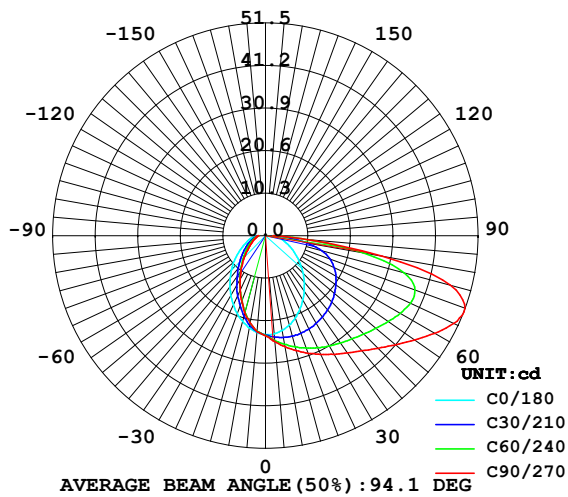
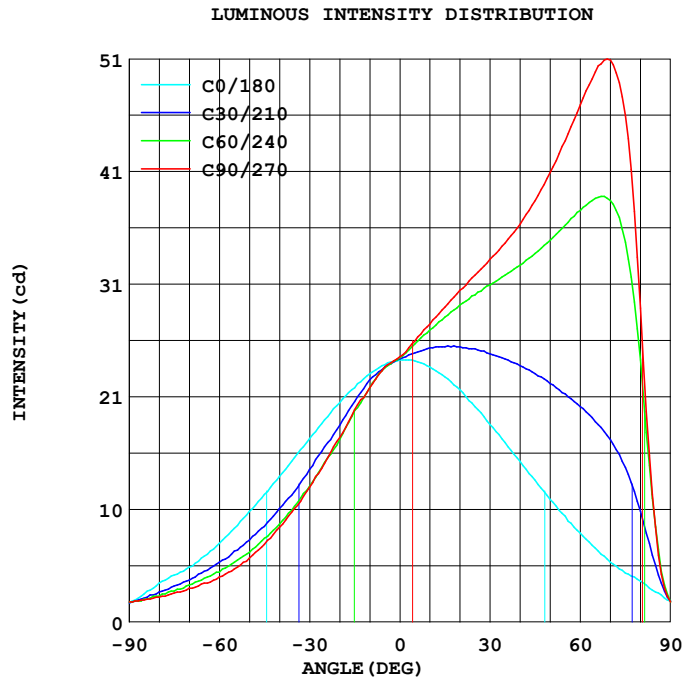


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000116

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.: ---

TEST DATA:					
MODEL:	LLGEN	Imax (cd) :	51.47	η street_up (%) :	0.0
NOMINAL POWER (W) :	7	MAXIMUM (C, γ :	270, 69.0	η street_down (%) :	54.6
RATED VOLTAGE (V) :	220	TOTAL FLUX (lm) :	200	η house_up (%) :	0.0
NOMINAL FLUX (lm) :	200.1	EFFICIENCY (%) :	100.0	η house_down (%) :	45.4
TEST FLUX (lm) :	200	η up (%) :	0.0		
LAMPS QUANTITY:	1	η down (%) :	100.0		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSINTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

Test: U: 220.8V I: 0A P: 7.000W PF: 0

Test System: LSG-1600
 Temperature: 24.0 DEG
 Operators: REGAIP DASTAN
 Test Date: 11-07-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
 Humidity: 52.0%
 Test Distance: 9.545 m
 Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

ZONAL FLUX DIAGRAM

Report number: 2016000116

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.:---

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	23.50	22.86	23.32	23.23	23.87	24.78	25.69	24.69	0- 5	0.575	0.575
10.0	22.68	21.31	21.41	21.86	23.32	25.78	27.24	25.41	5- 10	1.704	2.279
15.0	21.41	19.04	19.40	19.77	22.41	26.60	28.78	26.05	10- 15	2.758	5.038
20.0	20.04	16.85	16.85	17.67	21.22	27.14	30.33	26.51	15- 20	3.702	8.740
25.0	18.49	14.48	14.48	15.30	19.67	27.60	31.70	26.87	20- 25	4.516	13.25
30.0	16.76	12.57	12.29	13.39	18.03	27.87	33.16	27.05	25- 30	5.210	18.46
35.0	15.03	10.75	10.38	11.47	16.39	28.15	34.62	27.24	30- 35	5.790	24.25
40.0	13.30	9.201	8.655	9.839	14.66	28.42	36.35	27.24	35- 40	6.283	30.54
45.0	11.66	7.744	7.106	8.381	12.93	28.51	38.53	27.33	40- 45	6.707	37.24
50.0	10.11	6.559	5.830	7.106	11.20	28.60	41.08	27.42	45- 50	7.091	44.34
55.0	8.564	5.648	4.828	5.921	9.657	28.69	44.00	27.42	50- 55	7.439	51.78
60.0	7.197	4.737	4.099	5.010	8.108	28.60	47.28	27.14	55- 60	7.758	59.53
65.0	6.013	4.008	3.553	4.282	6.741	28.15	50.29	26.51	60- 65	8.017	67.55
70.0	5.010	3.462	3.097	3.553	5.466	26.96	51.38	24.96	65- 70	8.102	75.65
75.0	4.282	2.824	2.642	3.006	4.464	24.05	46.28	21.59	70- 75	7.677	83.33
80.0	3.553	2.368	2.277	2.550	3.735	17.49	28.69	14.57	75- 80	6.143	89.48
85.0	2.550	2.004	2.004	2.095	2.733	8.108	8.655	6.013	80- 85	3.379	198.1
90.0	1.731	1.731	1.822	1.731	1.913	2.277	1.822	2.095	85- 90	1.409	200.1
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	

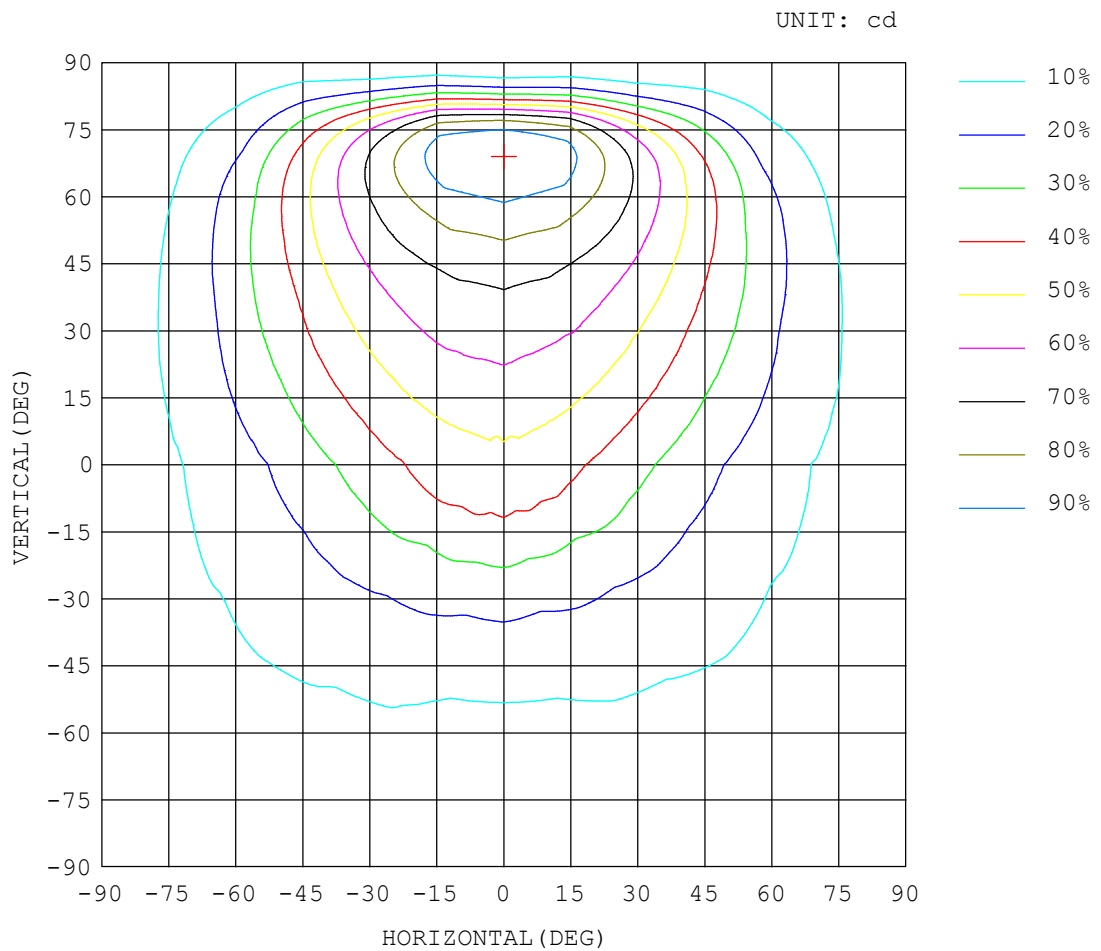
Test System:LSG-1600
Temperature:24.0DEG
Operators:REGAIP DASTAN
Test Date:11-07-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

ISOCANDELA DIAGRAM

Report number: 2016000116

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.: ---



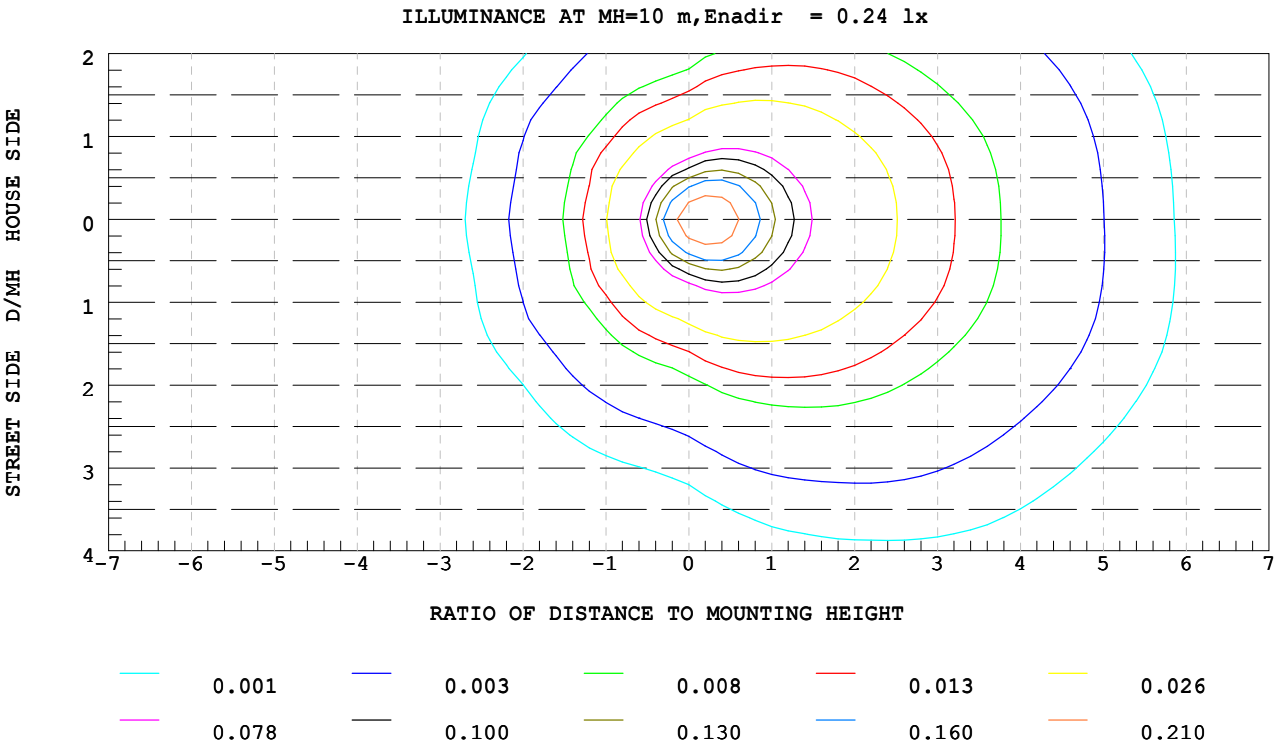
Test System: LSG-1600
Temperature: 24.0 DEG
Operators: REGAIP DASTAN
Test Date: 11-07-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 52.0%
Test Distance: 9.545 m
Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

