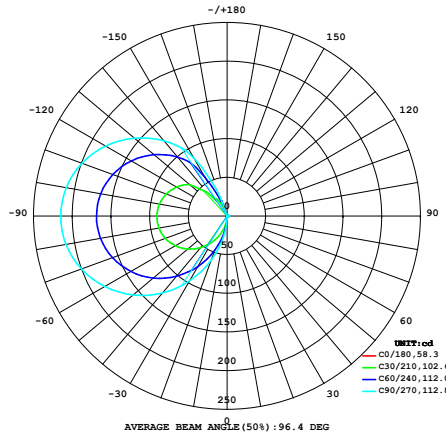


LAMP PHOTOMETRIC REPORT

MODEL: 99LPL094/BL		
POWER: 9.4W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 576.98 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	0.4534	0.4580	0.5052	0.4546	0.4366	15.64	25.95	15.51	0- 10	0.4416	0.4416	0.08
20	0.4506	0.5002	0.6516	0.5107	0.4338	36.51	60.74	35.77	10- 20	3.625	4.066	0.70
30	0.4394	0.6060	0.9304	0.6298	0.4338	58.86	96.75	57.40	20- 30	10.52	14.58	2.53
40	0.4227	0.7668	1.215	0.8062	0.4702	80.12	130.0	78.01	30- 40	20.48	35.07	6.08
50	0.4031	0.9027	1.475	0.9586	0.5740	98.77	159.0	96.07	40- 50	32.24	67.30	11.7
60	0.3807	1.020	1.714	1.094	0.7756	114.0	182.5	110.8	50- 60	44.24	111.5	19.3
70	0.3443	1.109	1.877	1.195	0.9909	125.2	200.4	121.6	60- 70	54.93	166.5	28.9
80	0.3051	1.158	1.957	1.243	1.047	131.9	211.5	128.1	70- 80	62.93	229.4	39.8
90	0.2771	1.163	1.952	1.246	0.9122	133.9	215.0	130.0	80- 90	67.10	296.5	51.4
100	0.2659	1.129	1.891	1.218	0.6996	131.5	211.2	127.6	90-100	66.96	363.5	63
110	0.2575	1.039	1.728	1.136	0.3216	124.2	199.6	120.5	100-110	62.52	426.0	73.8
120	0.2491	0.9067	1.532	1.016	0.2099	112.5	181.2	109.1	110-120	54.17	480.2	83.2
130	0.2407	0.7591	1.289	0.8811	0.2099	96.75	156.6	93.82	120-130	42.83	523.0	90.6
140	0.2323	0.6151	1.021	0.7394	0.2099	75.39	127.0	72.82	130-140	30.23	553.2	95.9
150	0.2211	0.4804	0.7690	0.6097	0.2099	32.67	86.62	29.17	140-150	17.53	570.7	98.9
160	0.2127	0.3656	0.5625	0.4960	0.2099	15.35	23.74	13.22	150-160	5.942	576.7	99.9
170	0	0	0	0	0	0	0	0	160-170	0.3027	577.0	100
180	0	0	0	0	0	0	0	0	170-180	0	577.0	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:13 December 2022

 γ Range: 0 - 160DEG

 γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

MODEL: 99LPL094/BL		
POWER: 9.4W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
5	0.45	0.44	0.44	0.45	0.44	0.46	0.43	0.46	0.44	0.46	0.42	0.46	0.44	0.45	0.44	0.45	0.44	0.45	0.45
10	0.45	0.43	0.44	0.45	0.44	0.47	0.44	0.49	0.47	0.51	0.45	0.49	0.45	0.47	0.44	0.45	0.44	0.45	0.44
15	0.45	0.43	0.43	0.46	0.44	0.50	0.48	0.54	0.52	0.57	0.50	0.55	0.49	0.50	0.44	0.46	0.44	0.45	0.43
20	0.45	0.42	0.43	0.48	0.46	0.54	0.53	0.60	0.60	0.65	0.58	0.62	0.55	0.55	0.47	0.49	0.44	0.45	0.43
25	0.44	0.41	0.43	0.49	0.50	0.59	0.61	0.72	0.72	0.78	0.70	0.73	0.64	0.61	0.51	0.51	0.44	0.45	0.43
30	0.44	0.41	0.43	0.52	0.54	0.67	0.72	0.85	0.87	0.93	0.84	0.88	0.75	0.70	0.56	0.54	0.44	0.45	0.43
35	0.43	0.41	0.44	0.54	0.60	0.77	0.81	0.97	1.00	1.08	0.97	1.00	0.86	0.80	0.63	0.57	0.46	0.45	0.45
40	0.42	0.41	0.46	0.59	0.68	0.86	0.92	1.09	1.13	1.21	1.10	1.12	0.97	0.89	0.72	0.63	0.48	0.45	0.47
45	0.41	0.41	0.47	0.65	0.74	0.94	1.01	1.21	1.26	1.35	1.22	1.25	1.08	0.98	0.79	0.69	0.50	0.46	0.51
50	0.40	0.41	0.49	0.69	0.80	1.01	1.10	1.33	1.39	1.48	1.34	1.37	1.18	1.07	0.85	0.73	0.52	0.46	0.57
55	0.39	0.41	0.52	0.72	0.84	1.09	1.20	1.43	1.51	1.60	1.45	1.48	1.27	1.16	0.91	0.78	0.56	0.46	0.66
60	0.38	0.41	0.53	0.75	0.89	1.16	1.28	1.54	1.62	1.71	1.55	1.57	1.36	1.22	0.97	0.82	0.59	0.46	0.78
65	0.37	0.41	0.55	0.78	0.93	1.21	1.35	1.63	1.70	1.81	1.63	1.66	1.43	1.29	1.02	0.85	0.61	0.46	0.89
70	0.34	0.41	0.56	0.79	0.96	1.26	1.41	1.69	1.77	1.88	1.70	1.72	1.49	1.34	1.05	0.88	0.62	0.46	0.99
75	0.33	0.40	0.56	0.80	0.99	1.30	1.45	1.74	1.82	1.93	1.75	1.77	1.53	1.38	1.08	0.89	0.63	0.46	1.06
80	0.31	0.40	0.56	0.80	1.01	1.31	1.48	1.76	1.85	1.96	1.77	1.79	1.56	1.39	1.10	0.89	0.64	0.46	1.05
85	0.29	0.39	0.56	0.80	1.02	1.31	1.49	1.76	1.87	1.96	1.79	1.80	1.57	1.39	1.11	0.89	0.64	0.46	1.01
90	0.28	0.38	0.56	0.80	1.02	1.31	1.49	1.75	1.87	1.95	1.79	1.79	1.57	1.38	1.11	0.89	0.64	0.46	0.91
95	0.27	0.38	0.56	0.79	1.02	1.30	1.49	1.73	1.87	1.93	1.79	1.77	1.57	1.37	1.11	0.88	0.65	0.46	0.82
100	0.27	0.37	0.56	0.77	1.00	1.26	1.46	1.69	1.83	1.89	1.75	1.72	1.55	1.34	1.10	0.87	0.65	0.46	0.70
105	0.26	0.36	0.54	0.74	0.96	1.21	1.41	1.63	1.76	1.82	1.70	1.67	1.49	1.30	1.07	0.84	0.64	0.45	0.53
110	0.26	0.35	0.52	0.71	0.92	1.16	1.34	1.55	1.68	1.73	1.62	1.59	1.44	1.24	1.03	0.82	0.63	0.45	0.32
115	0.25	0.34	0.50	0.67	0.87	1.09	1.27	1.46	1.59	1.64	1.53	1.51	1.36	1.18	0.98	0.78	0.61	0.44	0.23
120	0.25	0.32	0.47	0.63	0.81	1.01	1.18	1.37	1.49	1.53	1.43	1.41	1.27	1.11	0.93	0.75	0.59	0.43	0.21
125	0.24	0.31	0.44	0.58	0.75	0.92	1.08	1.25	1.37	1.41	1.33	1.30	1.18	1.03	0.87	0.71	0.57	0.42	0.21
130	0.24	0.29	0.42	0.53	0.68	0.84	0.98	1.14	1.25	1.29	1.21	1.19	1.09	0.95	0.81	0.67	0.55	0.41	0.21
135	0.24	0.28	0.39	0.49	0.62	0.75	0.88	1.01	1.12	1.16	1.10	1.08	0.98	0.86	0.75	0.62	0.52	0.40	0.21
140	0.23	0.27	0.36	0.45	0.56	0.67	0.78	0.90	0.99	1.02	0.98	0.96	0.89	0.79	0.69	0.59	0.50	0.40	0.21
145	0.23	0.26	0.33	0.40	0.50	0.59	0.69	0.78	0.87	0.89	0.86	0.85	0.79	0.71	0.64	0.54	0.47	0.39	0.21
150	0.22	0.24	0.31	0.36	0.45	0.52	0.60	0.68	0.76	0.77	0.75	0.74	0.71	0.64	0.58	0.51	0.45	0.38	0.21
155	0.22	0.23	0.30	0.32	0.39	0.45	0.52	0.58	0.65	0.66	0.65	0.64	0.63	0.57	0.53	0.47	0.43	0.37	0.21
160	0.21	0.22	0.27	0.30	0.34	0.39	0.44	0.50	0.55	0.56	0.55	0.57	0.54	0.52	0.47	0.45	0.40	0.37	0.21
165	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	0.00	0.00	0.00	0.00
170	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	0.00	0.00	0.00	0.00
175	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	0.00	0.00	0.00	0.00
180	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	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:13 December 2022

γ Range: 0 - 160DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

MODEL: 99LPL094/BL		
POWER: 9.4W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45		
5	0.70	2.13	4.10	5.58	7.46	8.42	10.06	10.5	11.1	9.96	10.01	8.57	7.49	5.68	4.19	2.23	0.73		
10	2.54	6.30	10.5	13.6	17.7	20.0	23.7	24.9	26.0	23.5	23.3	20.1	17.5	13.6	10.3	6.15	2.28		
15	4.83	10.6	17.2	22.4	29.1	33.0	39.0	41.2	42.8	38.7	38.4	33.0	28.6	22.1	16.8	10.2	4.24		
20	7.12	15.0	24.3	31.8	41.4	47.0	55.5	58.6	60.7	55.1	54.4	46.9	40.5	31.2	23.5	14.3	6.22		
25	9.36	19.4	31.6	41.6	54.0	61.3	72.2	76.2	78.9	71.6	70.8	61.1	52.7	40.6	30.5	18.4	8.14		
30	11.5	23.9	39.0	51.4	66.6	75.4	88.7	93.1	96.8	87.5	86.9	75.1	64.9	50.1	37.5	22.5	9.98		
35	13.6	28.4	46.4	61.0	78.9	88.7	104	110	114	103	102	88.3	76.8	59.4	44.5	26.6	11.7		
40	15.6	32.7	53.5	70.2	90.4	102	119	125	130	118	117	101	88.0	68.3	51.2	30.5	13.4		
45	17.5	36.9	60.2	78.9	101	114	133	140	145	132	131	113	98.5	76.6	57.5	34.2	14.9		
50	19.3	40.7	66.4	86.8	111	125	146	154	159	144	143	124	108	84.3	63.4	37.7	16.3		
55	20.8	44.2	72.1	94.0	120	135	158	166	171	156	155	134	117	91.3	68.7	40.9	17.6		
60	22.2	47.4	77.1	100	128	144	168	177	183	166	165	143	125	97.4	73.5	43.7	18.7		
65	23.4	50.0	81.4	106	135	151	177	186	192	175	173	150	131	103	77.5	46.1	19.6		
70	24.3	52.3	84.9	110	141	158	184	194	200	182	180	157	137	107	80.9	48.1	20.3		
75	25.0	54.0	87.7	114	145	163	190	200	207	188	186	162	141	110	83.5	49.6	20.8		
80	25.5	55.2	89.6	116	148	166	194	205	211	192	190	165	144	113	85.3	50.7	21.1		
85	25.7	55.9	90.7	118	150	168	197	207	214	195	192	167	146	114	86.3	51.3	21.2		
90	25.6	55.9	90.9	118	151	169	197	208	215	196	193	168	146	114	86.4	51.3	21.2		
95	25.4	55.5	90.4	118	150	168	197	207	214	195	192	167	145	114	85.9	50.9	20.9		
100	24.9	54.6	89.0	116	148	166	194	205	211	192	190	165	143	112	84.5	50.0	20.4		
105	24.1	53.0	86.8	113	144	162	190	200	206	188	185	161	140	110	82.4	48.6	19.8		
110	22.9	51.0	83.7	109	140	157	183	194	200	182	179	156	136	106	79.4	46.7	18.9		
115	19.3	48.5	79.8	105	134	151	176	185	191	174	172	150	130	101	75.8	44.4	16.0		
120	16.1	45.0	75.2	98.9	127	143	166	176	181	165	163	142	123	95.7	71.4	40.5	12.8		
125	13.4	36.3	70.0	92.3	118	134	156	165	170	155	152	133	115	89.3	66.3	31.0	10.51		
130	11.3	26.4	63.2	84.8	109	124	144	152	157	143	141	123	106	82.1	59.5	22.7	8.72		
135	9.41	21.7	48.9	76.5	98.9	112	131	139	142	130	128	111	95.9	73.9	44.7	18.7	7.20		
140	7.71	20.4	40.4	63.7	87.6	99.8	116	124	127	116	114	99.0	84.8	61.2	35.8	17.8	5.87		
145	6.18	14.9	23.9	44.5	69.1	85.7	101	108	110	101	98.8	84.9	64.2	41.8	22.3	14.1	4.69		
150	4.81	11.1	24.0	23.0	42.8	58.5	77.5	87.2	86.6	81.8	74.7	55.7	38.9	19.7	19.3	9.30	3.64		
155	3.55	8.24	14.2	23.5	20.5	31.5	43.2	50.1	53.0	46.4	40.4	25.5	17.7	20.5	12.2	6.91	2.67		
160	2.38	5.59	9.16	11.8	19.1	21.5	21.8	23.4	23.7	21.2	20.7	19.3	16.6	9.96	7.52	4.57	1.77		
165	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	0.00	0.00		
170	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	0.00	0.00		
175	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	0.00	0.00		
180	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	0.00	0.00		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:13 December 2022

γ Range: 0 - 160DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: