

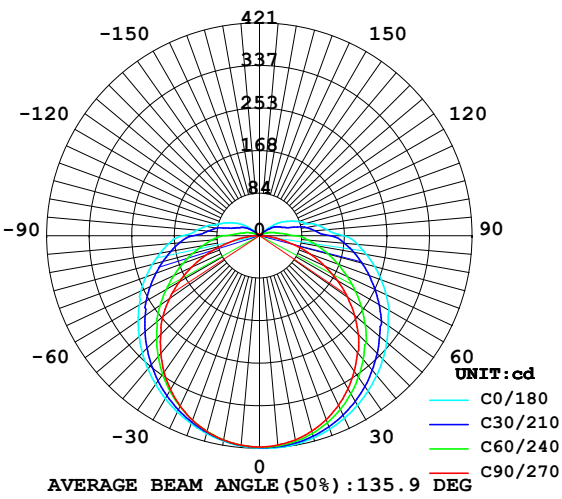
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000077

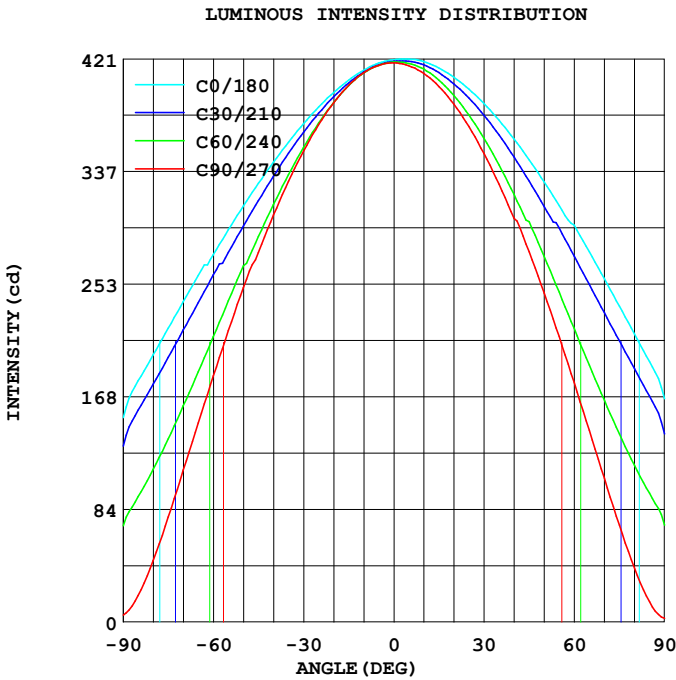
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT90 CW 120D 30W 220V AC IP44D	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:

TEST DATA:					
MODEL:	LLE80	Imax(cd) :	421.0	η street_up(%) :	4.7
NOMINAL POWER(W) :	30	MAXIMUM(C, γ):	180,4.0	η street_down(%) :	47.0
RATED VOLTAGE(V) :	220	TOTAL FLUX(lm) :	1682	η house_up(%)	5.2
NOMINAL FLUX(lm) :	1682.1	EFFICIENCY(%) :	100.0	η house_down(%) :	43.1
TEST FLUX(lm:	1682	η up(%) :	9.9		
LAMPS QUANTITY:	1	η down(%) :	90.1		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:220.8V I:0.260A P:30.00W PF:0.581

Test System:LSG-1600
Temperature:25.4DEG
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 PT90 CW 120D 30W 220V IP44D

ZONAL FLUX DIAGRAM

Report number: 2016000077

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT90 CW 120D 30W 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	417.9	415.9	416.2	417.0	421.0	418.5	415.9	415.1	0- 5	9.983	9.983
10.0	412.7	410.1	410.8	413.4	419.0	415.2	410.2	409.5	5- 10	29.63	39.62
15.0	405.2	401.0	401.3	406.1	414.2	408.5	400.5	400.5	10- 15	48.35	87.98
20.0	395.8	389.2	388.2	395.8	407.3	398.6	387.2	388.7	15- 20	65.60	153.5
25.0	385.1	375.1	371.9	383.1	398.5	386.3	370.4	374.8	20- 25	80.90	234.4
30.0	372.6	358.9	352.1	367.5	387.7	371.5	350.3	358.2	25- 30	93.87	328.3
35.0	358.7	340.7	329.5	349.8	375.1	354.4	327.2	339.6	30- 35	104.2	432.5
40.0	343.9	321.0	304.2	330.2	361.0	335.4	301.7	319.6	35- 40	111.7	544.2
45.0	327.9	300.1	276.4	308.8	345.6	314.7	276.7	298.1	40- 45	116.4	660.7
50.0	311.0	281.7	249.9	290.2	328.9	292.9	245.8	275.6	45- 50	118.4	779.1
55.0	293.2	258.7	217.9	266.5	311.4	270.4	213.3	256.2	50- 55	117.5	896.6
60.0	274.6	235.6	183.9	242.6	296.6	250.9	178.8	232.6	55- 60	113.8	1011
65.0	259.1	212.6	148.8	218.7	276.8	227.4	143.2	209.0	60- 65	107.9	1118
70.0	239.6	189.9	113.5	194.9	256.8	204.4	107.5	186.0	65- 70	99.80	1218
75.0	219.6	168.0	78.44	172.0	236.2	181.9	72.43	163.7	70- 75	90.13	1308
80.0	199.7	147.1	45.91	150.2	215.2	160.2	40.45	142.4	75- 80	79.62	1388
85.0	180.3	127.1	19.77	129.6	194.7	140.0	15.12	122.8	80- 85	68.93	1457
90.0	152.7	102.3	5.193	104.8	166.9	114.0	2.824	97.66	85- 90	58.00	1515
95.0	124.6	73.70	4.008	77.62	135.6	86.73	2.550	69.87	90- 95	43.09	1558
100.0	108.3	59.94	3.826	60.58	118.7	69.87	2.642	56.48	95-100	34.74	1593
105.0	87.73	46.00	3.735	46.10	92.01	53.47	2.824	43.45	100-105	26.43	1619
110.0	74.25	29.97	3.735	30.33	82.81	36.53	2.915	27.42	105-110	19.38	1639
115.0	61.31	23.05	3.735	24.05	69.15	29.15	3.097	21.13	110-115	15.11	1654
120.0	48.83	15.03	3.735	15.67	55.75	21.13	3.188	12.48	115-120	11.64	1665
125.0	35.34	4.919	3.735	5.193	42.63	9.384	3.370	4.646	120-125	8.171	1674
130.0	18.76	3.826	3.826	3.735	24.78	4.555	3.462	4.555	125-130	4.740	1678
135.0	5.101	3.917	3.826	3.826	8.928	4.373	3.644	4.373	130-135	2.292	1681
140.0	4.737	4.008	3.826	3.917	4.646	4.282	3.735	4.190	135-140	1.535	1682
145.0	0	0	0	0	0	0	0	0	140-145	0	1682
150.0	0	0	0	0	0	0	0	0	145-150	0	1682
155.0	0	0	0	0	0	0	0	0	150-155	0	1682
160.0	0	0	0	0	0	0	0	0	155-160	0	1682
165.0	0	0	0	0	0	0	0	0	160-165	0	1682
170.0	0	0	0	0	0	0	0	0	165-170	0	1682
175.0	0	0	0	0	0	0	0	0	170-175	0	1682
180.0	0	0	0	0	0	0	0	0	175-180	0	1682
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

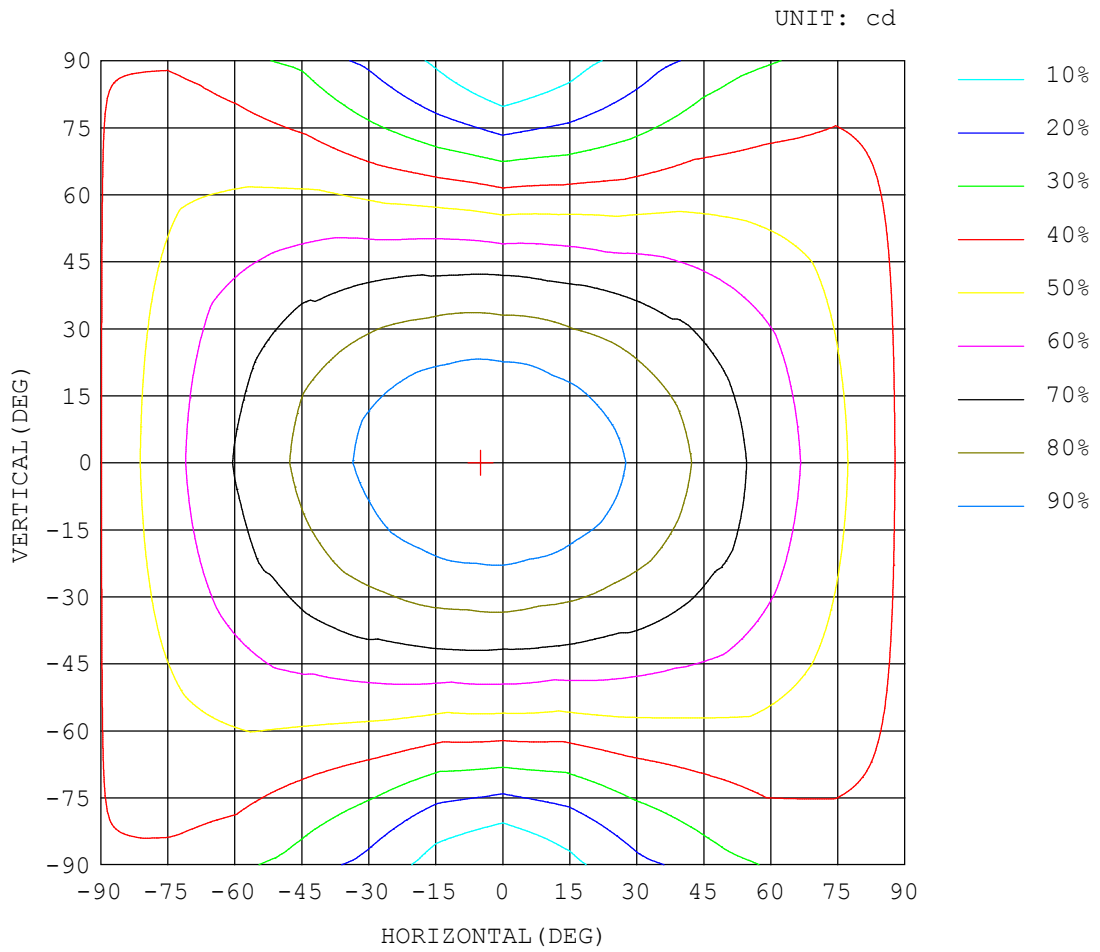
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT90 CW 120D 30W 220V IP44D

ISOCANDELA DIAGRAM

Report number: 2016000077

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT90 CW 120D 30W 220V AC IP44D	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



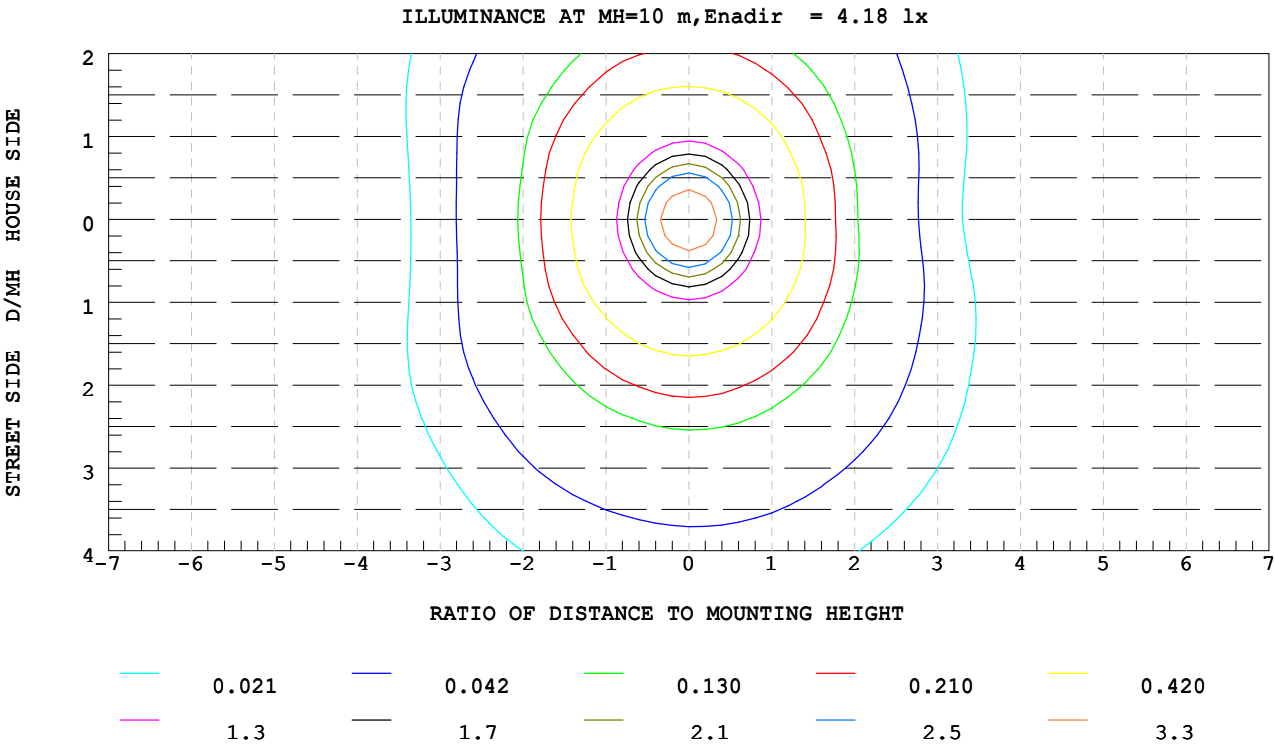
Test System: LSG-1600
Temperature: 25.4 DEG
Operators: REGAIP DASTAN
Test Date: 03-11-2016

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ISOLUX DIAGRAM

Report number: 2016000077

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SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



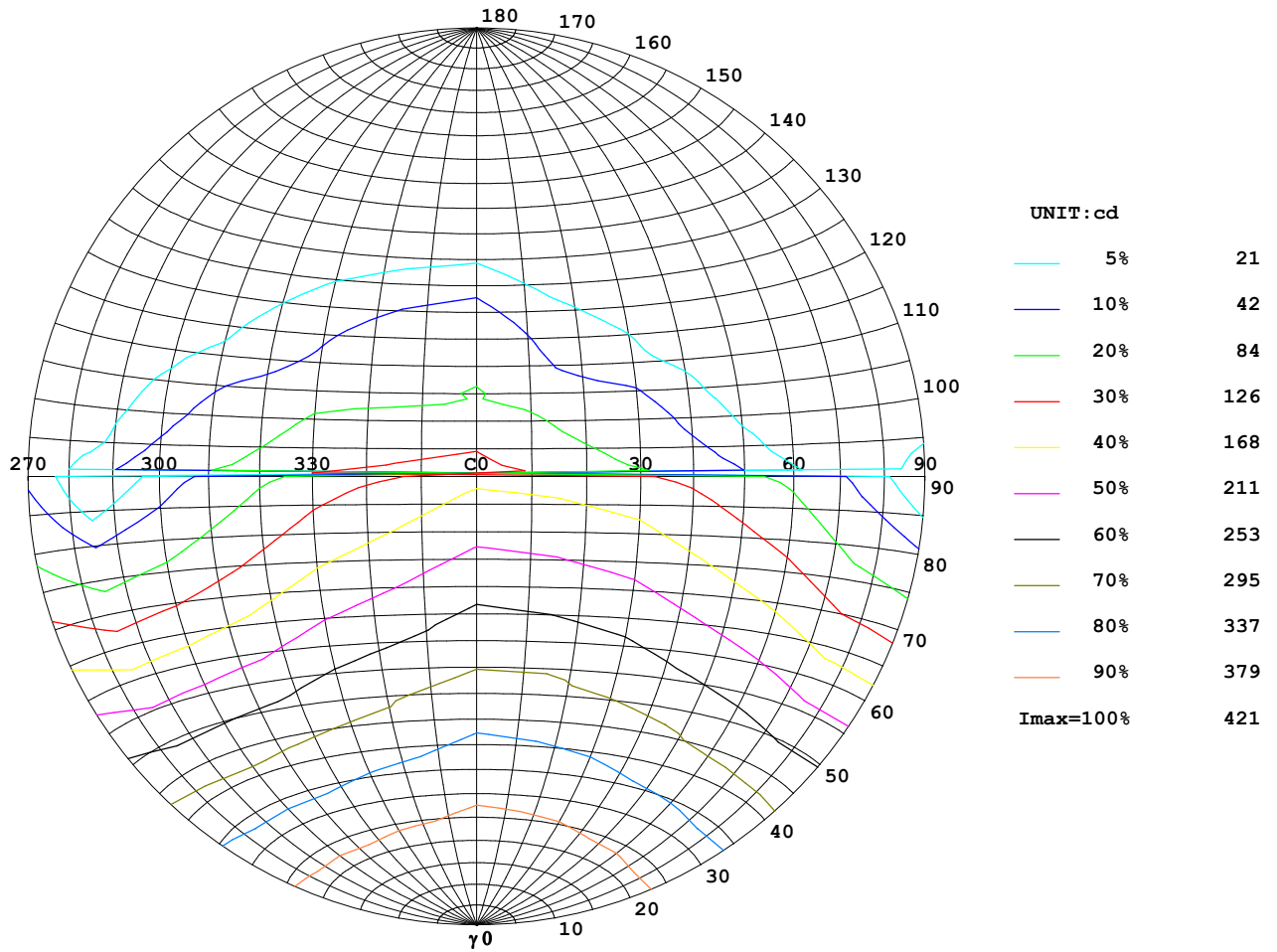
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
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ISOCANDELA DIAGRAM

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SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



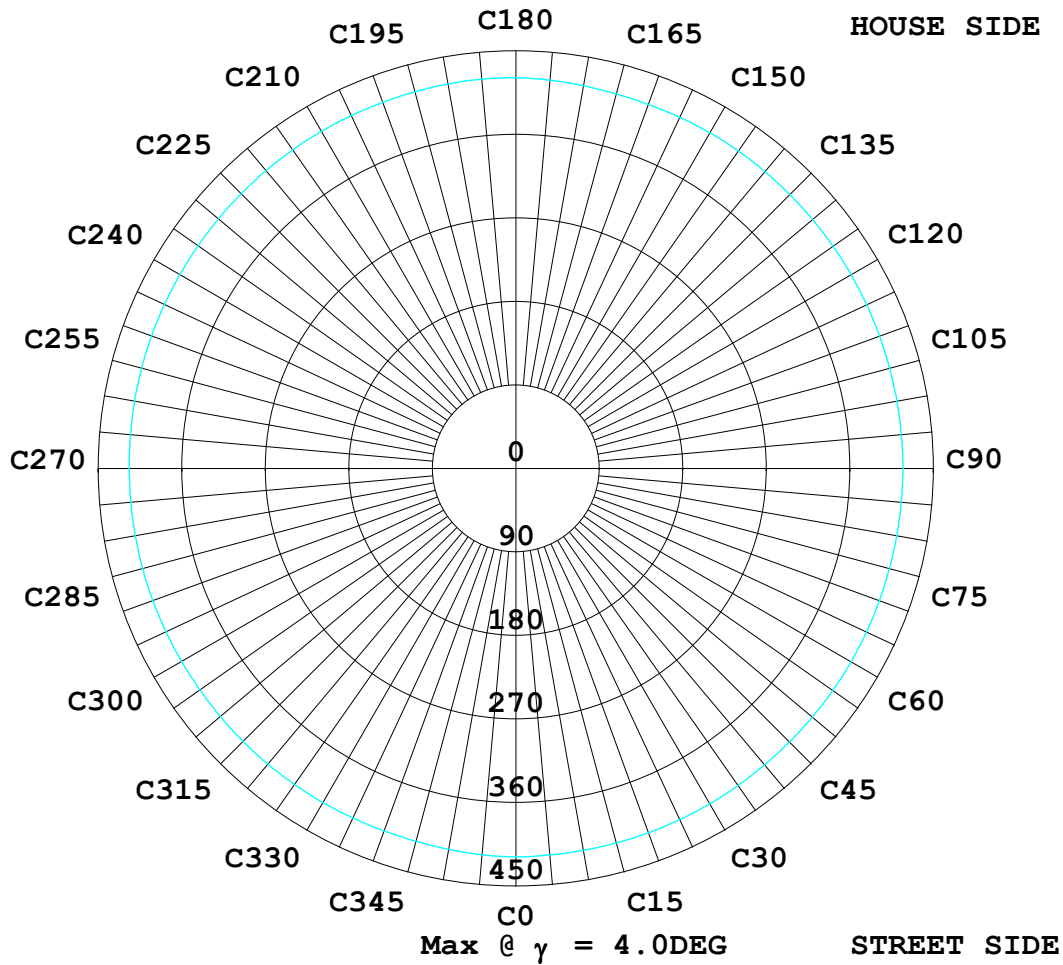
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
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NAME: LLE80 PT90 CW 120D 30W 220V AC IP44D	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE E	DIMENSION: 850x65x55mm	SERIAL No.:



Test System:LSG-1600
Temperature:25.4DEG
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Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT90 CW 120D 30W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000077

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT90 CW 120D 30W 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	421	420	419	419	419	418	418	418	418	418	418	418	421	420	419
5.0	418	417	417	416	416	416	416	416	417	417	418	418	421	420	419
10.0	413	412	411	410	411	410	411	411	413	413	415	415	419	418	417
15.0	405	404	403	401	401	400	401	402	405	406	409	410	414	413	411
20.0	396	394	393	389	388	387	388	389	393	396	401	403	407	406	402
25.0	385	383	380	375	373	370	372	373	379	383	390	393	399	397	392
30.0	373	370	366	359	355	350	352	354	361	368	377	381	388	386	379
35.0	359	356	350	341	335	327	330	331	341	350	362	368	375	373	364
40.0	344	340	333	321	312	303	304	307	319	330	345	353	361	359	348
45.0	328	323	315	300	288	279	276	283	294	309	327	337	346	343	330
50.0	311	306	296	282	266	250	250	253	269	290	308	320	329	326	311
55.0	293	291	276	259	240	220	218	222	245	267	287	301	311	308	295
60.0	275	272	260	236	213	189	184	190	217	243	267	286	297	289	274
65.0	259	252	239	213	187	157	149	158	190	219	249	266	277	269	252
70.0	240	233	218	190	162	126	114	125	163	195	228	246	257	253	231
75.0	220	213	198	168	137	97.2	78.4	94.0	137	172	207	225	236	233	210
80.0	200	193	178	147	114	71.3	45.9	66.5	113	150	186	205	215	212	189
85.0	180	173	158	127	93.7	49.6	19.7	43.7	91.7	130	166	184	195	191	169
90.0	153	145	131	102	71.9	32.5	5.19	26.1	70.4	105	139	156	167	163	141
95.0	125	117	103	73.7	45.7	14.9	4.00	10.3	46.8	77.6	109	125	136	132	111
100.0	108	101	87.4	59.9	32.7	10.3	3.82	6.92	30.3	60.5	92.5	109	119	115	94.6
105.0	87.7	69.4	58.3	46.0	25.6	4.19	3.73	2.91	23.7	46.1	65.8	72.0	92.0	76.8	64.8
110.0	74.2	62.5	46.8	29.9	16.7	3.09	3.73	3.00	16.3	30.3	47.5	64.8	82.8	72.5	49.2
115.0	61.3	53.2	39.6	23.0	8.47	3.27	3.73	3.18	7.10	24.0	40.8	56.5	69.1	62.8	42.8
120.0	48.8	42.8	31.9	15.0	4.37	3.46	3.73	3.27	4.37	15.6	34.2	46.6	55.7	51.7	35.4
125.0	35.3	30.0	20.1	4.91	4.28	3.55	3.73	3.37	4.28	5.19	22.8	35.1	42.6	39.7	24.2
130.0	18.7	14.4	7.10	3.82	4.28	3.64	3.82	3.55	4.28	3.73	9.65	19.4	24.7	22.7	10.6
135.0	5.10	4.09	4.73	3.91	4.19	3.73	3.82	3.64	4.09	3.82	4.64	4.91	8.92	7.28	3.91
140.0	4.73	4.19	4.55	4.00	4.09	3.82	3.82	3.82	4.09	3.91	4.46	4.00	4.64	4.73	4.00
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:25.4DEG
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 PT90 CW 120D 30W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000077

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT90 CW 120D 30W 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	419	419	418	418	418	418	418	418	418
5.0	419	418	417	416	416	415	415	415	415
10.0	415	413	412	410	410	409	410	410	410
15.0	409	405	404	401	400	399	401	401	403
20.0	399	394	391	387	387	386	389	390	393
25.0	386	379	375	370	371	370	375	378	382
30.0	372	362	356	350	351	351	358	363	369
35.0	354	342	334	327	329	330	340	347	355
40.0	335	320	310	302	304	307	320	329	339
45.0	315	299	284	277	276	286	298	311	323
50.0	293	273	258	246	251	259	276	295	305
55.0	270	247	228	213	220	232	256	274	287
60.0	251	219	197	179	188	204	233	253	268
65.0	227	192	165	143	155	177	209	232	252
70.0	204	166	133	108	123	150	186	211	233
75.0	182	141	103	72.4	92.5	125	164	190	212
80.0	160	117	76.3	40.4	65.2	102	142	170	193
85.0	140	96.3	54.0	15.1	43.1	81.6	123	150	173
90.0	114	72.3	36.3	2.82	26.6	58.7	97.6	123	146
95.0	86.7	49.3	17.5	2.55	11.0	37.1	69.8	95.2	118
100.0	69.8	33.7	12.2	2.64	7.56	24.7	56.4	80.3	102
105.0	53.4	25.7	5.92	2.82	4.09	17.9	43.4	55.1	68.3
110.0	36.5	18.6	4.00	2.91	3.91	11.1	27.4	41.2	60.6
115.0	29.1	9.38	3.91	3.09	3.91	3.46	21.1	34.1	52.0
120.0	21.1	3.46	3.91	3.18	3.91	3.37	12.4	26.6	42.0
125.0	9.38	3.55	3.91	3.37	3.91	3.46	4.64	15.3	29.6
130.0	4.55	3.64	3.91	3.46	3.91	3.64	4.55	4.09	14.2
135.0	4.37	3.73	4.00	3.64	3.91	3.64	4.37	3.91	4.91
140.0	4.28	3.91	3.91	3.73	3.91	3.73	4.19	3.91	4.64
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:25.4DEG
 Operators:REGAIP DASTAN
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Test Set: 2.0deg/s C-Gamma (TYPE C)
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