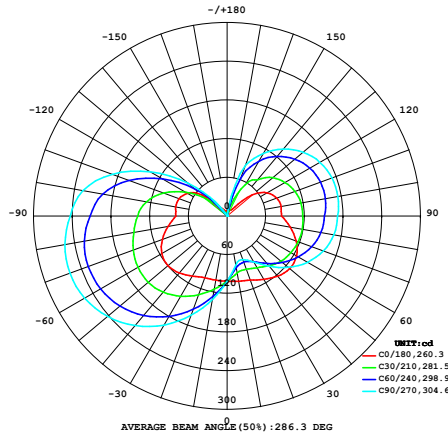


LAMP PHOTOMETRIC REPORT

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

TOTAL FLUX: 1553.2 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	103.0	85.23	77.87	84.02	101.1	121.4	131.1	122.8	0- 10	9.773	9.773	0.63
20	105.9	81.69	72.09	78.52	101.9	143.1	164.1	145.9	10- 20	30.43	40.20	2.59
30	113.6	85.89	82.58	82.07	108.0	163.0	195.3	166.9	20- 30	54.81	95.01	6.12
40	122.0	95.13	102.0	91.76	115.5	178.9	221.9	183.8	30- 40	82.95	178.0	11.5
50	127.0	105.8	124.2	103.2	119.9	189.8	242.2	195.6	40- 50	112.6	290.6	18.7
60	124.4	114.7	143.9	113.1	117.0	194.7	254.9	201.1	50- 60	139.2	429.8	27.7
70	114.1	122.2	158.9	121.7	106.9	193.7	259.5	200.4	60- 70	158.7	588.5	37.9
80	99.43	127.3	168.4	127.5	92.96	187.0	255.4	193.8	70- 80	169.2	757.7	48.8
90	84.67	128.9	171.5	129.5	79.49	176.0	243.3	182.2	80- 90	170.2	927.9	59.7
100	85.22	132.1	174.6	132.8	81.09	162.2	227.2	168.2	90-100	164.8	1093	70.4
110	82.13	131.7	173.1	132.3	79.39	132.7	189.9	137.1	100-110	149.7	1242	80
120	72.07	126.5	166.5	126.9	70.99	93.93	137.1	96.21	110-120	121.9	1364	87.8
130	50.93	116.4	154.2	116.6	51.60	52.35	79.86	52.36	120-130	87.96	1452	93.5
140	18.56	102.2	135.6	102.3	21.39	12.90	29.27	11.06	130-140	53.49	1506	96.9
150	11.15	80.05	112.0	84.38	11.98	3.259	2.358	2.973	140-150	28.47	1534	98.8
160	6.730	38.91	84.32	44.19	6.119	4.720	1.109	3.875	150-160	14.69	1549	99.7
170	2.686	2.910	16.42	3.811	5.941	1.278	1.171	1.223	160-170	4.192	1553	100
180	0	0	0	0	0	0	0	0	170-180	0.0962	1553	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	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
5	102	99.7	97.5	95.4	93.4	91.8	90.9	89.5	89.2	88.7	89.1	89.2	90.4	91.3	92.8	94.6	96.6	98.8	101
10	103	98.4	94.0	90.0	86.9	83.6	81.6	79.5	78.7	77.9	78.4	78.9	80.7	82.5	85.6	88.5	92.3	96.6	101
15	104	97.5	92.2	87.6	84.0	80.1	77.4	74.5	72.8	71.6	72.0	72.7	75.3	77.7	81.3	84.6	89.1	94.7	101
20	106	99.0	93.2	88.0	83.9	79.5	76.4	73.5	73.0	72.1	72.3	72.1	73.9	76.5	80.5	84.3	89.3	94.9	102
25	109	102	95.5	89.9	85.5	80.8	77.9	76.5	76.7	76.0	76.1	75.3	75.7	77.5	81.6	85.6	90.9	96.9	104
30	114	105	98.6	92.8	88.2	83.6	82.1	82.0	83.0	82.6	82.5	80.9	80.3	80.1	84.1	88.0	93.4	99.8	108
35	118	109	102	96.5	92.0	87.5	88.4	89.7	91.8	91.3	91.4	88.8	86.8	84.5	87.7	91.4	96.7	103	112
40	122	113	107	101	96.7	93.6	96.3	98.8	102	102	102	98.1	94.9	91.1	92.4	95.6	100	107	115
45	125	117	110	105	101	99.8	104	108	113	113	113	108	103	97.9	97.3	100	104	110	118
50	127	119	113	109	106	106	112	118	124	124	124	118	112	104	102	104	107	111	120
55	127	119	114	112	109	112	120	127	134	135	134	128	120	111	106	107	108	111	119
60	124	117	114	114	112	117	127	136	143	144	143	136	128	117	109	110	109	109	117
65	120	113	115	116	115	122	134	144	151	152	151	144	135	122	113	112	109	106	113
70	114	109	114	117	118	127	140	150	158	159	158	151	141	127	116	114	109	102	107
75	107	104	113	118	120	130	144	155	163	164	163	156	145	131	119	115	108	97.6	100
80	99.4	99.7	112	119	121	133	148	159	167	168	167	160	149	134	121	115	108	93.5	93.0
85	91.9	96.1	111	118	122	135	150	161	169	171	169	162	151	136	122	115	107	90.5	85.9
90	84.7	93.4	110	117	122	135	151	162	170	172	170	163	152	137	122	115	106	88.5	79.5
95	84.6	95.0	111	117	124	138	154	164	172	174	172	165	155	139	124	115	108	90.9	80.1
100	85.2	96.7	111	117	125	139	155	165	173	175	173	166	156	140	125	115	108	92.7	81.1
105	84.5	96.4	110	115	125	140	155	165	173	174	173	166	156	141	126	113	108	93.0	81.0
110	82.1	94.4	107	112	124	139	154	164	172	173	172	165	155	140	125	111	105	91.7	79.4
115	77.9	90.7	102	109	122	137	152	162	169	171	169	162	153	138	123	108	101	88.7	76.0
120	72.1	85.3	96.6	104	119	134	149	158	165	167	165	159	149	135	119	104	95.4	83.9	71.0
125	63.9	76.6	88.5	98.9	115	130	144	153	160	161	160	153	144	130	115	98.6	89.1	76.6	63.5
130	50.9	60.2	75.3	93.1	109	124	137	146	152	154	153	146	138	124	109	92.9	81.1	64.2	51.6
135	33.8	40.1	59.0	84.3	103	117	130	138	144	146	144	138	130	117	103	86.8	69.3	48.0	35.5
140	18.6	25.0	43.3	73.8	95.4	109	121	129	134	136	134	129	121	109	95.6	79.9	54.1	30.5	21.4
145	12.2	16.1	36.4	68.5	86.4	98.9	111	118	123	124	123	118	111	100	88.0	71.7	39.9	17.6	15.1
150	11.2	11.3	29.8	56.7	74.5	85.6	97.8	106	111	112	111	106	100	90.7	78.1	56.7	28.9	11.6	12.0
155	10.8	8.95	19.9	38.3	54.5	71.3	83.4	91.8	97.2	98.7	97.5	94.0	87.9	77.8	58.8	39.1	20.3	9.32	9.95
160	6.73	7.29	10.7	20.4	31.6	46.1	62.2	74.7	82.3	84.3	83.6	77.3	66.9	52.4	36.0	22.9	13.7	7.85	6.12
165	7.86	6.84	4.71	6.70	13.0	20.7	31.1	41.1	47.7	50.5	49.4	44.1	35.8	25.5	16.3	9.93	8.12	9.00	7.86
170	2.69	4.46	3.85	2.63	1.71	4.11	8.82	12.3	15.2	16.4	16.1	13.8	10.2	4.73	2.89	4.32	6.39	5.68	5.94
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	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101		
5	103	106	108	110	112	113	115	115	116	116	115	114	113	111	109	107	104		
10	106	111	115	120	123	127	129	131	131	131	130	128	125	121	117	112	108		
15	108	115	123	129	135	140	144	147	147	147	145	142	137	132	125	118	111		
20	111	121	130	139	147	154	159	163	164	164	161	156	150	142	133	124	115		
25	114	126	137	149	158	167	174	179	180	180	175	170	162	152	141	130	118		
30	117	130	144	157	169	180	188	194	195	195	189	183	172	161	148	135	123		
35	121	134	150	165	178	191	200	208	209	209	203	195	182	170	155	140	127		
40	125	137	154	171	186	201	212	220	222	221	214	205	191	177	160	143	131		
45	128	140	158	177	193	210	222	231	233	232	224	214	198	182	164	146	135		
50	130	142	160	181	199	217	230	240	242	241	233	222	204	187	166	148	137		
55	130	143	160	183	203	223	236	247	250	249	239	227	209	190	167	149	137		
60	128	142	160	183	206	226	241	252	255	254	244	231	212	190	166	149	135		
65	125	140	158	182	208	229	243	255	258	257	247	234	214	189	164	146	132		
70	120	136	155	180	208	229	244	256	259	258	248	235	214	187	162	143	127		
75	114	131	151	177	205	228	243	255	259	257	247	234	212	184	158	138	121		
80	108	126	147	172	202	225	240	252	255	254	244	230	208	179	153	132	115		
85	103	122	143	168	196	220	235	247	250	249	238	225	203	174	150	129	109		
90	99.0	118	138	163	189	212	228	240	243	242	231	218	195	169	144	124	105		
95	96.1	114	134	158	183	206	221	234	237	236	225	212	190	165	140	120	101		
100	91.5	109	127	150	174	196	212	224	227	226	215	202	180	156	132	114	96.3		
105	84.5	100	117	138	160	181	196	208	211	210	199	186	166	143	122	105	88.6		
110	76.6	89.7	105	123	143	162	176	187	190	189	179	165	147	127	108	93.2	79.6		
115	68.2	77.5	89.9	106	122	140	152	163	165	164	154	143	125	109	92.4	80.1	69.6		
120	58.8	64.1	73.8	87.4	100	115	126	135	137	137	128	118	103	89.6	75.6	65.7	58.4		
125	48.2	50.2	57.3	67.8	79.0	91.0	99.3	107	108	108	100	92.2	80.3	68.9	57.9	50.9	45.9		
130	37.1	36.4	40.7	47.9	56.8	66.3	73.0	78.8	79.9	78.9	73.1	66.4	56.8	47.9	40.3	36.1	33.8		
135	25.6	24.2	25.2	28.6	34.7	41.9	47.1	51.7	52.5	51.4	46.5	41.1	33.7	27.5	23.9	23.3	22.8		
140	16.4	15.3	13.1	11.6	14.2	19.4	23.9	28.1	29.3	28.0	23.4	18.1	12.5	9.63	11.6	14.3	15.0		
145	11.1	9.82	7.30	3.90	1.30	4.18	7.95	11.1	12.0	11.1	7.95	4.12	1.27	2.42	5.75	8.99	10.6		
150	9.57	7.54	5.99	4.17	2.35	1.40	1.28	2.05	2.36	4.62	1.26	1.35	2.13	3.82	5.28	4.86	7.59		
155	7.87	7.00	5.98	5.05	3.75	2.55	1.68	1.13	1.13	2.87	1.14	2.16	3.24	4.44	5.37	6.39	7.06		
160	9.56	8.27	6.09	5.20	4.24	3.28	1.99	1.12	1.11	1.12	1.23	2.34	3.41	4.34	5.25	7.08	10.3		
165	7.05	3.49	3.32	3.92	3.33	1.43	1.16	0.67	1.13	1.16	1.13	1.17	2.26	2.89	3.32	3.70	5.87		
170	3.35	2.19	1.53	1.34	1.22	1.21	1.18	0.22	1.17	1.18	1.18	1.20	1.21	1.23	1.34	1.61	1.63		
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: