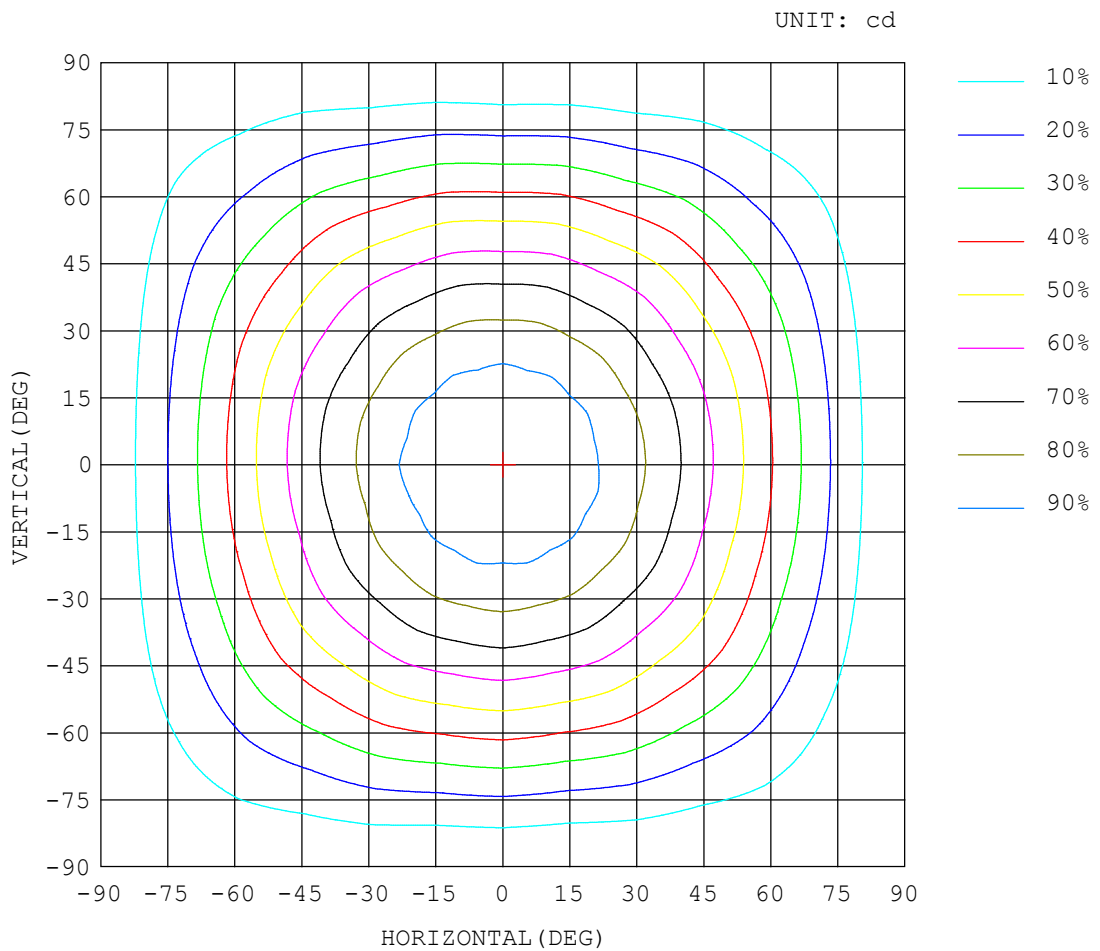
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT60 CW 120D 24W 24V DC IP44D

ISOCANDELA DIAGRAM

Report number: 2016000043

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE	DIMENSION: 1010x76x50mm	SERIAL No.:



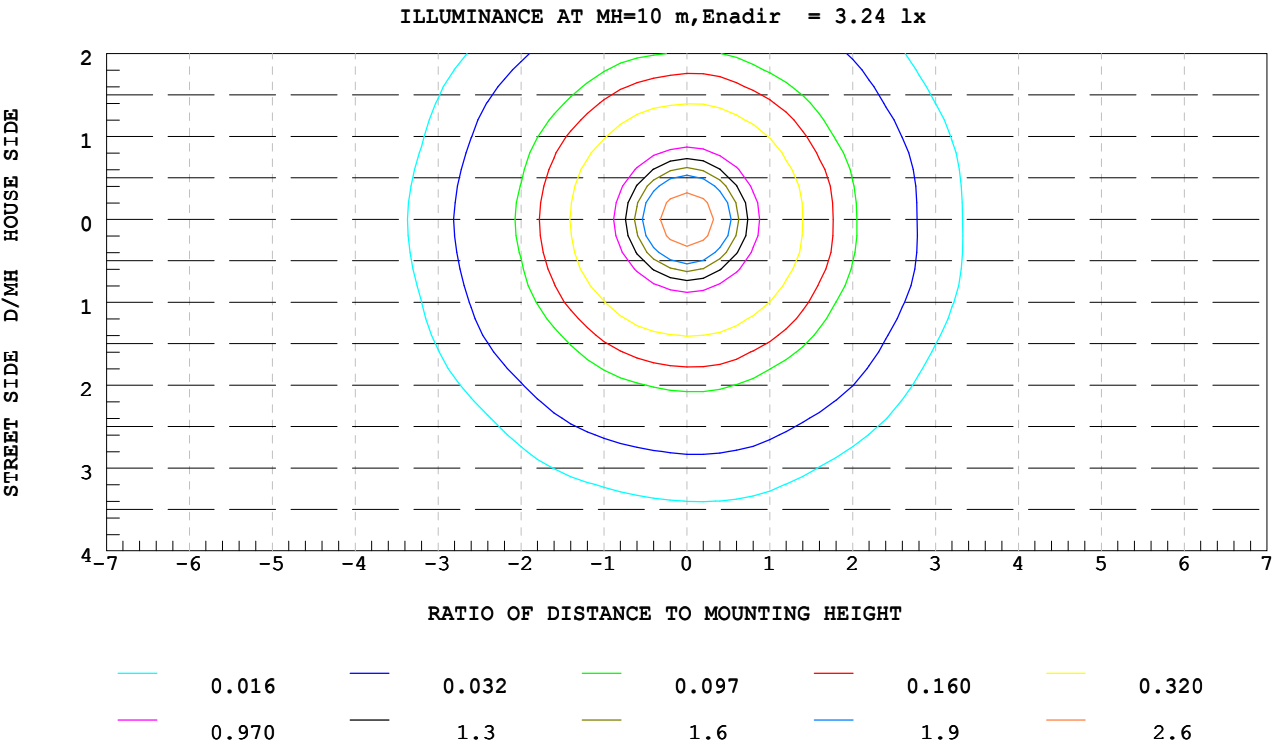
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-18-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 58.0%
Test Distance: 9.545 m
Remarks: LLA PT60 CW 120D 24W 24V DC IP44D

ISOLUX DIAGRAM

Report number: 2016000043

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1010x76x50mm	SERIAL No.:



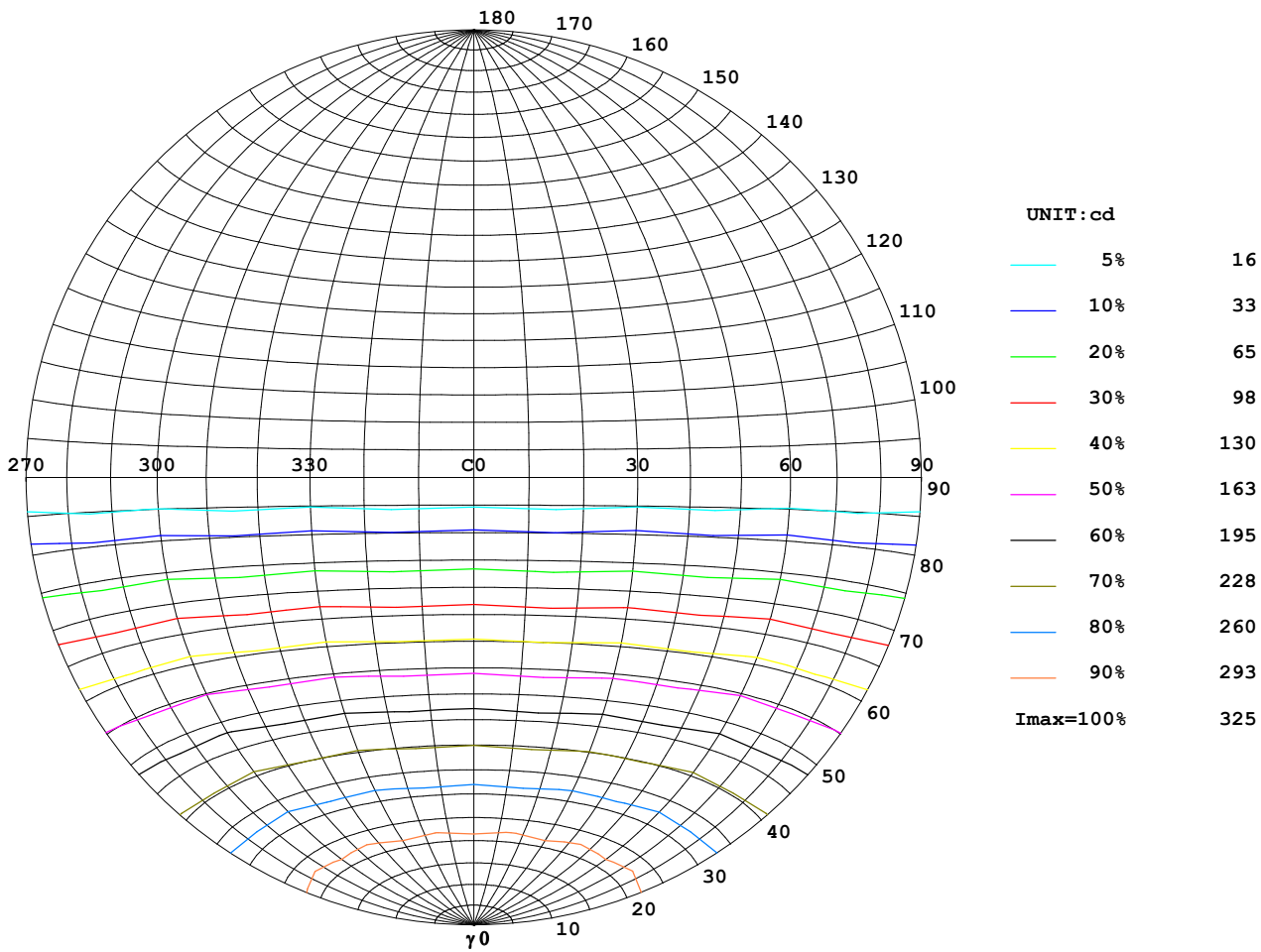
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT60 CW 120D 24W 24V DC IP44D

ISOCANDELA DIAGRAM

Report number: 2016000043

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1010x76x50mm	SERIAL No.:



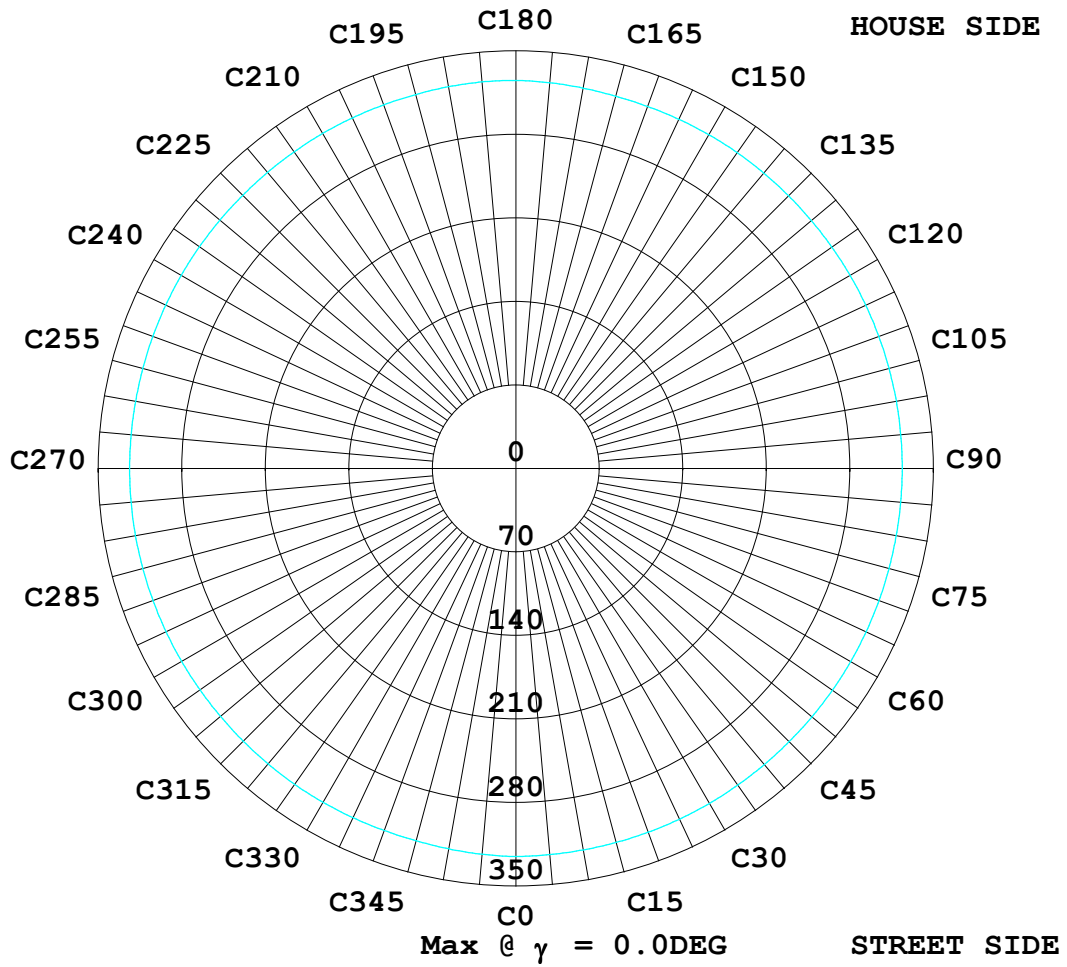
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT60 CW 120D 24W 24V DC IP44D

