

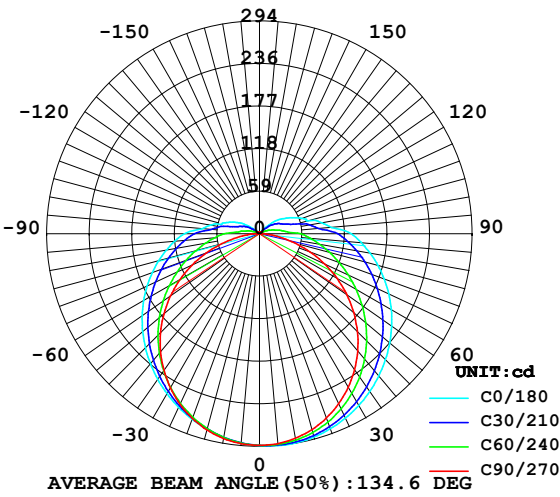
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000076

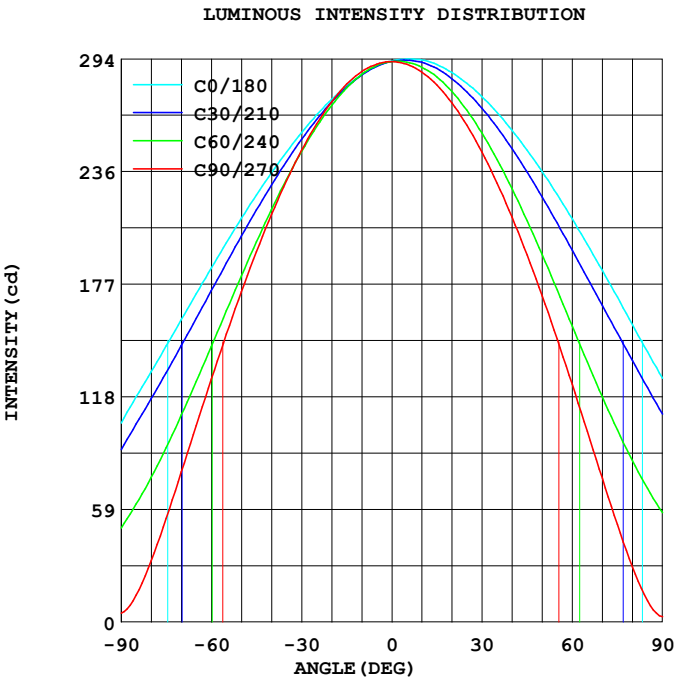
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT60 CW 120D 20W 220V AC IP44D	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:

TEST DATA:					
MODEL:	LLE80	Imax(cd) :	294.4	η street_up(%) :	4.4
NOMINAL POWER(W) :	20	MAXIMUM(C, γ):	180,6.0	η street_down(%) :	45.7
RATED VOLTAGE (V) :	220	TOTAL FLUX(lm) :	1178	η house_up(%)	6.0
NOMINAL FLUX(lm) :	1178.2	EFFICIENCY(%) :	100.0	η house_down(%) :	43.9
TEST FLUX(lm:	1178	η up(%) :	10.4		
LAMPS QUANTITY:	1	η down(%) :	89.6		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:220.8V I:0.181A P:20.00W PF:0.556

