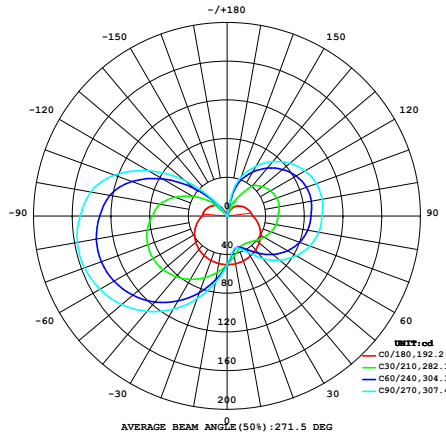


LAMP PHOTOMETRIC REPORT

MODEL: 95MALIA12LED/WH		
POWER: 12W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 833.45 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	50.27	39.55	36.40	39.47	50.04	63.35	69.67	63.50	0- 10	4.861	4.861	0.58
20	49.49	34.26	35.52	34.32	49.05	76.90	91.02	77.35	10- 20	15.21	20.08	2.41
30	48.06	36.32	43.60	36.69	47.45	89.90	111.3	90.67	20- 30	27.55	47.63	5.71
40	46.03	42.60	57.48	43.28	45.26	101.0	128.8	102.0	30- 40	42.01	89.64	10.8
50	43.32	51.16	71.17	52.12	42.44	109.3	142.5	110.5	40- 50	57.60	147.2	17.7
60	39.94	59.50	82.51	60.65	38.99	114.4	151.8	115.7	50- 60	72.26	219.5	26.3
70	35.95	66.07	90.94	67.38	34.97	115.9	156.9	117.4	60- 70	84.08	303.6	36.4
80	31.46	70.30	96.23	71.73	30.49	113.7	157.4	115.2	70- 80	91.46	395.0	47.4
90	26.60	71.75	98.16	73.24	25.74	107.4	151.8	109.0	80- 90	93.15	488.2	58.6
100	24.70	73.76	99.89	75.22	24.77	99.62	143.4	101.3	90-100	90.41	578.6	69.4
110	22.15	73.07	98.37	74.46	22.78	82.85	123.9	84.05	100-110	82.42	661.0	79.3
120	19.30	69.25	93.43	70.53	20.21	59.46	94.00	60.06	110-120	67.33	728.4	87.4
130	16.12	62.95	85.02	64.11	17.25	34.07	57.42	34.00	120-130	48.78	777.1	93.2
140	13.01	54.51	73.53	55.51	14.13	13.41	18.44	12.67	130-140	30.58	807.7	96.9
150	6.568	40.96	59.38	44.72	6.570	1.935	0.5358	1.741	140-150	16.01	823.7	98.8
160	1.101	27.94	43.13	28.98	2.254	0.5577	0.5275	0.5506	150-160	7.412	831.1	99.7
170	0.8055	1.230	10.03	1.210	0.8081	0.5661	0.5582	0.5770	160-170	2.268	833.4	100
180	0	0	0	0	0	0	0	0	170-180	0.0447	833.5	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:04 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: 95MALIA12LED/WH		
POWER: 12W	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	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
5	50.4	48.9	47.5	46.2	45.0	44.0	43.2	42.6	42.3	42.2	42.2	42.6	43.1	43.9	44.9	46.1	47.4	48.8	50.3
10	50.3	47.3	44.5	42.1	40.3	38.8	37.8	37.0	36.5	36.4	36.5	37.0	37.7	38.8	40.2	42.0	44.4	47.1	50.0
15	50.0	45.6	41.8	38.9	36.7	35.0	34.4	34.2	34.2	34.2	34.2	34.2	34.4	35.0	36.6	38.8	41.6	45.3	49.6
20	49.5	43.9	39.5	36.2	34.4	34.1	34.4	35.0	35.4	35.5	35.4	35.0	34.6	34.2	34.4	36.0	39.3	43.5	49.1
25	48.9	42.3	37.4	34.3	34.2	35.1	36.4	37.6	38.5	38.8	38.6	37.7	36.6	35.3	34.4	34.4	37.2	41.9	48.3
30	48.1	40.8	35.4	34.0	35.3	37.4	39.8	41.8	43.2	43.6	43.3	42.0	40.1	37.7	35.6	34.3	35.2	40.3	47.4
35	47.1	39.2	34.1	34.6	37.3	40.8	44.5	47.4	49.3	50.0	49.4	47.6	44.9	41.3	37.8	35.1	34.3	38.7	46.4
40	46.0	37.5	33.7	35.7	40.1	45.1	50.2	54.0	56.6	57.5	56.8	54.3	50.6	45.8	40.8	36.5	34.1	37.0	45.3
