

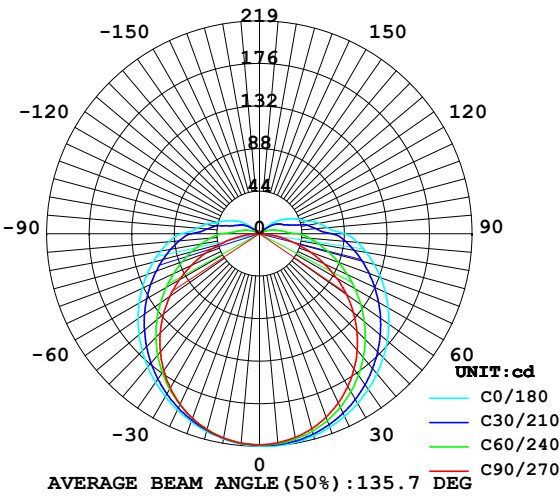
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000075

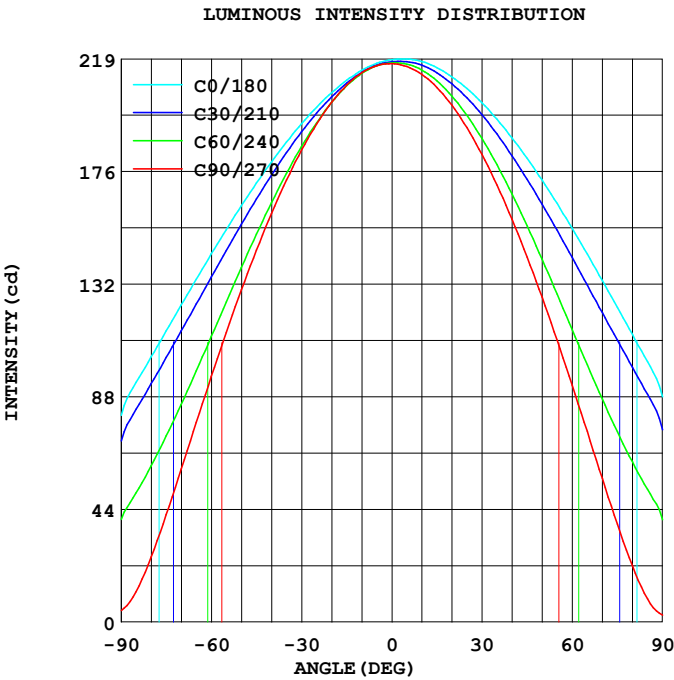
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT45 CW 120D 15W 220V AC IP44D	TYPE:LED LINE E	WEIGHT:---
SPECIFICATION:LED LINE E80	DIMENSION: 820x65x55mm	SERIAL No.:

TEST DATA:					
MODEL:	LLE80	Imax(cd) :	219.4	η street_up(%) :	4.9
NOMINAL POWER(W) :	15	MAXIMUM(C, γ):	180,3.0	η street_down(%) :	46.6
RATED VOLTAGE (V) :	220	TOTAL FLUX(lm) :	880.4	η house_up(%)	5.5
NOMINAL FLUX(lm) :	880.5	EFFICIENCY(%) :	100.0	η house_down(%) :	42.9
TEST FLUX(lm:	880.4	η up(%) :	10.5		
LAMPS QUANTITY:	1	η down(%) :	89.5		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:220.6V I:0.141A P:15.00W PF:0.546

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 PT45 CW 120D 15W 220V IP44D

ZONAL FLUX DIAGRAM

Report number: 2016000075

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT45 CW 120D 15W 220V AC IP44D	TYPE:LED LINE E	WEIGHT:---
SPECIFICATION:LED LINE E80	DIMENSION: 820x65x55mm	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	217.7	216.5	216.8	217.2	219.3	218.0	216.5	216.2	0- 5	5.198	5.198
10.0	215.0	213.3	214.0	215.3	218.4	216.4	213.4	213.3	5- 10	15.43	20.63
15.0	211.1	208.7	209.2	211.6	216.0	213.0	208.3	208.6	10- 15	25.18	45.82
20.0	206.3	202.5	202.6	206.2	212.4	208.2	201.4	202.6	15- 20	34.17	79.99
25.0	200.6	195.1	194.0	199.4	207.9	201.8	192.6	195.2	20- 25	42.15	122.1
30.0	194.2	186.8	183.9	191.5	202.3	194.3	182.2	186.5	25- 30	48.92	171.0
35.0	187.0	177.4	172.2	182.2	195.9	185.7	170.2	177.1	30- 35	54.33	225.4
40.0	179.2	167.1	159.1	171.9	188.5	176.0	156.8	166.6	35- 40	58.26	283.6
45.0	171.0	156.5	144.9	160.8	180.7	165.3	142.2	155.4	40- 45	60.67	344.3
50.0	162.2	145.1	129.4	149.1	172.1	154.3	126.5	143.7	45- 50	61.56	405.9
55.0	152.9	133.4	112.8	137.0	163.0	142.7	109.7	131.8	50- 55	60.98	466.9
60.0	143.4	121.8	95.75	124.7	153.4	131.0	92.20	119.5	55- 60	59.04	525.9
65.0	133.5	110.0	77.80	112.3	143.4	119.2	74.25	107.5	60- 65	55.87	581.8
70.0	123.5	98.48	59.58	100.2	133.1	107.4	55.93	95.57	65- 70	51.70	633.5
75.0	113.5	87.46	41.81	88.64	122.6	95.93	38.08	84.09	70- 75	46.81	680.3
80.0	103.3	76.71	25.23	77.44	112.0	85.00	21.95	73.34	75- 80	41.46	721.8
85.0	93.38	66.78	11.84	66.87	101.4	74.52	9.019	63.31	80- 85	36.02	757.8
90.0	80.53	55.02	4.464	54.93	87.82	61.77	2.733	51.29	85- 90	30.58	788.4
95.0	64.77	39.99	3.462	39.54	70.97	46.00	2.368	36.53	90- 95	22.94	811.3
100.0	56.30	32.61	3.279	32.43	62.31	38.81	2.459	29.70	95-100	18.56	829.9
105.0	45.82	25.41	3.188	24.87	48.74	30.52	2.550	22.95	100-105	14.37	844.3
110.0	38.99	16.85	3.188	17.58	43.91	20.77	2.550	14.85	105-110	10.64	854.9
115.0	32.16	12.84	3.188	12.93	36.80	16.30	2.642	11.66	110-115	8.355	863.3
120.0	25.78	8.564	3.188	8.928	30.06	12.66	2.642	7.015	115-120	6.548	869.8
125.0	18.76	3.553	3.188	3.826	23.59	6.924	2.824	3.735	120-125	4.741	874.5
130.0	10.11	3.097	3.097	2.915	15.21	3.644	2.824	3.553	125-130	2.960	877.5
135.0	3.917	3.097	3.188	3.006	6.377	3.553	2.915	3.462	130-135	1.670	879.2
140.0	3.735	3.188	3.188	3.006	3.735	3.462	3.006	3.370	135-140	1.230	880.4
145.0	0	0	0	0	0	0	0	0	140-145	0	880.4
150.0	0	0	0	0	0	0	0	0	145-150	0	880.4
155.0	0	0	0	0	0	0	0	0	150-155	0	880.4
160.0	0	0	0	0	0	0	0	0	155-160	0	880.4
165.0	0	0	0	0	0	0	0	0	160-165	0	880.4
170.0	0	0	0	0	0	0	0	0	165-170	0	880.4
175.0	0	0	0	0	0	0	0	0	170-175	0	880.4
180.0	0	0	0	0	0	0	0	0	175-180	0	880.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

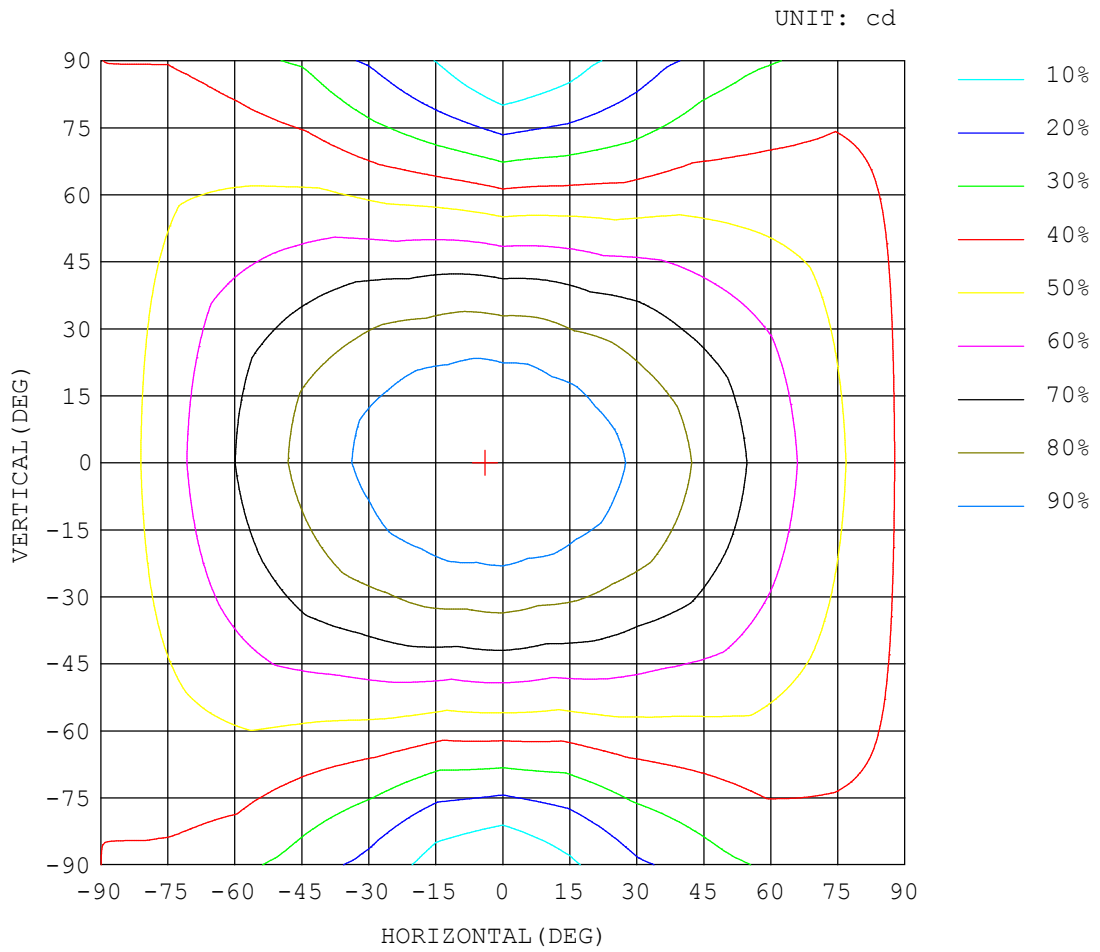
Test System:LSG-1600
Temperature:25.4DEG
Operators:REGAIP DASTAN
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT45 CW 120D 15W 220V IP44D

ISOCANDELA DIAGRAM

Report number: 2016000075

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT45 CW 120D 15W 220V AC IP44D	TYPE: LED LINE E	WEIGHT: ---
SPECIFICATION: LED LINE E80	DIMENSION: 820x65x55mm	SERIAL No.:



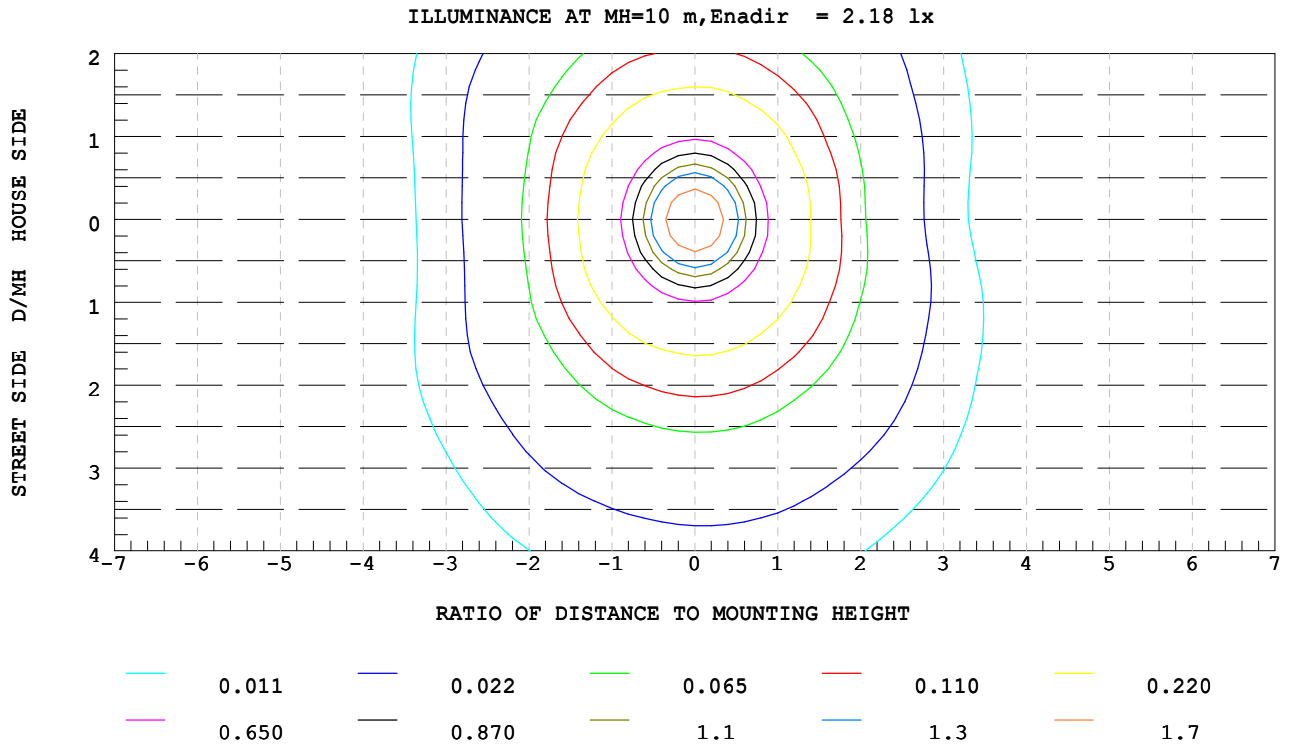
Test System: LSG-1600
Temperature: 25.4 DEG
Operators: REGAIP DASTAN
Test Date: 03-11-2016

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ISOLUX DIAGRAM

Report number: 2016000075

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SPECIFICATION: LED LINE E80	DIMENSION: 820x65x55mm	SERIAL No.:



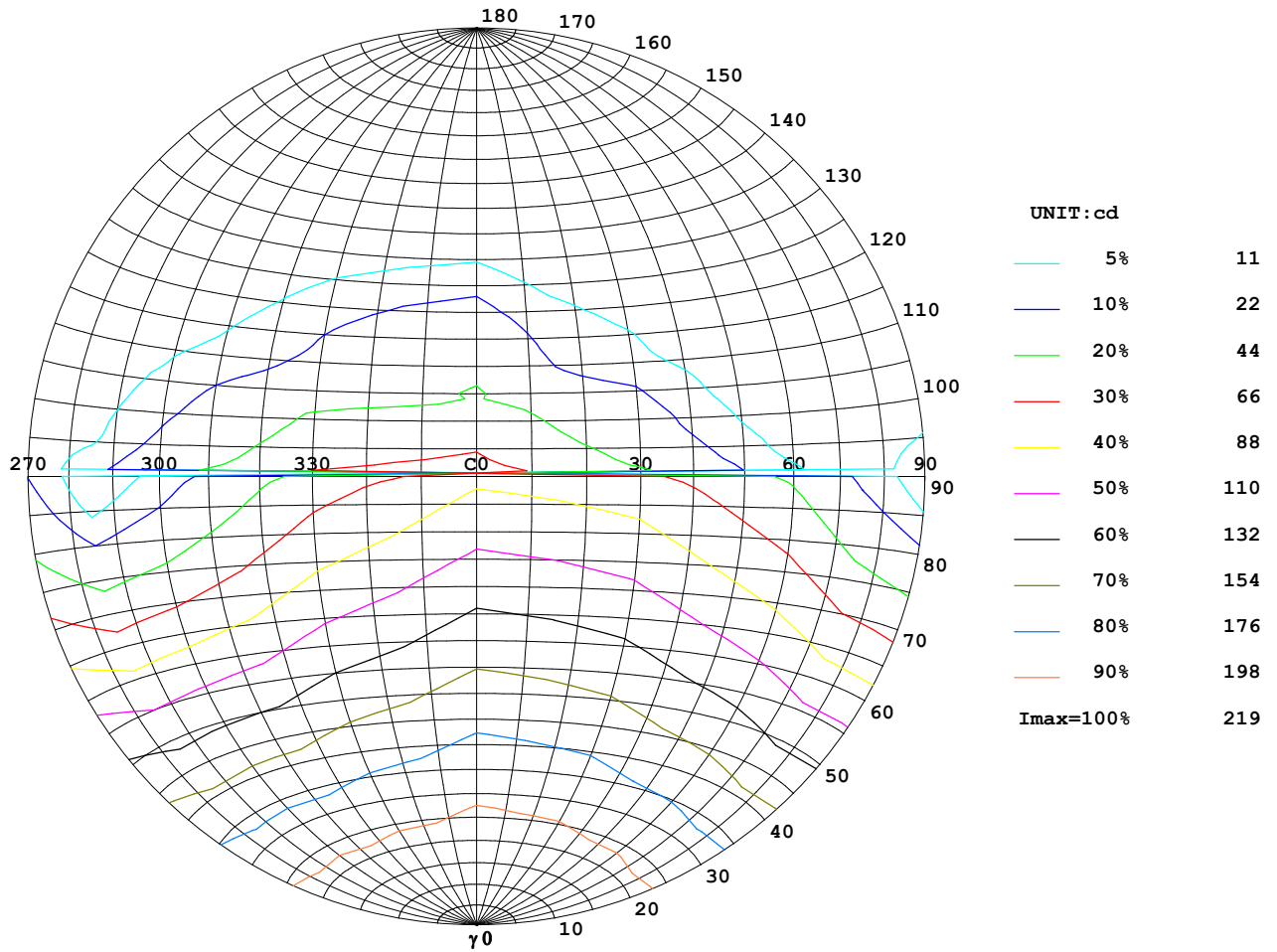
Test System: LSG-1600
 Temperature: 25.4 DEG
 Operators: REGAIP DASTAN
 Test Date: 03-11-2016

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SPECIFICATION:LED LINE E80	DIMENSION: 820x65x55mm	SERIAL No.:



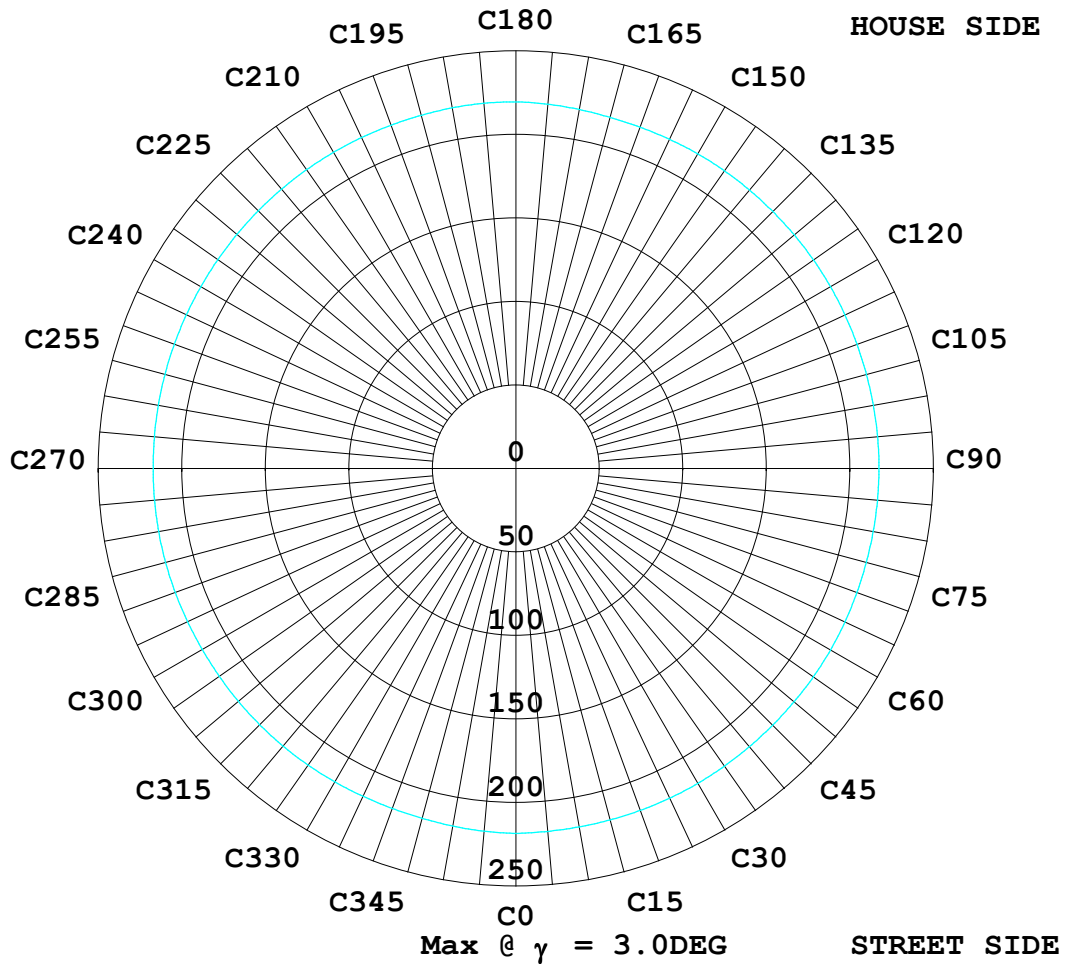
Test System:LSG-1600
Temperature:25.4DEG
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Report number: 2016000075

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT45 CW 120D 15W 220V AC IP44D	TYPE: LED LINE E	WEIGHT: ---
SPECIFICATION: LED LINE E80	DIMENSION: 820x65x55mm	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
 Remarks: LLE80 PT45 CW 120D 15W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000075

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT45 CW 120D 15W 220V AC IP44D	TYPE:LED LINE E	WEIGHT:---
SPECIFICATION:LED LINE E80	DIMENSION: 820x65x55mm	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	219	219	218	218	218	218	218	218	218	218	217	217	219	219	218
5.0	218	217	217	217	217	216	217	217	217	217	218	218	219	219	218
10.0	215	214	214	213	214	213	214	214	215	215	216	216	218	218	217
15.0	211	210	210	209	209	208	209	209	211	212	213	214	216	216	214
20.0	206	205	205	203	203	201	203	202	205	206	209	210	212	212	210
25.0	201	199	198	195	195	192	194	194	198	199	203	205	208	207	204
30.0	194	192	191	187	185	182	184	184	189	192	197	199	202	202	198
35.0	187	185	183	177	175	170	172	172	178	182	189	192	196	195	190
40.0	179	177	174	167	163	158	159	159	167	172	180	184	189	188	182
45.0	171	168	165	157	151	144	145	145	154	161	171	176	181	180	172
50.0	162	159	155	145	138	129	129	130	141	149	161	167	172	171	163
55.0	153	150	145	133	125	113	113	114	127	137	151	157	163	162	153
60.0	143	140	134	122	111	97.7	95.7	97.6	112	125	140	147	153	152	142
65.0	134	130	124	110	97.9	81.8	77.8	80.9	98.1	112	129	137	143	142	131
70.0	124	120	113	98.4	84.8	66.1	59.5	64.0	84.1	100	118	127	133	132	121
75.0	114	110	103	87.4	72.5	51.5	41.8	48.1	70.9	88.6	107	117	123	122	110
80.0	103	99.3	92.9	76.7	60.8	38.3	25.2	33.8	58.5	77.4	96.6	106	112	111	99.3
85.0	93.3	89.1	82.9	66.7	50.3	27.3	11.8	22.2	47.5	66.8	86.2	95.4	101	101	88.8
90.0	80.5	76.0	70.5	55.0	39.9	18.5	4.46	13.5	37.2	54.9	73.6	81.8	87.8	86.8	74.8
95.0	64.7	60.8	55.2	39.9	25.6	9.74	3.46	6.19	24.8	39.5	57.3	65.7	70.9	69.9	59.0
100.0	56.3	52.7	46.9	32.6	19.1	6.74	3.27	4.19	16.7	32.4	49.0	57.3	62.3	61.3	50.6
105.0	45.8	36.9	31.7	25.4	14.8	3.46	3.18	2.55	12.8	24.8	36.9	38.7	48.7	41.1	35.0
110.0	38.9	33.3	25.6	16.8	10.0	2.64	3.18	2.55	9.29	17.5	26.6	34.4	43.9	39.2	27.7
115.0	32.1	28.3	21.8	12.8	5.64	2.73	3.18	2.64	4.73	12.9	22.3	30.3	36.8	34.3	23.7
120.0	25.7	22.8	17.6	8.56	3.55	2.82	3.18	2.73	3.46	8.92	18.7	25.1	30.0	28.6	19.9
125.0	18.7	16.1	11.3	3.55	3.46	2.82	3.18	2.82	3.37	3.82	13.2	19.4	23.5	22.5	14.3
130.0	10.1	7.92	4.55	3.09	3.37	2.91	3.09	2.82	3.37	2.91	6.46	11.5	15.2	14.1	7.37
135.0	3.91	3.18	3.73	3.09	3.27	3.00	3.18	2.91	3.27	3.00	3.64	3.82	6.37	5.64	3.18
140.0	3.73	3.37	3.55	3.18	3.37	3.09	3.18	3.00	3.27	3.00	3.55	3.18	3.73	3.73	3.27
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 PT45 CW 120D 15W 220V IP44D

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000075

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLE80 PT45 CW 120D 15W 220V AC IP44D	TYPE:LED LINE E	WEIGHT:---
SPECIFICATION:LED LINE E80	DIMENSION: 820x65x55mm	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	218	218	218	218	218	218	218	217	217
5.0	218	217	217	217	217	216	216	216	216
10.0	216	215	215	213	214	213	213	213	214
15.0	213	211	210	208	209	208	209	208	210
20.0	208	205	204	201	202	201	203	203	205
25.0	202	197	196	193	193	192	195	196	199
30.0	194	188	186	182	183	183	187	189	192
35.0	186	178	175	170	172	172	177	180	185
40.0	176	167	162	157	159	159	167	171	177
45.0	165	154	149	142	144	146	155	161	168
50.0	154	141	134	127	129	133	144	151	159
55.0	143	128	119	110	114	119	132	140	150
60.0	131	114	103	92.2	97.0	104	120	129	140
65.0	119	100	86.5	74.2	80.3	90.3	108	119	130
70.0	107	86.9	70.5	55.9	63.6	76.6	95.5	108	120
75.0	95.9	74.1	55.3	38.0	47.8	63.6	84.0	97.1	109
80.0	85.0	62.4	41.9	21.9	33.8	51.9	73.3	86.8	99.3
85.0	74.5	51.7	30.4	9.01	22.4	41.5	63.3	76.8	89.3
90.0	61.7	39.8	21.5	2.73	14.1	30.4	51.2	63.8	76.5
95.0	46.0	26.6	11.8	2.36	6.55	19.5	36.5	49.1	60.9
100.0	38.8	19.6	8.38	2.45	4.55	13.2	29.7	41.3	52.8
105.0	30.5	15.4	5.10	2.55	3.37	9.56	22.9	28.6	36.0
110.0	20.7	10.5	3.37	2.55	3.27	6.01	14.8	21.6	31.7
115.0	16.3	6.37	3.27	2.64	3.27	2.73	11.6	18.0	27.4
120.0	12.6	2.82	3.27	2.64	3.18	2.82	7.01	14.1	22.3
125.0	6.92	2.91	3.27	2.82	3.27	2.91	3.73	8.29	15.7
130.0	3.64	3.00	3.27	2.82	3.18	2.91	3.55	3.09	7.74
135.0	3.55	3.09	3.18	2.91	3.18	3.00	3.46	3.09	3.82
140.0	3.46	3.18	3.18	3.00	3.18	3.00	3.37	3.18	3.55
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
Test Date:03-11-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: LLE80 PT45 CW 120D 15W 220V IP44D