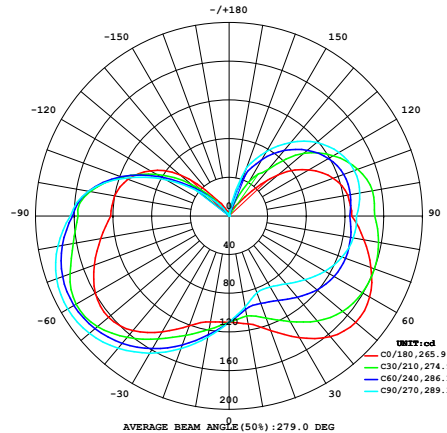


LAMP PHOTOMETRIC REPORT

MODEL: 95MALIA24LED/WH		
POWER: 24W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 1510.5 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	113.2	101.2	95.40	99.80	111.1	122.3	127.2	123.8	0- 10	10.58	10.58	0.70
20	126.0	104.3	84.48	100.4	120.9	137.2	145.9	140.1	10- 20	32.79	43.38	2.87
30	145.1	113.6	84.84	108.5	138.2	152.1	163.8	156.0	20- 30	58.59	102.0	6.75
40	162.7	126.4	91.77	120.7	154.8	165.7	178.5	170.5	30- 40	87.95	189.9	12.6
50	170.9	138.4	102.6	132.8	162.8	176.9	188.7	182.3	40- 50	117.9	307.8	20.4
60	167.9	146.8	114.5	141.4	159.7	184.2	192.6	189.9	50- 60	143.3	451.2	29.9
70	156.2	150.5	124.5	145.6	148.3	186.8	189.8	192.0	60- 70	159.9	611.1	40.5
80	141.6	149.7	130.5	145.5	134.7	181.6	179.7	186.1	70- 80	166.3	777.3	51.5
90	126.8	144.6	131.9	141.1	122.3	170.8	164.1	174.5	80- 90	164.0	941.3	62.3
100	124.6	143.9	137.1	141.2	120.2	158.0	147.9	160.7	90-100	157.4	1099	72.7
110	114.7	137.0	137.9	134.9	111.2	124.1	115.0	126.0	100-110	141.2	1240	82.1
120	95.63	122.3	131.4	121.0	93.73	84.17	75.10	85.02	110-120	112.6	1353	89.5
130	66.81	102.2	118.3	101.2	66.02	47.52	37.79	46.72	120-130	78.68	1431	94.8
140	25.93	80.14	99.53	79.88	28.02	11.89	13.69	10.41	130-140	45.45	1477	97.8
150	10.65	56.82	76.82	58.58	12.19	1.881	2.383	1.631	140-150	21.66	1498	99.2
160	3.643	21.78	53.52	23.96	5.038	2.032	1.205	1.493	150-160	9.716	1508	99.8
170	3.878	2.251	8.865	2.135	4.023	1.310	1.269	1.325	160-170	2.382	1510	100
180	0	0	0	0	0	0	0	0	170-180	0.0650	1510	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: 03 January 2023

γ Range: 0 - 170DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

MODEL: 95MALIA24LED/WH		
POWER: 24W	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	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
5	111	110	108	107	106	105	104	103	103	102	102	103	103	104	105	106	107	109	110
10	113	110	108	105	102	100	98.2	96.8	95.8	95.4	95.5	96.1	97.2	98.8	101	103	106	108	111
15	118	115	111	107	103	99.5	95.8	92.5	90.4	89.2	89.7	90.9	93.5	96.8	100	104	107	111	114
20	126	122	118	112	107	101	96.2	91.3	87.6	84.5	86.1	89.1	93.3	97.9	103	108	113	117	121
25	135	131	125	119	112	105	98.1	91.6	86.4	83.6	84.8	89.0	94.6	101	107	113	119	124	129
30	145	140	134	126	118	109	101	93.1	87.2	84.8	85.9	90.1	97.3	105	112	120	127	133	138
35	155	149	142	134	125	115	105	95.5	89.9	87.7	88.7	92.4	101	110	119	127	135	141	147
40	163	157	150	142	132	121	110	98.8	94.0	91.8	92.8	95.8	105	116	126	135	142	149	155
45	168	162	156	148	139	127	114	103	99.0	96.9	97.9	100	110	122	133	141	148	154	160
50	171	165	160	153	145	132	119	108	105	103	104	105	115	127	138	146	151	156	163
55	171	166	161	157	150	137	123	112	110	108	109	110	119	132	143	149	153	157	163
60	168	164	161	159	153	140	125	116	115	114	115	114	122	136	147	151	152	154	160
65	163	159	159	160	155	143	127	119	120	120	119	118	124	139	149	152	150	150	155
70	156	154	157	160	157	144	128	122	124	124	123	121	125	140	151	152	148	145	148
75	149	149	154	159	157	145	128	124	127	128	127	123	126	141	151	151	145	139	141
80	142	143	151	157	156	144	128	125	129	130	129	125	125	141	150	150	142	134	135
85	134	137	147	154	154	142	126	126	130	132	130	125	125	139	149	147	139	129	128
90	127	132	143	151	150	139	125	125	130	132	130	125	123	136	146	144	135	125	122
95	126	132	143	151	151	138	126	128	133	135	133	127	125	136	147	145	136	125	122
100	125	131	142	151	150	138	127	130	136	137	135	129	126	136	147	145	136	125	120
105	121	128	139	147	148	136	128	131	137	138	137	130	126	134	144	143	134	123	117
110	115	123	134	142	142	132	126	130	136	138	136	130	125	130	140	138	129	118	111
115	106	116	126	134	135	126	123	128	134	136	134	127	122	125	133	131	123	112	104
120	95.6	106	117	125	126	119	119	124	130	131	130	123	118	118	124	122	114	103	93.7
125	83.4	94.3	105	114	115	110	113	119	124	126	124	118	112	110	114	111	103	92.4	81.9
130	66.8	77.2	86.7	101	103	101	106	112	117	118	117	111	105	100	102	99.6	89.7	77.4	66.0
135	46.4	54.6	64.1	83.3	91.1	92.0	97.6	103	108	110	108	103	96.4	90.9	90.3	86.8	72.4	58.0	46.8
140	25.9	32.3	40.7	63.3	78.0	82.3	88.6	94.0	98.5	99.5	98.0	93.3	87.5	81.1	78.6	72.8	51.0	36.7	28.0
145	15.2	18.1	29.5	53.4	66.0	71.4	78.6	83.7	87.6	88.5	87.2	83.0	77.6	71.3	67.2	57.8	33.2	20.0	18.0
150	10.6	11.5	22.3	40.2	55.0	58.6	67.0	72.8	76.1	76.8	75.7	72.1	67.4	61.6	55.6	39.9	21.6	12.0	12.2
155	8.31	7.94	12.5	22.6	34.8	47.0	55.6	61.6	64.5	65.1	64.2	61.3	57.0	50.3	35.7	23.0	13.5	8.77	7.44
160	3.64	3.50	4.03	9.46	16.6	26.9	38.8	48.5	53.1	53.5	52.8	48.0	39.5	29.2	18.7	10.5	6.87	6.15	5.04
165	3.05	2.95	2.28	3.23	6.66	11.9	18.3	24.1	27.1	28.0	26.8	23.7	18.7	13.0	7.43	3.26	2.46	3.89	3.82
170	3.88	4.46	3.62	2.55	1.85	2.65	5.77	7.44	8.58	8.86	8.45	7.20	5.35	2.38	1.89	2.69	3.71	3.43	4.02
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:03 January 2023

γ Range: 0 - 170DEG

γ Interval: 2.5DEG

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

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

MODEL: 95MALIA24LED/WH		
POWER: 24W	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	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110		
5	111	113	114	115	116	117	118	118	118	118	118	118	117	116	115	114	112		
10	114	117	119	121	123	125	126	127	127	127	127	126	125	123	121	119	116		
15	118	121	125	128	131	133	135	136	136	137	136	135	133	131	128	124	121		
20	124	127	131	135	139	142	144	145	146	146	145	144	142	139	135	132	129		
25	133	136	139	143	147	150	153	154	155	155	154	153	150	146	143	141	138		
30	142	145	147	150	154	158	161	163	164	164	163	161	158	154	152	151	148		
35	151	154	155	157	161	166	168	171	172	172	170	169	165	162	161	160	158		
40	160	163	164	164	167	172	175	178	178	179	177	175	171	169	170	170	166		
45	166	170	171	171	172	177	180	183	184	185	183	181	177	177	178	177	173		
50	169	175	178	177	176	181	184	188	189	189	187	185	181	183	184	182	176		
55	169	176	182	183	179	184	186	190	191	192	190	188	185	189	188	184	177		
60	166	174	183	187	182	185	187	191	193	193	191	190	187	193	189	182	174		
65	161	170	180	190	183	185	187	191	192	193	190	190	188	195	186	177	169		
70	154	163	175	191	183	183	185	189	190	190	188	188	188	196	181	169	162		
75	147	155	169	189	182	180	181	185	186	186	184	185	187	194	174	162	154		
80	141	151	164	185	179	175	175	179	180	181	179	179	183	189	169	157	147		
85	138	148	160	179	174	169	169	172	172	173	172	173	178	183	164	154	143		
90	134	144	156	173	168	162	161	164	164	165	164	166	172	177	160	149	139		
95	131	143	155	170	165	157	156	158	158	160	158	161	168	173	159	147	136		
100	126	136	146	160	156	148	146	148	148	149	148	151	159	163	149	140	130		
105	118	126	133	143	142	135	132	134	133	135	134	138	144	146	136	130	122		
110	108	114	118	124	124	119	116	116	115	117	117	121	126	127	121	117	111		
115	97.6	101	102	105	103	101	97.2	96.8	95.2	97.2	98.0	102	105	106	104	103	99.6		
120	85.7	86.0	86.5	85.4	82.9	80.8	77.5	76.4	75.1	76.4	77.7	81.3	83.6	86.4	87.5	87.0	86.1		
125	71.2	69.7	69.3	68.0	63.6	60.3	57.2	56.1	55.2	56.0	57.0	60.3	63.5	68.0	69.5	70.0	70.1		
130	55.7	52.5	51.4	49.7	45.4	41.8	38.9	38.3	37.8	38.3	38.7	41.2	44.6	48.9	50.6	51.8	53.0		
135	39.0	35.5	33.2	31.1	27.2	24.8	23.8	24.2	24.2	24.3	23.6	24.1	25.8	29.6	31.5	33.9	35.5		
140	23.5	20.4	16.2	13.2	10.6	11.3	12.2	13.4	13.7	13.5	12.3	11.1	9.68	11.1	13.8	18.3	20.9		
145	13.7	10.5	6.03	1.89	2.40	3.88	5.10	6.15	6.43	6.26	5.27	4.05	2.52	1.52	3.81	8.72	12.4		
150	9.00	6.63	4.07	2.35	1.41	1.46	1.83	2.26	2.38	2.33	1.94	1.58	1.35	1.91	3.17	5.46	6.47		
155	5.35	5.13	3.67	2.53	1.60	1.24	1.20	1.20	1.21	1.22	1.23	1.25	1.32	1.86	2.79	4.31	5.89		
160	5.77	4.66	2.99	2.48	1.59	1.24	1.20	1.21	1.20	1.23	1.22	1.27	1.31	1.68	2.19	4.11	6.09		
165	5.07	2.73	1.36	1.32	1.29	1.28	1.24	1.26	1.23	1.26	1.25	1.30	1.30	1.33	1.37	1.85	3.86		
170	2.26	1.38	1.34	1.33	1.29	1.30	1.27	1.28	1.27	1.28	1.29	1.30	1.31	1.33	1.36	1.37	1.55		
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:03 January 2023

γ Range: 0 - 170DEG

γ Interval: 2.5DEG

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

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks: