

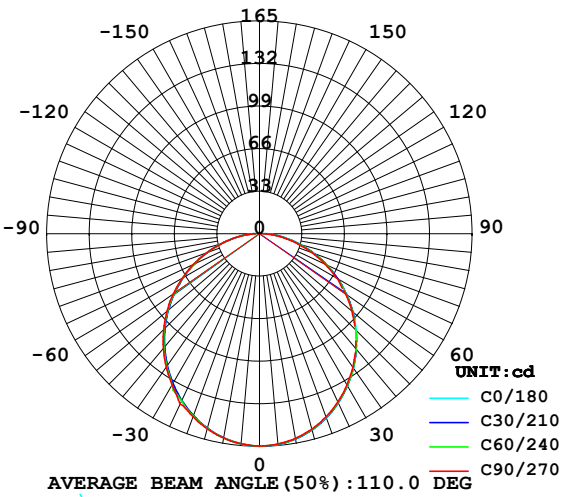
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000041

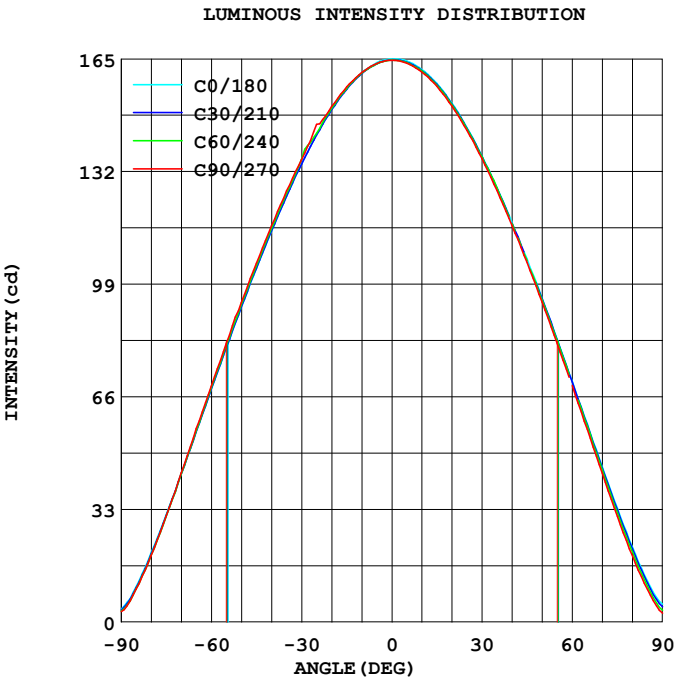
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:

TEST DATA:					
MODEL:	LLA	Imax(cd) :	164.6	η street_up(%) :	0.0
NOMINAL POWER(W) :	12	MAXIMUM(C, γ):	0,0.0	η street_down(%) :	53.5
RATED VOLTAGE (V) :	24	TOTAL FLUX(lm) :	565	η house_up(%)	0.0
NOMINAL FLUX(lm) :	565.4	EFFICIENCY(%) :	100.0	η house_down(%) :	46.5
TEST FLUX(lm:	565	η up(%) :	0.0		
LAMPS QUANTITY:	1	η down(%) :	100.0		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:24.00V I:0.138A P:12.00W PF:0.529

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 PT30 CW 120D 12W 24V DC IP44

ZONAL FLUX DIAGRAM

Report number: 2016000041

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	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	163.5	162.8	163.2	163.0	163.9	163.7	163.3	163.1	0- 5	3.912	3.912
10.0	160.5	159.8	160.6	160.4	161.5	161.6	160.7	160.6	5- 10	11.56	15.48
15.0	155.8	155.0	156.4	156.1	157.4	157.7	156.6	156.3	10- 15	18.75	34.23
20.0	149.8	148.9	150.6	150.2	151.6	152.2	150.7	150.5	15- 20	25.19	59.43
25.0	142.4	141.5	145.4	143.0	144.4	145.3	143.6	143.5	20- 25	30.68	90.12
30.0	133.9	132.9	135.2	134.7	136.2	137.2	135.4	135.2	25- 30	35.05	125.1
35.0	124.5	124.2	126.0	125.9	126.9	128.0	126.0	126.0	30- 35	38.13	163.3
40.0	114.2	113.1	115.7	115.1	116.7	118.1	115.7	115.8	35- 40	39.91	203.2
45.0	103.4	102.1	104.8	104.3	106.0	107.3	105.0	105.1	40- 45	40.60	243.8
50.0	92.10	90.65	93.47	92.92	94.47	96.20	93.47	93.74	45- 50	39.67	283.5
55.0	80.17	78.80	81.44	81.08	82.54	84.36	81.35	81.99	50- 55	37.60	321.1
60.0	68.05	66.50	68.96	68.60	70.33	71.88	69.15	69.69	55- 60	34.24	355.3
65.0	55.84	53.93	56.57	56.03	57.85	59.21	56.30	57.12	60- 65	29.99	385.3
70.0	43.45	41.54	43.54	43.45	45.28	46.46	43.36	44.55	65- 70	24.78	410.1
75.0	31.34	29.42	30.97	31.24	33.25	33.98	30.88	32.16	70- 75	19.10	429.2
80.0	20.22	18.22	19.40	19.86	21.86	22.32	19.31	20.68	75- 80	13.22	442.4
85.0	10.29	8.655	9.566	10.11	11.93	12.11	9.475	10.75	80- 85	7.701	450.1
90.0	3.826	2.733	3.006	3.735	5.193	4.646	2.550	3.644	85- 90	3.219	565.4
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	

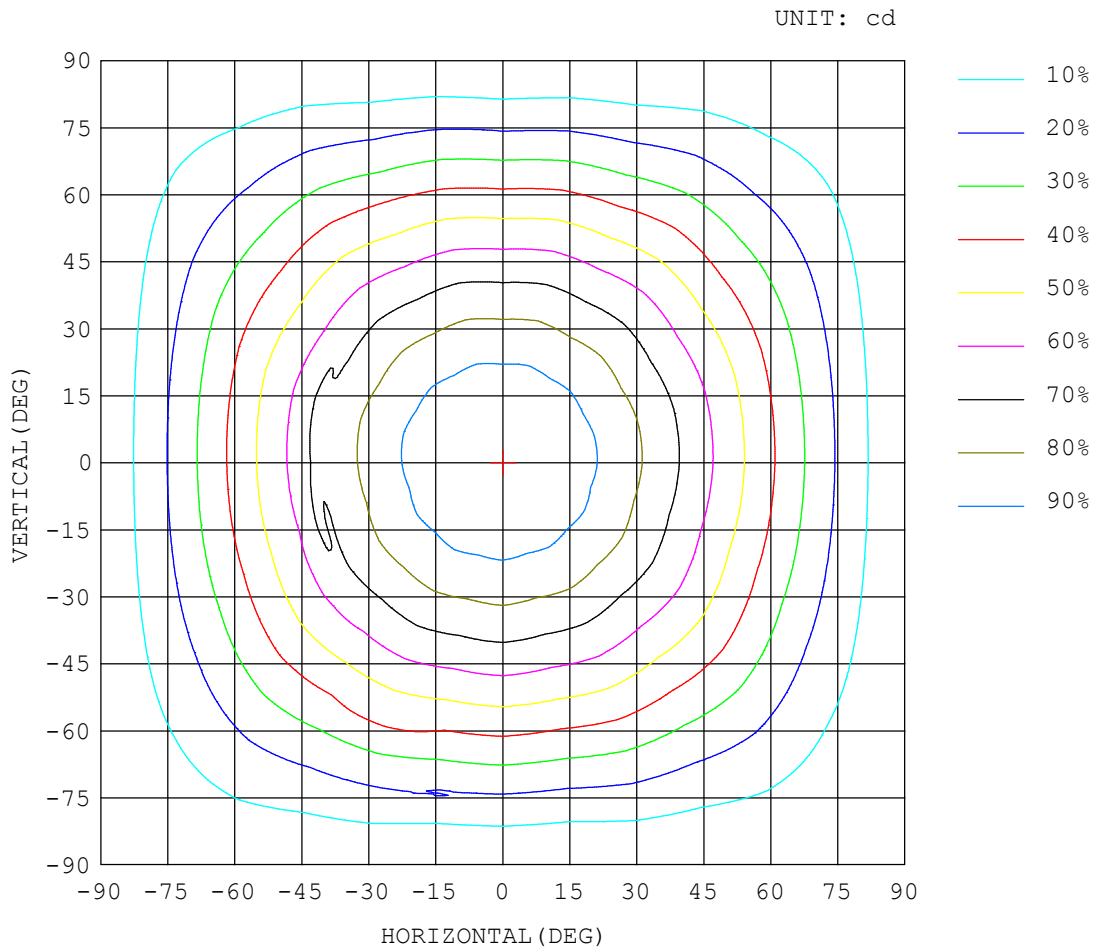
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT30 CW 120D 12W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000041

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



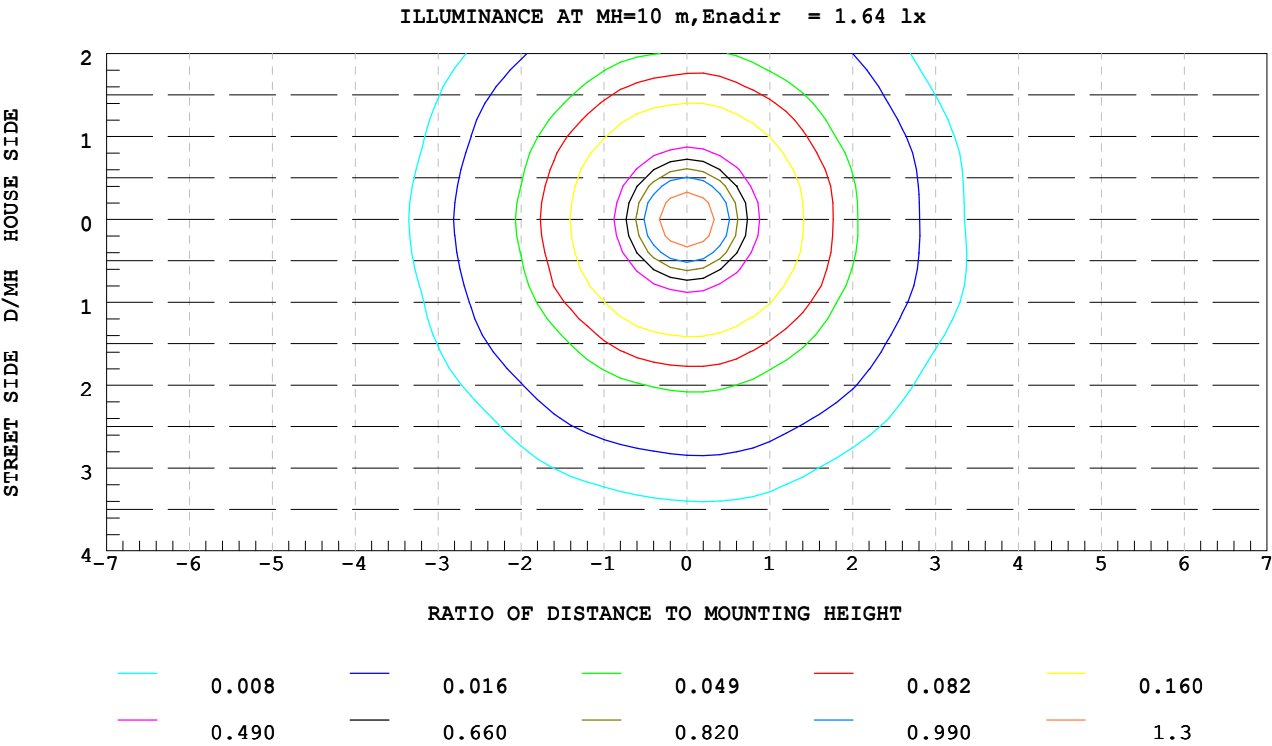
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-18-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 58.0%
Test Distance: 9.545 m
Remarks: LLA PT30 CW 120D 12W 24V DC IP44

ISOLUX DIAGRAM

Report number: 2016000041

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



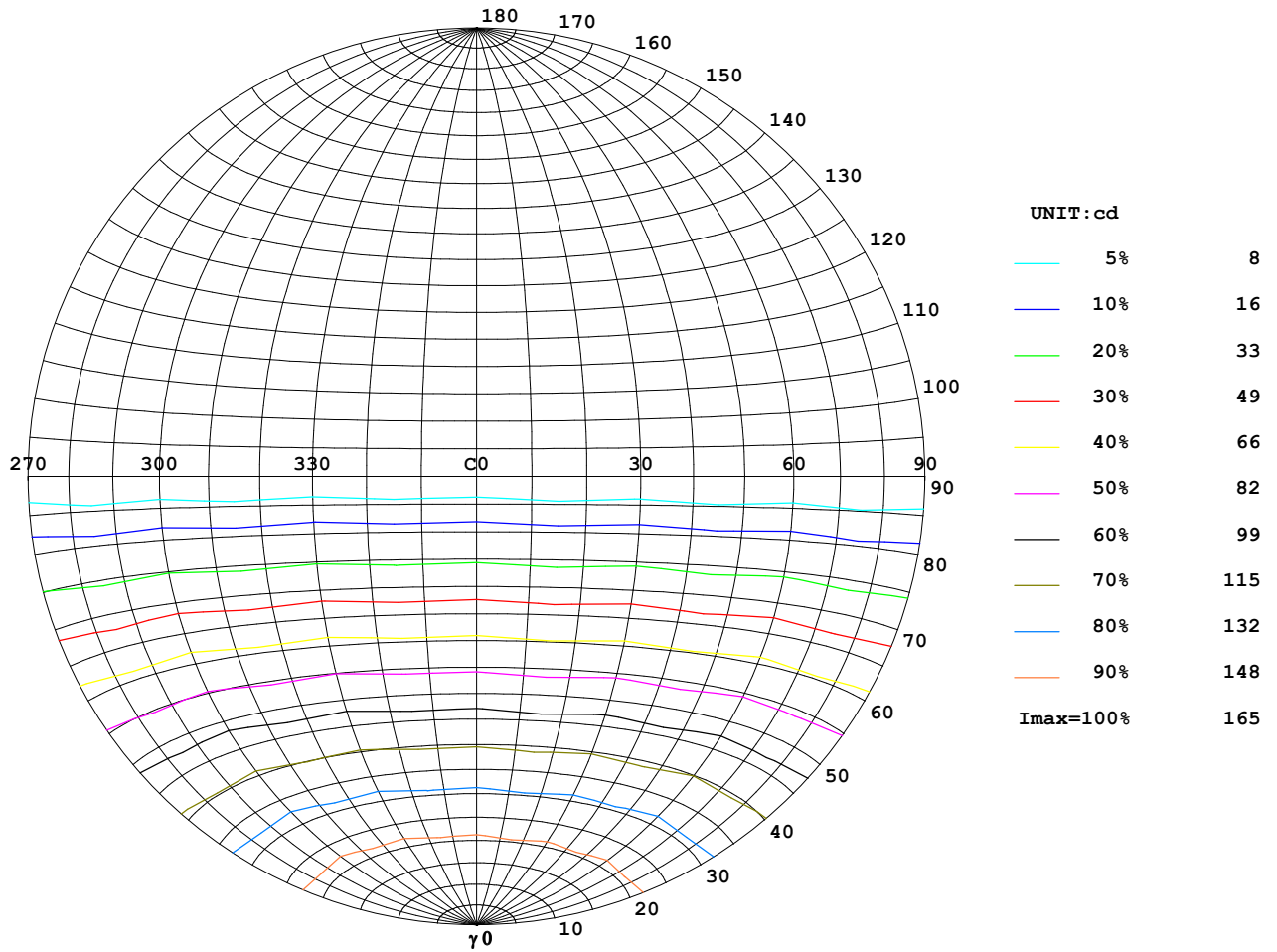
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-18-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:58.0%
Test Distance:9.545 m
Remarks: LLA PT30 CW 120D 12W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000041

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	TYPE: LED LINE	WEIGHT:
SPECIFICATION: LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:



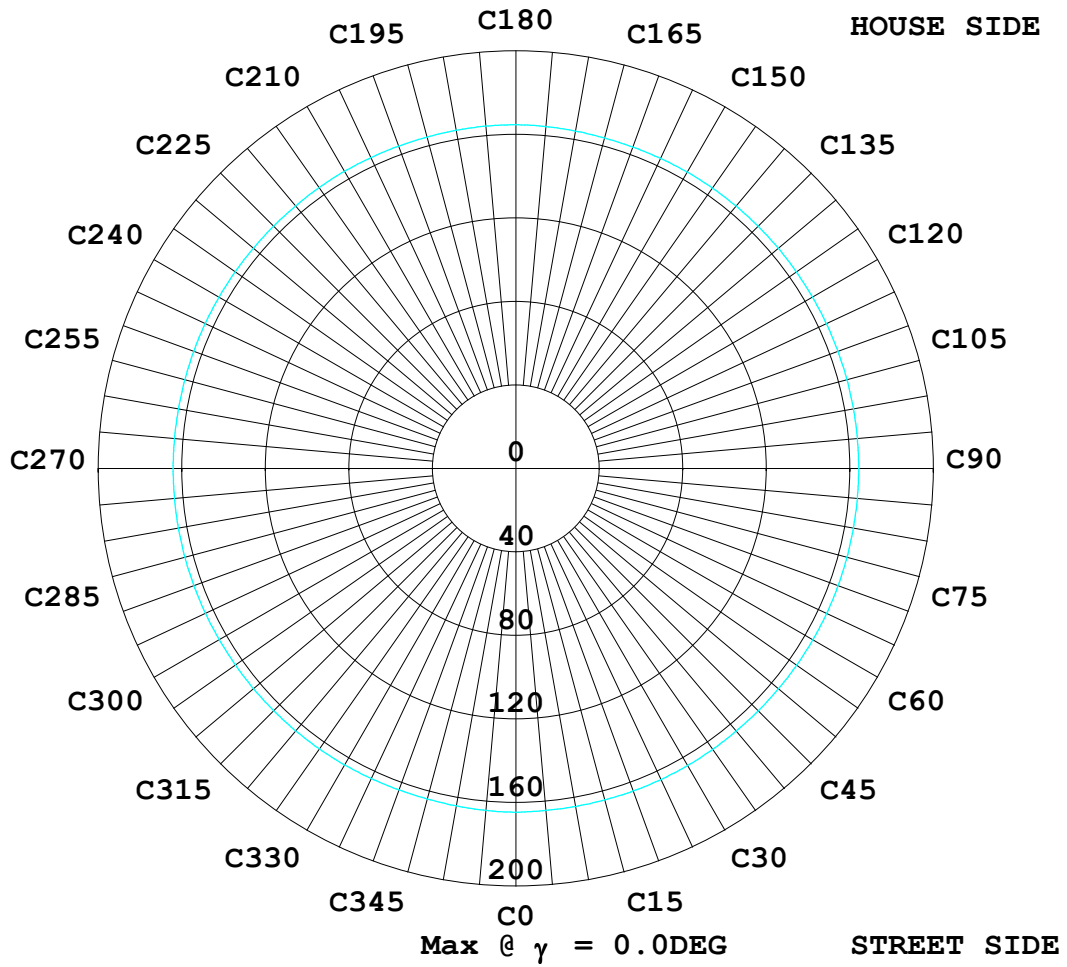
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-18-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 58.0%
Test Distance: 9.545 m
Remarks: LLA PT30 CW 120D 12W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000041

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	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 PT30 CW 120D 12W 24V DC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000041

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	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	165	164	164	164	164	164	164	164	164	164	164	164	165	164	164
5.0	164	163	163	163	163	163	163	163	163	163	163	163	164	164	164
10.0	161	160	160	160	160	160	161	160	161	160	161	160	162	162	161
15.0	156	155	156	155	156	155	156	156	157	156	157	156	157	158	157
20.0	150	149	150	149	150	149	151	150	151	150	151	150	152	152	151
25.0	142	141	142	142	143	143	145	144	144	143	144	143	144	145	144
30.0	134	133	134	133	135	134	135	134	136	135	136	135	136	137	136
35.0	125	123	124	124	125	124	126	125	127	126	127	125	127	128	127
40.0	114	113	114	113	115	114	116	115	116	115	117	115	117	118	117
45.0	103	102	103	102	104	103	105	104	106	104	109	104	106	108	110
50.0	92.1	90.2	92.1	90.6	92.8	91.3	93.4	92.1	94.2	92.9	94.8	93.4	94.4	96.4	94.4
55.0	80.1	78.4	80.3	78.8	80.9	79.3	81.4	80.1	82.2	81.0	82.9	81.1	82.5	84.2	82.4
60.0	68.0	66.2	68.0	66.5	68.4	66.9	68.9	67.6	70.1	68.6	70.6	69.0	70.3	71.9	70.1
65.0	55.8	53.9	55.6	53.9	55.9	54.5	56.5	55.0	57.5	56.0	58.2	56.5	57.8	59.4	57.5
70.0	43.4	41.6	43.1	41.5	43.1	41.6	43.5	42.3	44.7	43.4	45.6	44.1	45.2	46.9	44.9
75.0	31.3	29.7	31.0	29.4	30.7	29.2	30.9	33.3	32.2	31.2	33.3	32.1	33.2	34.5	32.7
80.0	20.2	18.6	19.8	18.2	19.4	17.9	19.4	18.5	20.6	19.8	21.9	20.9	21.8	23.0	21.4
85.0	10.2	9.11	9.93	8.65	9.65	8.47	9.56	8.92	10.5	10.1	11.7	11.1	11.9	12.7	11.3
90.0	3.82	3.18	3.55	2.73	3.18	2.45	3.00	2.73	3.82	3.73	4.82	4.46	5.19	5.37	4.46

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 PT30 CW 120D 12W 24V DC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000041

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLA PT30 CW 120D 12W 24V DC IP44	TYPE:LED LINE	WEIGHT:
SPECIFICATION:LED LINE A	DIMENSION: 1010x76x50mm	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	164	164	164	164	164	164	164	164	164
5.0	164	164	164	163	163	163	163	163	163
10.0	162	161	161	161	161	160	161	160	160
15.0	158	157	157	157	157	156	156	155	156
20.0	152	151	152	151	151	150	151	149	150
25.0	145	144	145	144	144	143	144	142	143
30.0	137	136	137	135	136	135	135	134	134
35.0	128	127	128	126	127	125	126	124	125
40.0	118	116	118	116	117	115	116	114	115
45.0	107	106	107	105	106	104	105	103	104
50.0	96.2	94.1	95.5	93.4	94.8	92.6	93.7	91.5	92.7
55.0	84.3	82.1	83.6	81.3	82.9	80.6	81.9	79.6	80.9
60.0	71.8	76.1	71.2	69.1	70.5	68.4	69.6	67.5	68.8
65.0	59.2	57.2	58.4	56.3	57.8	55.7	57.1	55.0	56.3
70.0	46.4	44.3	45.7	43.3	45.0	43.0	44.5	42.5	44.0
75.0	33.9	31.9	33.0	30.8	32.3	30.7	32.1	30.6	31.9
80.0	22.3	20.4	21.2	19.3	20.5	19.3	20.6	19.4	20.5
85.0	12.1	10.4	11.1	9.47	10.5	9.47	10.7	9.65	10.7
90.0	4.64	3.46	3.55	2.55	3.37	2.91	3.64	3.18	3.91

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 PT30 CW 120D 12W 24V DC IP44