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT60 CW 120D 20W 220V IP44D

ZONAL FLUX DIAGRAM

Report number: 2016000076

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT60 CW 120D 20W 220V AC IP44D	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	290.7	290.2	291.7	293.0	294.3	293.3	291.6	290.8	0- 5	6.989	6.989
10.0	286.2	285.3	287.8	290.9	293.9	291.7	287.5	286.2	5- 10	20.74	27.73
15.0	280.3	278.4	281.2	286.6	291.4	287.8	280.7	279.5	10- 15	33.85	61.59
20.0	273.3	269.6	271.9	279.7	287.2	281.6	271.4	270.9	15- 20	45.93	107.5
25.0	265.2	259.3	260.4	271.1	281.6	273.5	259.7	260.6	20- 25	56.65	164.1
30.0	255.9	247.5	246.6	260.5	274.6	263.5	245.7	248.8	25- 30	65.73	229.9
35.0	245.7	234.3	230.6	248.4	266.3	252.0	229.4	235.6	30- 35	72.97	302.9
40.0	234.8	220.2	213.0	235.0	257.1	239.0	211.6	221.2	35- 40	78.22	381.1
45.0	223.3	205.0	193.6	220.2	246.7	224.8	191.8	205.9	40- 45	81.40	462.5
50.0	211.0	189.4	172.6	204.8	235.5	209.8	170.5	190.1	45- 50	82.55	545.0
55.0	198.3	173.5	150.5	188.5	223.5	194.2	147.9	173.9	50- 55	81.71	626.8
60.0	185.1	157.4	127.0	172.1	210.8	178.2	124.2	157.4	55- 60	79.01	705.8
65.0	171.6	141.4	102.7	155.8	197.5	162.1	99.76	140.9	60- 65	74.69	780.5
70.0	158.0	125.7	78.44	139.5	183.9	146.3	75.16	124.9	65- 70	69.02	849.5
75.0	144.4	110.5	54.20	123.7	169.9	130.8	51.01	109.5	70- 75	62.37	911.9
80.0	130.8	96.20	31.88	108.6	155.4	115.7	28.78	95.02	75- 80	55.14	967.0
85.0	117.7	82.81	14.03	94.47	141.3	101.7	11.20	81.54	80- 85	47.81	1015
90.0	104.0	69.69	4.555	81.35	127.4	88.64	2.733	68.51	85- 90	40.87	1056
95.0	80.26	48.19	3.644	57.30	100.5	63.95	2.459	46.55	90- 95	32.03	1088
100.0	68.96	38.62	3.553	47.83	87.82	53.38	2.550	37.80	95-100	24.63	1112
105.0	53.20	29.79	3.462	38.44	68.87	44.36	2.642	28.78	100-105	19.29	1132
110.0	46.46	18.95	3.370	26.05	62.59	29.60	2.733	18.67	105-110	13.92	1146
115.0	37.80	12.75	3.370	18.95	53.11	21.95	2.824	12.20	110-115	10.77	1156
120.0	29.42	6.833	3.370	15.39	43.73	18.40	2.915	6.104	115-120	8.360	1165
125.0	18.67	3.370	3.370	8.655	34.89	11.75	3.006	3.917	120-125	5.970	1171
130.0	7.379	3.279	3.370	3.370	25.69	4.464	3.097	3.826	125-130	3.776	1175
135.0	4.282	3.462	3.462	3.370	13.48	3.917	3.188	3.826	130-135	2.253	1177
140.0	4.099	3.462	3.462	3.370	4.190	3.735	3.279	3.644	135-140	1.459	1178
145.0	0	0	0	0	0	0	0	0	140-145	0	1178
150.0	0	0	0	0	0	0	0	0	145-150	0	1178
155.0	0	0	0	0	0	0	0	0	150-155	0	1178
160.0	0	0	0	0	0	0	0	0	155-160	0	1178
165.0	0	0	0	0	0	0	0	0	160-165	0	1178
170.0	0	0	0	0	0	0	0	0	165-170	0	1178
175.0	0	0	0	0	0	0	0	0	170-175	0	1178
180.0	0	0	0	0	0	0	0	0	175-180	0	1178
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

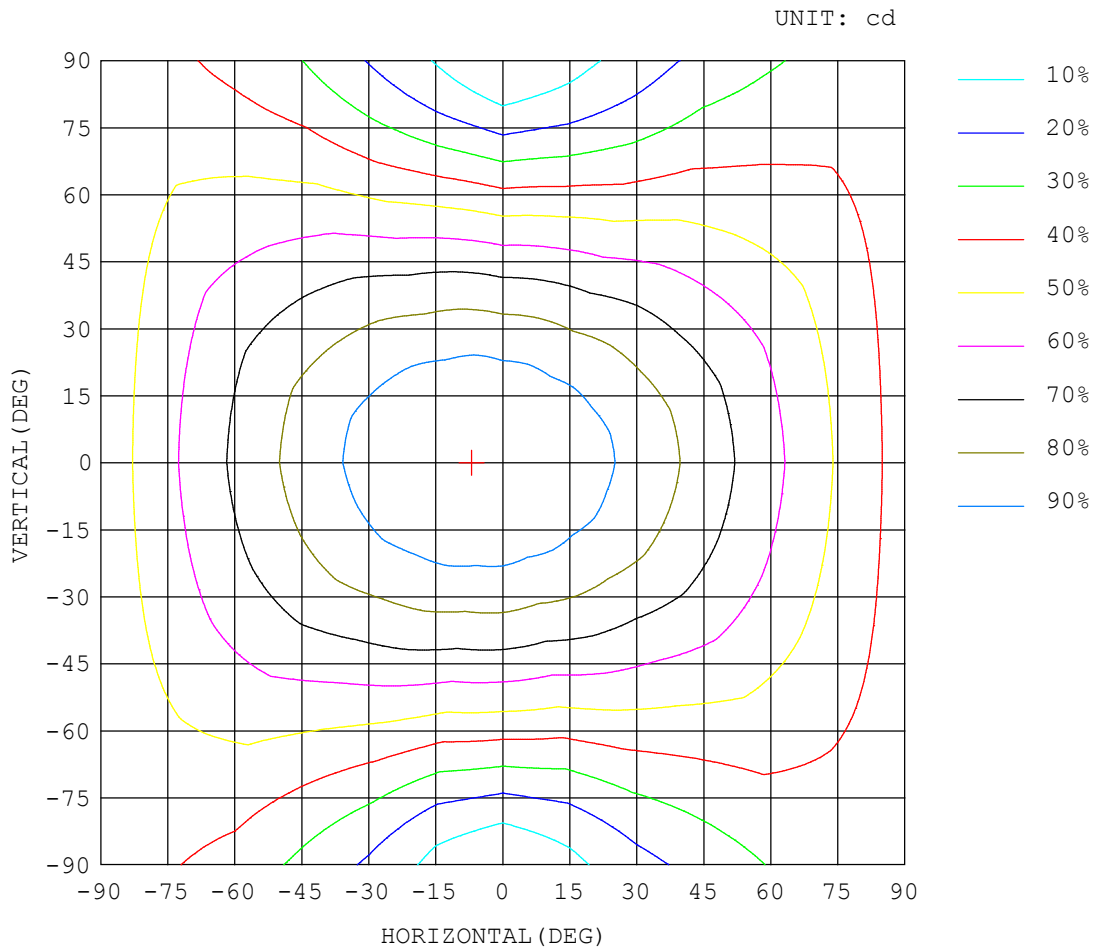
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT60 CW 120D 20W 220V IP44D

ISOCANDELA DIAGRAM

Report number: 2016000076

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT60 CW 120D 20W 220V AC IP44D	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



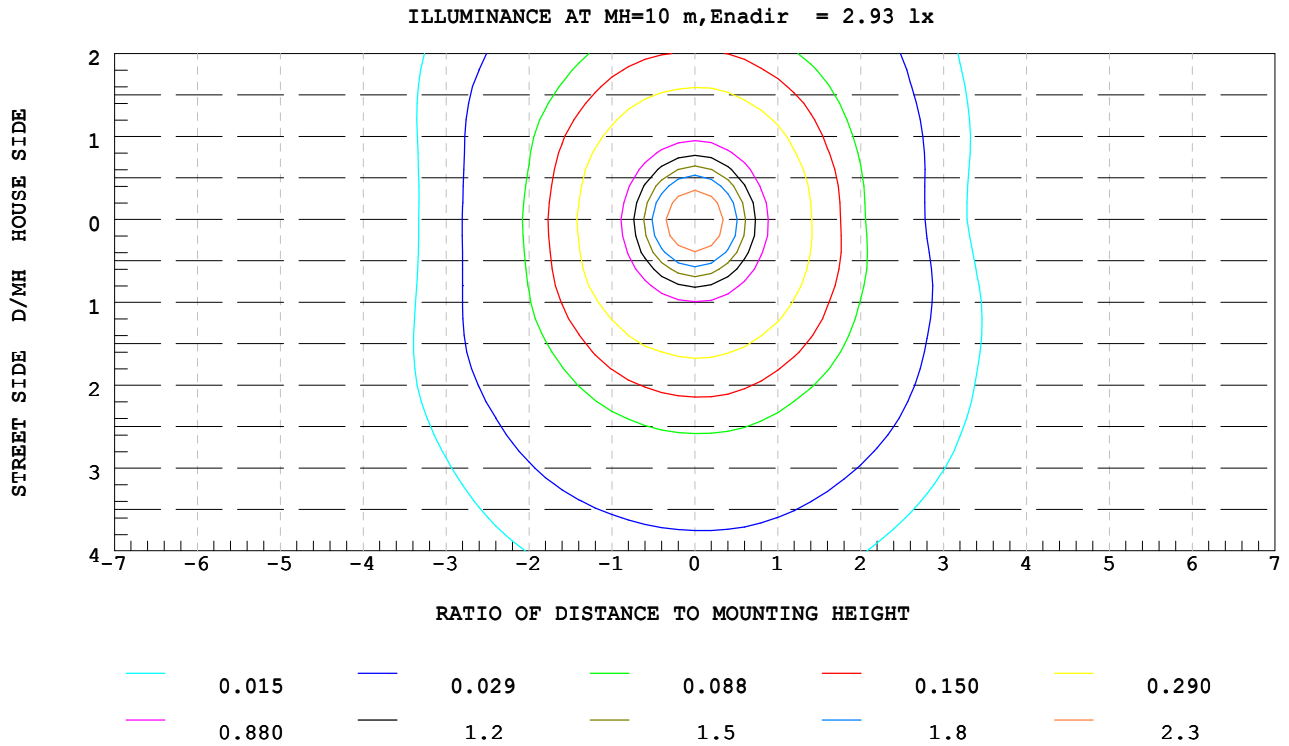
Test System: LSG-1600
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ISOLUX DIAGRAM

Report number: 2016000076

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
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SPECIFICATION: LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



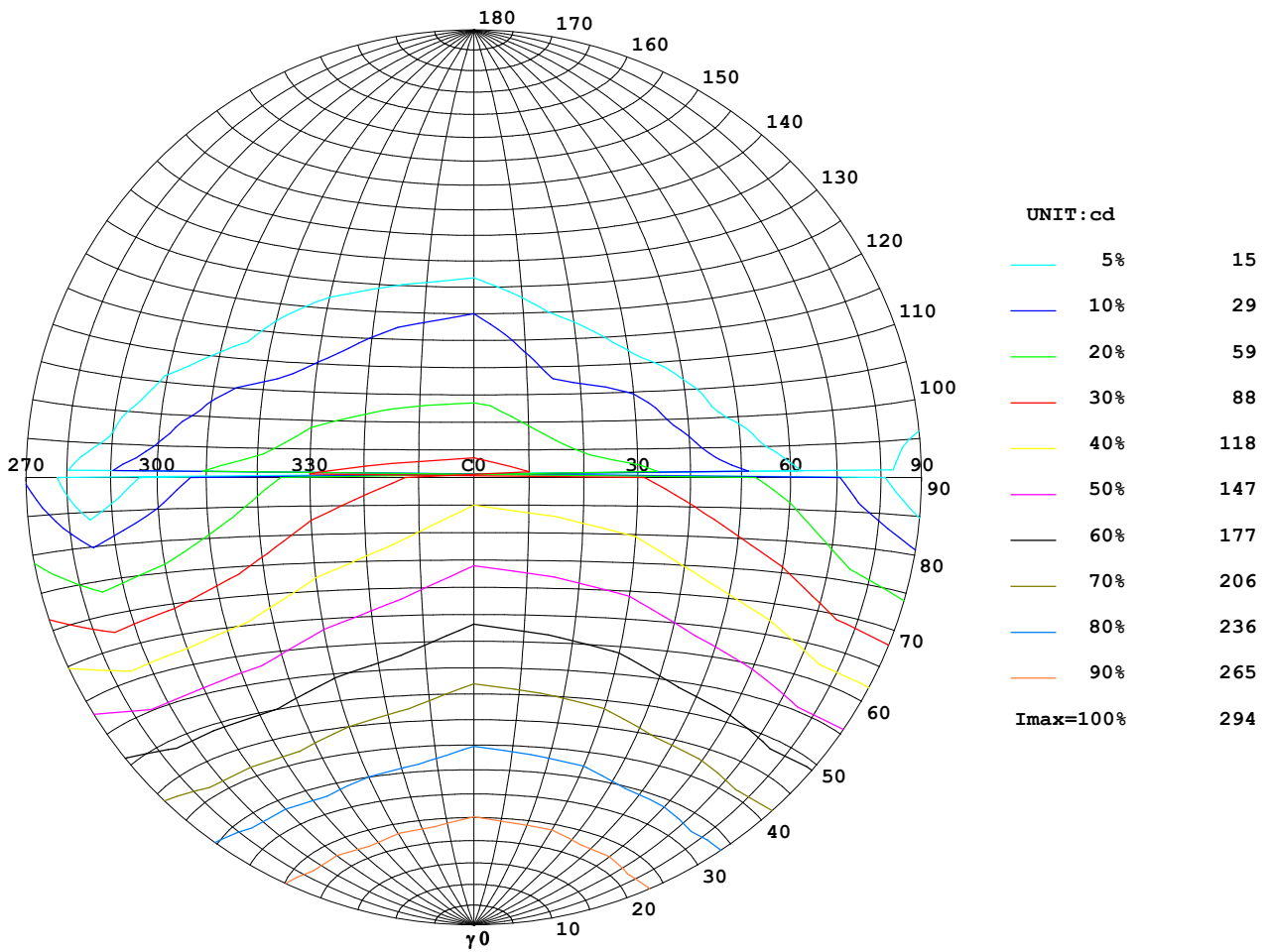
Test System: LSG-1600
 Temperature: 25.3 DEG
 Operators: REGAIP DASTAN
 Test Date: 03-11-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
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SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



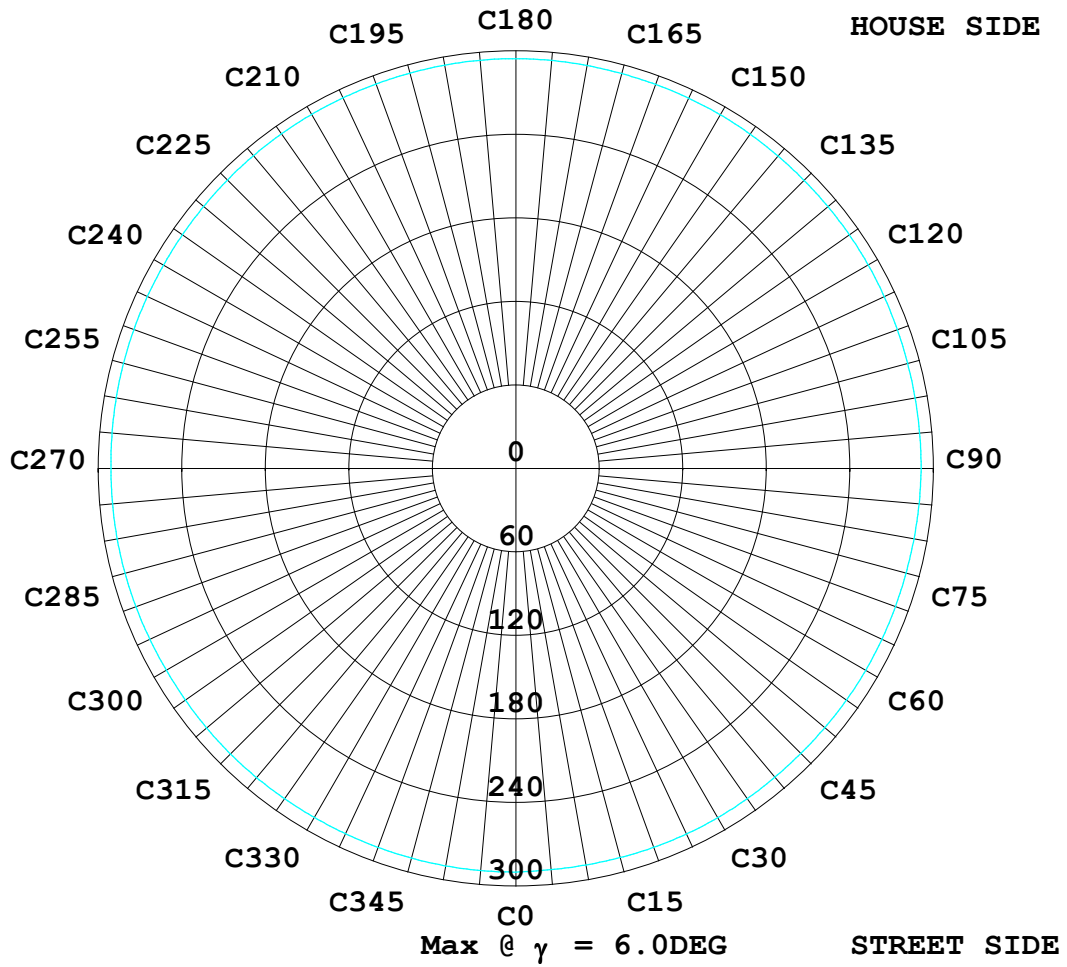
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
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ISOCANDELA DIAGRAM

Report number: 2016000076

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NAME: LLE80 PT60 CW 120D 20W 220V AC IP44D	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



Test System: LSG-1600
 Temperature: 25.3DEG
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Test Set: 2.0deg/s C-Gamma (TYPE C)
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 Test Distance: 9.545 m
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000076

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT60 CW 120D 20W 220V AC IP44D	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	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	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293
5.0	291	290	291	290	291	291	292	292	293	293	294	294	294	294	294
10.0	286	286	286	285	286	286	288	288	290	291	293	293	294	294	293
15.0	280	279	280	278	279	279	281	282	285	287	289	290	291	291	289
20.0	273	272	272	270	270	269	272	273	277	280	284	285	287	287	284
25.0	265	263	263	259	259	257	260	262	268	271	277	279	282	281	277
30.0	256	254	252	248	246	243	247	249	256	261	268	272	275	274	269
35.0	246	243	241	234	232	227	231	233	242	248	258	263	266	265	259
40.0	235	232	228	220	216	210	213	216	226	235	247	253	257	256	248
45.0	223	220	215	205	199	191	194	197	209	220	234	242	247	245	235
50.0	211	207	202	189	181	171	173	176	192	205	221	230	236	234	222
55.0	198	194	188	174	163	150	151	155	173	189	207	217	224	221	209
60.0	185	180	173	157	144	128	127	133	154	172	193	204	211	209	194
65.0	172	167	159	141	126	106	103	110	135	156	178	191	198	195	180
70.0	158	153	145	126	108	85.0	78.4	87.6	116	140	164	177	184	181	166
75.0	144	139	130	111	91.1	65.1	54.2	66.2	98.1	124	150	163	170	168	151
80.0	131	126	117	96.2	75.5	47.4	31.8	47.3	81.6	109	135	149	155	154	137
85.0	118	112	103	82.8	61.6	32.7	14.0	31.7	67.0	94.4	121	134	141	139	123
90.0	104	98.4	90.1	69.6	49.1	21.5	4.55	20.4	54.2	81.3	108	120	127	125	109
95.0	80.2	74.9	67.6	48.1	30.1	11.5	3.64	10.8	35.2	57.3	82.1	93.6	101	98.3	82.9
100.0	68.9	64.1	56.4	38.6	22.3	6.19	3.55	6.28	26.1	47.8	70.5	81.8	87.8	85.9	71.2
105.0	53.2	43.0	38.7	29.7	16.0	2.73	3.46	3.00	19.3	38.4	54.2	53.8	68.8	56.7	52.4
110.0	46.4	38.6	29.7	18.9	9.38	2.91	3.37	2.73	14.0	26.0	39.4	49.7	62.5	54.2	39.6
115.0	37.8	32.3	24.3	12.7	4.09	3.00	3.37	2.82	8.65	18.9	32.5	44.2	53.1	48.1	33.0
120.0	29.4	25.1	18.1	6.83	3.91	3.09	3.37	2.91	3.91	15.3	27.8	37.3	43.7	40.6	28.2
125.0	18.6	15.1	9.20	3.37	3.73	3.18	3.37	3.09	3.82	8.65	21.9	30.0	34.8	32.8	22.3
130.0	7.37	4.73	4.28	3.27	3.73	3.18	3.37	3.09	3.73	3.37	13.3	21.1	25.6	23.7	13.6
135.0	4.28	3.55	4.00	3.46	3.73	3.27	3.46	3.18	3.64	3.37	4.55	10.0	13.4	12.0	4.73
140.0	4.09	3.64	4.00	3.46	3.64	3.37	3.46	3.27	3.64	3.37	4.00	3.55	4.19	4.28	3.64
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT60 CW 120D 20W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000076

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT60 CW 120D 20W 220V AC IP44D	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	293	293	293	293	293	293	293	293	293
5.0	293	293	292	292	291	291	291	290	291
10.0	292	290	289	288	287	286	286	286	286
15.0	288	285	284	281	280	279	280	279	280
20.0	282	277	275	271	271	269	271	271	273
25.0	274	268	265	260	259	258	261	262	265
30.0	264	256	252	246	245	244	249	251	255
35.0	252	242	237	229	230	229	236	239	245
40.0	239	227	220	212	212	213	221	226	233
45.0	225	210	201	192	193	195	206	213	221
50.0	210	192	181	171	173	177	190	199	209
55.0	194	174	160	148	152	158	174	184	196
60.0	178	155	138	124	129	139	157	170	182
65.0	162	136	116	99.7	107	120	141	155	168
70.0	146	118	94.5	75.1	84.9	102	125	140	154
75.0	131	100	73.7	51.0	63.8	84.1	110	126	141
80.0	116	84.3	55.0	28.7	45.0	68.3	95.0	112	127
85.0	102	69.8	39.5	11.2	29.8	54.3	81.5	98.6	114
90.0	88.6	57.1	27.6	2.73	18.6	42.0	68.5	85.0	100
95.0	63.9	36.3	17.4	2.45	9.29	25.6	46.5	62.5	76.3
100.0	53.3	28.6	10.3	2.55	5.19	16.7	37.8	51.6	65.4
105.0	44.3	20.8	6.46	2.64	3.64	11.8	28.7	36.8	43.7
110.0	29.6	14.4	3.64	2.73	3.55	6.19	18.6	26.2	38.3
115.0	21.9	9.74	3.64	2.82	3.55	2.91	12.2	20.9	32.4
120.0	18.4	4.19	3.55	2.91	3.46	3.00	6.10	14.8	25.3
125.0	11.7	3.09	3.55	3.00	3.55	3.09	3.91	6.55	15.3
130.0	4.46	3.18	3.55	3.09	3.46	3.18	3.82	3.37	5.19
135.0	3.91	3.37	3.46	3.18	3.46	3.27	3.82	3.37	4.09
140.0	3.73	3.46	3.55	3.27	3.46	3.27	3.64	3.46	4.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT60 CW 120D 20W 220V IP44D