ISOCANDELA DIAGRAM

Report number: 2016000043

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE	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 PT60 CW 120D 24W 24V DC IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000043

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	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	325	325	324	324	324	324	324	324	324	323	323	323	325	325	324
5.0	323	322	322	322	322	322	322	322	322	322	322	321	324	323	323
10.0	318	317	317	317	317	317	317	317	317	316	317	316	318	318	317
15.0	309	308	308	308	309	308	309	309	309	308	308	307	310	310	309
20.0	297	299	297	300	298	300	298	300	298	300	297	299	299	298	301
25.0	282	284	282	285	283	286	284	286	284	285	283	284	287	285	286
30.0	268	266	268	267	269	269	268	269	267	269	269	267	270	268	270
35.0	248	246	249	248	251	250	252	251	252	250	251	249	252	253	251
40.0	227	225	228	227	230	229	232	230	232	230	231	228	231	233	230
45.0	205	203	206	205	208	207	210	208	211	208	210	207	210	211	209
50.0	182	179	183	181	185	184	187	185	188	185	187	184	187	189	186
55.0	157	155	158	157	161	160	163	161	164	161	164	161	163	165	162
60.0	132	130	133	132	136	134	138	136	139	137	139	136	139	141	138
65.0	107	104	108	106	110	109	113	111	114	112	115	112	114	116	113
70.0	81.6	79.2	82.6	80.8	84.6	82.9	86.9	85.1	88.8	86.6	89.7	87.1	89.1	91.2	87.7
75.0	57.1	54.9	58.0	56.1	59.4	57.8	61.4	59.9	63.6	61.8	65.1	62.8	64.8	66.6	63.4
80.0	34.7	32.6	35.4	33.5	36.5	34.8	38.1	36.7	40.4	38.9	42.1	40.1	41.9	43.3	40.2
85.0	14.8	13.3	15.5	14.3	16.7	15.5	18.2	17.2	20.1	19.3	21.7	20.3	21.5	22.6	19.9
90.0	3.55	2.64	3.64	2.73	3.73	2.73	3.82	3.18	4.82	4.28	5.92	5.01	6.28	6.37	4.82

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 PT60 CW 120D 24W 24V DC IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000043

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT60 CW 120D 24W 24V DC IP44D	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE	DIMENSION: 1010x76x50mm	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	324	324	324	324	324	324	323	323	323
5.0	322	322	322	322	322	322	322	321	321
10.0	317	317	317	317	317	316	317	316	316
15.0	309	308	309	308	309	308	308	307	308
20.0	298	300	298	300	297	299	296	298	296
25.0	284	286	284	285	283	285	282	284	281
30.0	268	269	267	269	269	268	269	266	267
35.0	253	251	252	250	251	249	250	247	248
40.0	233	230	232	229	231	228	229	226	228
45.0	211	209	211	207	209	206	207	204	206
50.0	188	186	188	184	186	182	184	180	182
55.0	165	161	164	160	162	158	160	156	158
60.0	140	137	139	135	137	133	134	131	133
65.0	115	111	113	109	111	107	109	105	108
70.0	89.8	85.7	87.4	83.0	85.0	80.9	83.2	79.7	82.5
75.0	64.7	60.8	62.0	58.1	59.5	56.2	58.2	55.3	57.8
80.0	41.3	37.7	38.4	34.8	36.1	33.2	35.2	32.8	35.0
85.0	20.8	17.6	18.4	15.3	16.4	13.9	15.4	13.3	15.3
90.0	5.19	3.46	4.00	2.73	3.64	2.64	3.64	2.73	3.64