ISOLUX DIAGRAM

Report number: 2016000116

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.:---



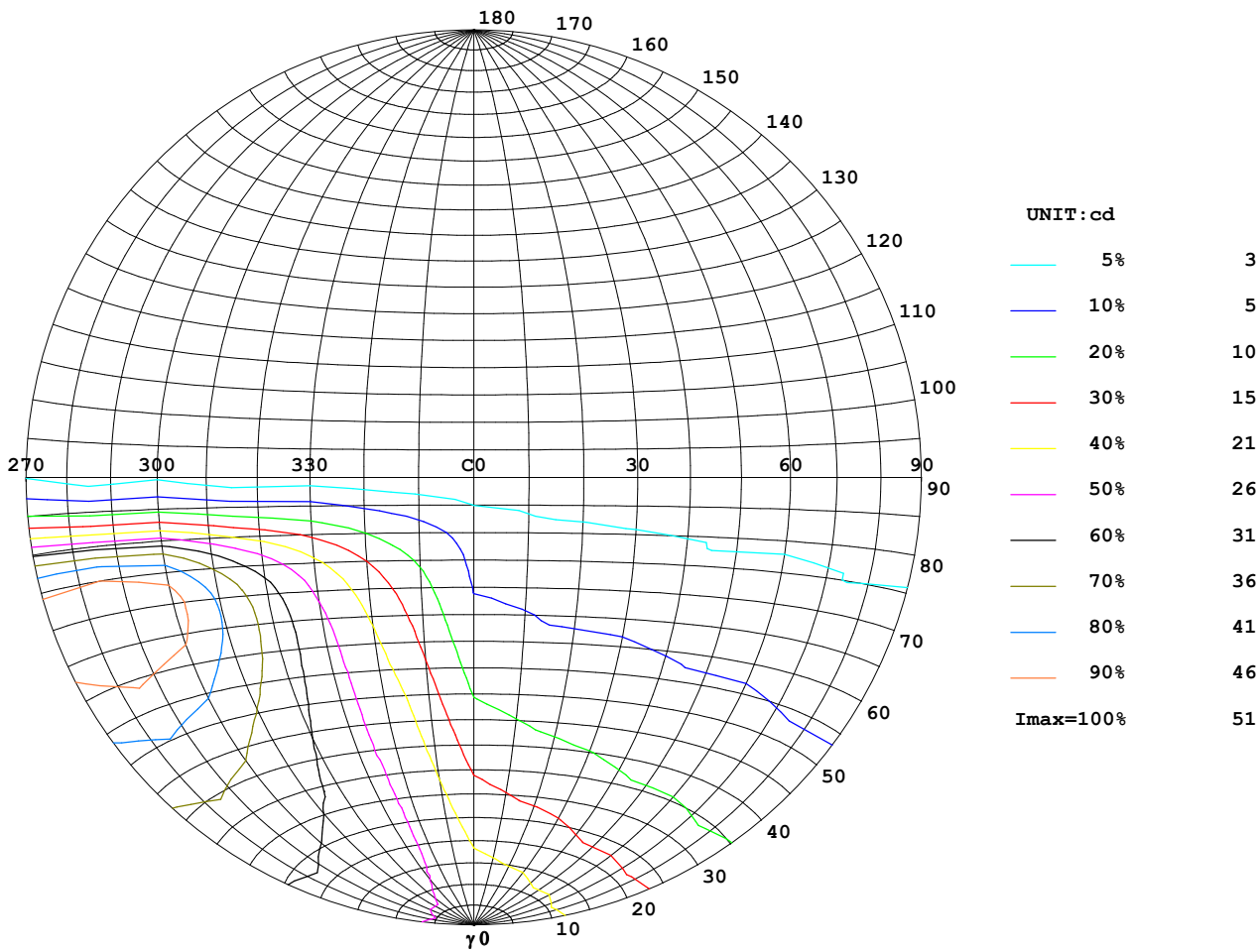
Test System:LSG-1600
Temperature:24.0DEG
Operators:REGAIP DASTAN
Test Date:11-07-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

ISOCANDELA DIAGRAM

Report number: 2016000116

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.:---



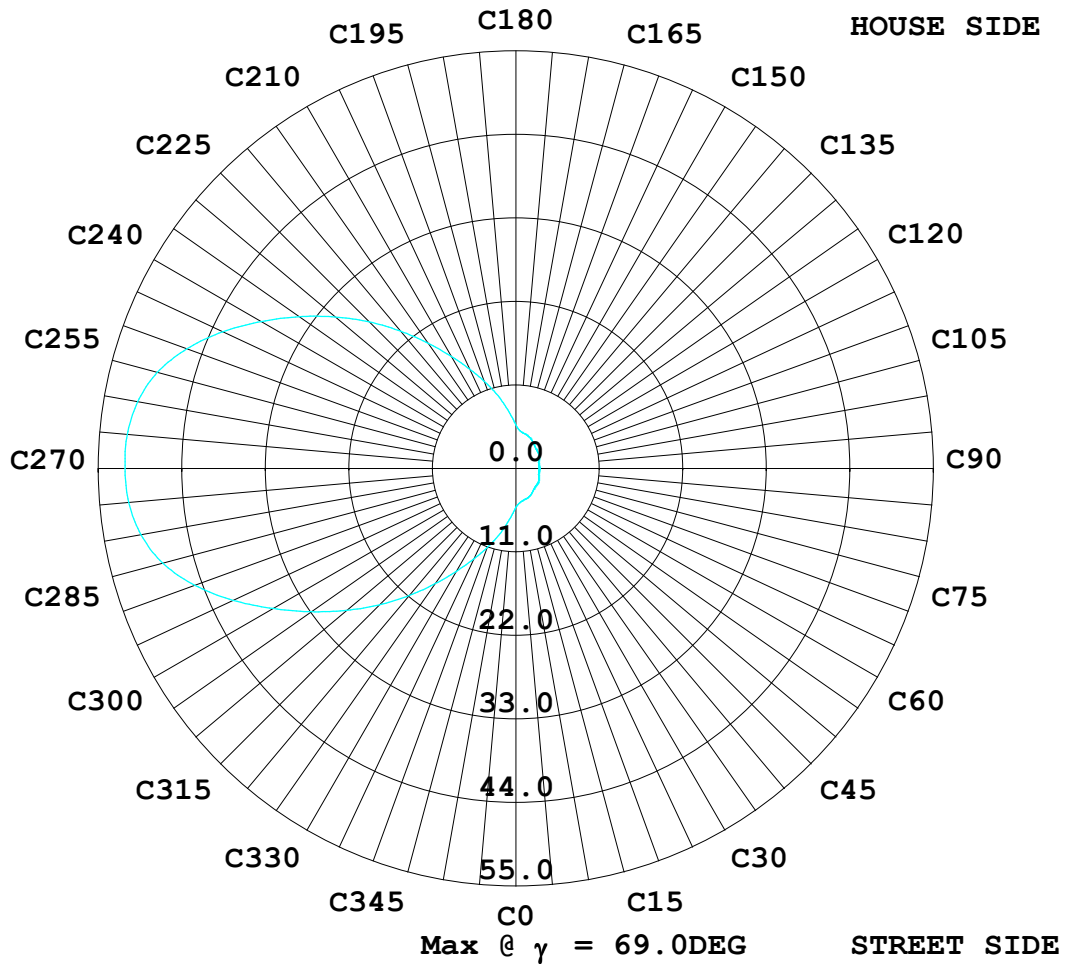
Test System:LSG-1600
Temperature:24.0DEG
Operators:REGAIP DASTAN
Test Date:11-07-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:52.0%
Test Distance:9.545 m
Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

ISOCANDELA DIAGRAM

Report number: 2016000116

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.: ---



Test System: LSG-1600
Temperature: 24.0DEG
Operators: REGAIP DASTAN
Test Date: 11-07-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 52.0%
Test Distance: 9.545 m
Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000116

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE GEN	DIMENSION: 166x94x62mm	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	23.9	23.8	24.0	23.7	24.1	23.8	24.2	23.8	24.1	23.8	24.1	23.9	23.9	23.8	24.0
5.0	23.5	23.2	23.3	22.8	23.2	22.8	23.3	22.9	23.5	23.2	23.5	23.6	23.8	24.1	24.5
10.0	22.6	22.1	22.1	21.3	21.4	20.8	21.4	21.0	21.7	21.8	22.7	22.8	23.3	24.0	25.0
15.0	21.4	20.6	20.1	19.0	19.3	18.6	19.4	19.0	19.8	19.7	21.1	21.6	22.4	23.6	25.1
20.0	20.0	19.0	17.9	16.8	16.6	16.1	16.8	16.4	17.3	17.6	19.0	20.1	21.2	23.0	25.1
25.0	18.4	17.0	16.0	14.4	14.5	13.8	14.4	14.2	15.1	15.3	17.1	18.3	19.6	22.1	24.9
30.0	16.7	15.0	13.9	12.5	12.3	11.8	12.2	12.1	12.9	13.3	14.9	16.3	18.0	21.1	24.5
35.0	15.0	13.1	11.9	10.7	10.5	9.93	10.3	10.1	11.1	11.4	12.8	14.3	16.3	19.9	24.0
40.0	13.3	11.2	10.3	9.20	8.92	8.19	8.65	8.47	9.38	9.83	11.2	12.5	14.6	18.6	23.4
45.0	11.6	9.74	8.74	7.74	7.65	6.83	7.10	7.01	7.92	8.38	9.56	10.8	12.9	17.4	22.6
50.0	10.1	8.19	7.47	6.55	6.37	5.73	5.83	5.83	6.74	7.10	8.19	9.20	11.2	16.0	21.7
55.0	8.56	6.92	6.46	5.64	5.46	4.82	4.82	4.82	5.64	5.92	7.01	7.83	9.65	14.6	20.8
60.0	7.19	5.83	5.46	4.73	4.55	4.09	4.09	4.09	4.73	5.01	5.92	6.55	8.10	13.1	19.6
65.0	6.01	4.91	4.64	4.00	4.00	3.46	3.55	3.46	4.09	4.28	5.01	5.46	6.74	11.5	18.3
70.0	5.01	4.09	3.82	3.46	3.37	3.00	3.09	3.00	3.46	3.55	4.19	4.55	5.46	9.93	16.6
75.0	4.28	3.46	3.27	2.82	2.82	2.55	2.64	2.55	2.91	3.00	3.46	3.73	4.46	8.19	14.1
80.0	3.55	2.91	2.73	2.36	2.36	2.27	2.27	2.27	2.55	2.55	2.82	3.00	3.73	6.37	10.1
85.0	2.55	2.27	2.18	2.00	2.09	1.91	2.00	1.91	2.09	2.09	2.27	2.36	2.73	3.91	5.19
90.0	1.73	1.73	1.73	1.73	1.82	1.73	1.82	1.73	1.82	1.73	1.82	1.73	1.91	2.00	1.91

Test System: LSG-1600
Temperature: 24.0 DEG
Operators: REGAIP DASTAN
Test Date: 11-07-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity: 52.0%
Test Distance: 9.545 m
Remarks: LLGEN 165 CW 120D 7W 220V AC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000116

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: LLGEN 165 CW 120D 7W 220V AC IP44	TYPE:LED LINE	WEIGHT:---
SPECIFICATION:LED LINE GEN	DIMENSION: 166x94x62mm	SERIAL No.:---

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	23.7	24.1	23.8	24.2	23.8	24.1	23.8	24.1	23.9
5.0	24.7	25.4	25.2	25.6	25.2	25.3	24.6	24.4	23.9
10.0	25.7	26.6	26.8	27.2	26.6	26.4	25.4	24.5	23.5
15.0	26.6	27.8	28.2	28.7	28.0	27.5	26.0	24.5	22.9
20.0	27.1	28.9	29.7	30.3	29.5	28.5	26.5	24.3	22.1
25.0	27.6	29.8	31.0	31.7	30.7	29.4	26.8	23.9	21.0
30.0	27.8	30.7	32.3	33.1	32.0	30.2	27.0	23.5	19.9
35.0	28.1	31.7	33.7	34.6	33.4	31.0	27.2	22.8	18.7
40.0	28.4	32.6	35.2	36.3	34.9	31.9	27.2	22.1	17.4
45.0	28.5	33.7	37.0	38.5	36.8	32.9	27.3	21.4	16.1
50.0	28.6	34.8	39.3	41.0	39.0	34.2	27.4	20.4	14.7
55.0	28.6	36.2	41.9	44.0	41.6	35.4	27.4	19.4	13.3
60.0	28.6	37.6	44.7	47.2	44.4	36.6	27.1	18.3	11.9
65.0	28.1	38.7	47.5	50.2	47.1	37.3	26.5	16.9	10.4
70.0	26.9	38.5	49.0	51.3	48.2	36.5	24.9	15.1	9.01
75.0	24.0	34.7	45.1	46.2	43.6	31.7	21.5	12.3	7.47
80.0	17.4	23.9	30.1	28.6	27.6	20.4	14.5	8.29	5.46
85.0	8.10	8.74	10.3	8.65	9.01	6.83	6.01	3.91	3.27
90.0	2.27	1.82	2.45	1.82	2.36	1.82	2.09	1.73	1.82