45	44.8	35.8	33.6	37.4	43.4	50.1	56.1	60.7	63.6	64.6	63.8	61.0	56.7	50.9	44.3	38.3	34.4	35.3	43.9
50	43.3	34.0	33.9	39.4	47.2	55.1	61.9	66.9	70.1	71.2	70.4	67.4	62.6	56.0	48.2	40.5	34.9	33.7	42.4
55	41.7	32.5	34.5	41.6	51.1	59.9	67.3	72.7	76.1	77.2	76.3	73.2	68.1	60.9	52.2	43.0	35.7	32.8	40.8
60	39.9	31.5	35.2	44.0	54.7	64.3	72.2	77.8	81.4	82.5	81.6	78.4	73.0	65.3	56.0	45.5	36.6	32.1	39.0
65	38.0	30.7	36.0	46.3	58.0	68.1	76.4	82.3	85.9	87.1	86.2	82.9	77.3	69.2	59.4	47.9	37.6	31.6	37.0
70	36.0	30.0	36.7	48.5	60.8	71.3	79.9	86.0	89.7	90.9	90.1	86.7	80.9	72.5	62.2	50.2	38.5	31.1	35.0
75	33.8	29.3	37.4	50.2	63.0	73.9	82.8	89.0	92.8	94.0	93.1	89.7	83.8	75.2	64.6	52.0	39.2	30.6	32.8
80	31.5	28.6	37.9	51.5	64.7	75.9	84.9	91.3	95.0	96.2	95.4	92.0	86.0	77.2	66.3	53.4	39.8	30.1	30.5
85	29.0	27.9	38.1	52.3	65.6	77.0	86.2	92.6	96.5	97.7	96.8	93.3	87.2	78.4	67.3	54.2	40.1	29.5	28.1
90	26.6	27.2	38.1	52.6	66.0	77.5	86.7	93.2	97.0	98.2	97.3	93.9	87.8	78.8	67.7	54.5	40.2	28.9	25.7
95	25.6	27.9	39.4	53.9	67.3	78.7	87.9	94.3	97.9	99.4	98.3	95.0	88.9	80.1	69.0	55.8	41.5	29.6	25.2
100	24.7	28.6	40.5	54.9	68.1	79.4	88.4	94.8	98.4	99.9	98.8	95.4	89.5	80.7	69.8	56.8	42.5	30.3	24.8
105	23.4	28.6	40.9	55.2	68.3	79.4	88.4	94.6	98.2	99.6	98.5	95.2	89.4	80.7	69.9	57.0	42.9	30.3	23.8
110	22.1	28.3	40.6	54.7	67.6	78.5	87.3	93.5	97.2	98.4	97.4	94.1	88.3	79.8	69.2	56.5	42.6	29.9	22.8
115	20.8	27.8	40.0	53.7	66.2	76.8	85.4	91.5	95.2	96.3	95.4	92.1	86.3	78.0	67.7	55.4	41.9	29.4	21.6
120	19.3	26.9	39.0	52.1	64.1	74.4	82.7	88.6	92.2	93.4	92.5	89.2	83.6	75.5	65.6	53.8	40.8	28.5	20.2
125	17.7	25.9	37.6	50.1	61.5	71.3	79.2	84.9	88.4	89.6	88.7	85.5	80.0	72.3	62.9	51.7	39.3	27.4	18.8
130	16.1	24.6	35.9	47.6	58.3	67.5	75.0	80.5	83.9	85.0	84.1	81.0	75.8	68.6	59.6	49.1	37.5	26.1	17.2
135	14.6	22.8	33.0	44.8	54.7	63.2	70.2	75.3	78.5	79.6	78.8	75.9	71.0	64.2	55.9	46.1	35.4	24.3	15.7
140	13.0	19.5	26.1	40.1	50.6	58.4	64.8	69.5	72.5	73.5	72.7	70.0	65.5	59.3	51.7	42.8	32.0	21.2	14.1
145	10.3	15.1	17.2	30.8	44.2	53.1	58.9	63.2	65.8	66.7	66.0	63.6	59.5	53.9	47.0	38.3	25.2	16.9	10.9
150	6.57	9.32	10.02	21.8	35.9	46.0	52.4	56.2	58.6	59.4	58.7	56.6	53.0	48.0	41.4	31.5	16.3	11.3	6.57
155	2.55	3.15	3.52	15.4	29.4	39.2	45.5	48.8	50.8	51.5	50.9	49.1	46.0	41.7	34.4	22.3	6.90	5.44	3.12
160	1.10	0.73	0.81	9.37	23.0	32.9	38.2	40.9	42.6	43.1	42.7	41.1	38.5	33.6	24.4	10.3	1.31	1.52	2.25
165	1.02	1.09	0.70	1.62	8.85	17.9	25.1	29.9	32.0	32.7	32.0	29.9	25.0	17.7	8.64	1.54	0.75	1.27	1.55
170	0.81	2.35	1.28	0.80	0.76	1.70	4.56	7.39	9.39	10.0	9.30	7.25	4.40	1.63	0.79	0.81	1.29	2.12	0.81
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: MEDIUM

Temperature:25.3°C

Operators:

Test Date:04 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: 95MALIA12LED/WH		
POWER: 12W	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	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4		
5	51.9	53.4	54.8	56.2	57.3	58.3	59.0	59.5	59.7	59.5	59.1	58.4	57.4	56.2	54.9	53.5	52.0		
10	53.1	56.2	59.2	62.1	64.6	66.7	68.3	69.3	69.7	69.4	68.4	66.8	64.7	62.3	59.4	56.4	53.3		
15	54.2	58.9	63.6	68.1	72.1	75.5	78.1	79.7	80.3	79.8	78.2	75.7	72.4	68.4	64.0	59.3	54.5		
20	55.1	61.5	67.9	74.1	79.7	84.4	88.0	90.2	91.0	90.4	88.2	84.8	80.1	74.6	68.4	61.9	55.5		
25	55.8	63.8	72.0	80.0	87.2	93.2	97.7	101	101	101	98.0	93.7	87.7	80.6	72.7	64.4	56.3		
30	56.2	65.8	75.7	85.5	94.3	102	107	110	111	110	107	102	94.9	86.4	76.6	66.6	56.8		
35	56.3	67.4	79.1	90.7	101	109	115	119	120	119	116	110	102	91.7	80.3	68.4	57.1		
40	56.1	68.7	82.1	95.2	107	116	123	127	129	128	123	117	108	96.4	83.5	69.9	57.0		
45	55.6	69.6	84.6	99.2	112	122	130	135	136	135	130	123	113	100	86.1	71.0	56.7		
50	54.8	70.0	86.4	102	116	127	136	141	142	141	136	128	117	104	88.1	71.6	56.1		
55	53.7	69.9	87.7	105	120	132	140	146	148	146	141	133	121	106	89.5	71.7	55.1		
60	52.3	69.4	88.3	107	122	135	144	150	152	150	145	136	123	108	90.2	71.4	53.9		
65	50.6	68.5	88.3	107	124	137	147	153	155	153	147	138	125	109	90.3	70.5	52.3		
70	48.7	67.0	87.6	107	124	138	148	155	157	155	149	139	126	109	89.7	69.2	50.5		
75	46.4	65.0	86.1	106	124	138	149	155	158	156	149	140	125	108	88.3	67.3	48.3		
80	43.9	62.5	83.9	105	123	137	148	155	157	155	149	138	124	106	86.2	64.9	45.9		
85	41.1	59.6	80.9	102	120	135	146	153	155	153	146	136	121	104	83.2	62.0	43.1		
90	38.2	56.2	77.3	98.3	117	132	142	149	152	150	143	133	118	100	79.6	58.6	40.1		
95	36.7	54.0	74.6	95.3	113	128	139	146	148	146	140	129	115	97.2	76.9	56.3	38.5		
100	34.7	50.9	70.5	90.7	109	123	134	141	143	141	135	124	110	92.6	72.8	53.2	36.4		
105	31.8	46.5	64.6	83.8	101	115	126	133	135	133	127	116	102	85.4	66.6	48.4	33.3		
110	28.5	41.3	57.3	74.8	90.9	105	115	122	124	122	115	105	91.9	76.2	59.0	42.9	29.8		
115	25.1	35.7	49.2	64.5	79.0	91.6	101	108	110	108	102	92.2	79.8	65.5	50.4	36.9	26.0		
120	21.5	29.9	40.7	53.2	65.7	76.9	85.8	92.0	94.0	92.2	86.1	77.3	66.2	53.9	41.5	30.7	22.1		
125	18.0	24.2	32.2	41.7	51.5	60.9	68.9	74.5	76.3	74.6	69.2	61.2	51.8	42.0	32.6	24.6	18.3		
130	14.6	18.8	24.3	30.7	37.4	44.5	51.2	56.0	57.4	56.0	51.3	44.6	37.4	30.6	24.3	18.9	14.7		
135	11.7	14.1	17.2	20.9	24.5	28.7	33.2	36.8	37.8	36.7	33.1	28.5	24.0	20.5	17.0	13.9	11.5		
140	9.45	9.79	11.3	12.8	14.0	15.4	16.7	18.0	18.4	17.8	16.1	14.7	13.2	12.2	10.7	9.34	8.55		
145	7.59	6.08	6.41	6.62	6.23	5.91	5.50	3.83	1.81	2.94	4.63	5.07	5.38	5.87	5.64	5.46	5.86		
150	5.27	3.27	2.83	2.04	1.83	0.55	0.72	0.53	0.54	0.52	0.63	0.52	1.43	2.05	2.27	2.47	3.44		
155	2.71	1.53	0.91	0.73	0.56	0.53	0.53	0.53	0.53	0.52	0.52	0.51	0.53	0.73	0.81	0.80	1.96		
160	0.96	0.77	0.59	0.57	0.55	0.55	0.53	0.53	0.53	0.53	0.52	0.54	0.53	0.57	0.57	0.60	0.71		
165	0.64	0.60	0.58	0.57	0.55	0.56	0.54	0.56	0.54	0.55	0.53	0.56	0.54	0.58	0.57	0.61	0.63		
170	0.61	0.60	0.58	0.58	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.58	0.59	0.61	0.63		
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: MEDIUM

Temperature:25.3°C

Operators:

Test Date:04 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: