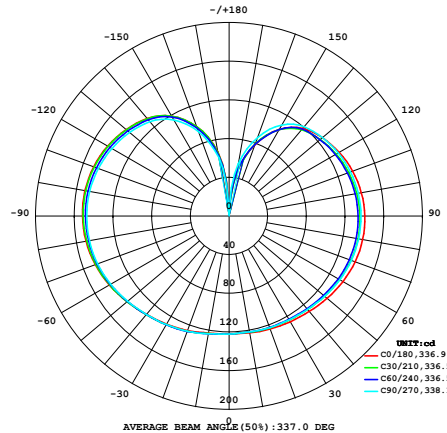


LAMP PHOTOMETRIC REPORT

MODEL: 99LED839W		
POWER: 12W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 1668.3 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	122.6	121.8	121.6	122.2	123.0	123.5	123.6	123.4	0- 10	11.68	11.68	0.70
20	124.5	122.8	123.0	124.6	126.1	126.9	126.9	126.1	10- 20	35.16	46.83	2.81
30	126.4	123.8	124.1	126.8	129.1	129.8	129.7	128.9	20- 30	58.43	105.3	6.31
40	129.0	125.5	126.2	130.0	132.9	133.2	133.0	132.3	30- 40	80.89	186.2	11.2
50	132.5	128.1	129.0	134.2	137.8	137.7	137.2	136.6	40- 50	102.4	288.6	17.3
60	135.9	130.7	132.1	138.6	142.9	142.2	141.4	140.8	50- 60	122.2	410.7	24.6
70	138.7	132.8	134.5	142.3	147.3	146.0	144.7	144.1	60- 70	138.8	549.5	32.9
80	140.3	134.0	136.0	144.9	150.3	148.6	146.7	146.0	70- 80	150.7	700.1	42
90	140.3	133.9	136.4	146.1	151.7	149.7	147.2	146.1	80- 90	156.8	857.0	51.4
100	138.9	132.8	135.7	145.7	151.4	149.4	146.4	144.7	90-100	156.7	1014	60.8
110	136.0	130.4	133.6	143.4	149.0	147.2	143.9	141.5	100-110	150.2	1164	69.8
120	131.7	127.1	130.4	139.6	144.9	143.4	139.9	136.9	110-120	137.8	1302	78
130	126.0	122.6	126.1	134.2	139.2	137.9	134.4	130.9	120-130	120.4	1422	85.2
140	118.6	116.6	120.6	127.3	131.8	130.9	127.5	123.2	130-140	99.34	1521	91.2
150	103.2	103.0	108.8	115.3	119.5	118.8	114.9	108.9	140-150	74.77	1596	95.7
160	78.70	78.78	86.41	94.32	98.44	97.79	93.13	86.45	150-160	47.08	1643	98.5
170	45.41	45.26	54.40	63.25	67.22	64.82	60.76	53.01	160-170	21.40	1665	99.8
180	1.611	1.629	1.650	1.660	1.624	1.641	1.658	1.658	170-180	3.581	1668	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:21 October 2022

γ Range: 0 - 180DEG
 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: 99LED839W		
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	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
5	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
10	123	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	123	123	123
15	124	123	123	123	122	122	122	122	122	122	122	123	123	123	123	124	124	124	124
20	124	124	124	123	123	123	123	123	123	123	123	124	124	124	125	125	126	126	126
25	125	125	124	124	123	123	123	123	123	123	124	124	125	125	126	126	127	127	128
30	126	126	125	124	124	124	124	124	124	124	125	125	126	127	127	128	128	129	129
35	127	126	126	125	125	124	124	124	124	125	126	126	127	128	129	129	130	130	131
40	129	128	127	126	126	125	125	125	126	126	127	128	129	130	130	131	132	132	133
45	131	130	129	128	127	127	126	126	127	128	128	129	131	132	133	133	134	135	135
50	132	131	130	129	128	128	128	128	128	129	130	131	132	134	135	136	137	137	138
55	134	133	132	130	130	129	129	129	130	131	132	133	134	136	137	138	139	140	140
60	136	134	133	132	131	130	130	130	131	132	133	135	136	138	139	140	141	142	143
65	137	136	134	133	132	132	131	132	132	133	135	136	138	140	141	143	144	144	145
70	139	137	135	134	133	133	132	133	133	135	136	138	140	141	143	144	146	146	147
75	140	138	136	135	134	133	133	133	134	135	137	139	141	143	145	146	147	148	149
80	140	138	137	135	134	134	133	134	135	136	138	140	142	144	146	147	148	149	150
85	140	139	137	136	134	134	134	134	135	136	138	140	143	145	147	148	149	150	151
90	140	139	137	135	134	134	133	134	135	136	138	141	143	145	147	149	150	151	152
95	140	138	136	135	134	133	133	134	135	136	138	141	143	145	147	149	150	151	152
100	139	137	136	134	133	132	132	133	134	136	138	140	142	145	147	148	150	150	151
105	138	136	134	133	132	131	131	132	133	135	137	139	141	144	146	148	149	150	150
110	136	134	133	132	131	130	130	131	132	134	136	138	140	142	144	146	147	148	149
115	134	133	131	130	129	129	129	129	131	132	134	136	139	141	143	144	145	146	147
120	132	130	129	128	127	127	127	128	129	130	132	134	137	139	140	142	143	144	145
125	129	128	127	126	125	125	125	126	127	128	130	132	134	136	138	140	141	141	142
130	126	125	124	123	123	123	123	124	125	126	128	130	132	133	135	136	137	138	139
135	123	122	121	120	120	120	120	121	122	124	125	127	129	130	132	133	134	135	136
140	119	118	117	117	116	117	117	118	119	121	122	124	125	127	128	129	130	131	132
145	112	112	111	111	111	111	112	113	115	116	117	119	120	122	123	124	125	126	127
150	103	103	103	103	103	103	103	105	107	109	110	112	113	115	116	117	118	119	119
155	92.0	92.1	92.2	92.3	92.1	92.0	91.8	94.3	96.5	99.0	101	102	104	105	107	108	108	109	110
160	78.7	78.8	79.0	79.2	78.8	78.8	78.9	80.6	83.8	86.4	88.9	90.6	91.7	93.6	95.0	96.3	97.0	97.7	98.4
165	63.2	63.1	62.7	63.0	62.9	63.4	64.0	65.6	68.6	71.9	74.3	76.6	78.2	79.9	81.2	82.6	83.3	84.1	84.8
170	45.4	45.1	44.5	44.7	44.8	45.7	46.6	48.2	50.8	54.4	56.7	59.3	61.0	62.7	63.8	65.2	65.7	66.5	67.2
175	17.9	17.6	17.3	17.8	18.1	19.5	21.5	24.3	27.0	29.3	30.9	33.1	34.4	36.0	37.0	38.2	38.6	39.4	37.2
180	1.61	1.61	1.62	1.62	1.63	1.63	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.65	1.62

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:21 October 2022

γ Range: 0 - 180DEG

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: 99LED839W		
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	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122		
5	123	123	123	123	123	123	123	123	123	123	123	122	122	122	122	122	122		
10	123	123	123	123	124	124	124	124	124	124	124	124	123	123	123	123	123		
15	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	124	124		
20	126	127	127	127	127	127	127	127	127	127	127	126	126	126	126	125	125		
25	128	128	128	128	128	128	128	128	128	128	128	128	127	127	127	126	126		
30	129	130	130	130	130	130	130	130	130	130	129	129	129	129	128	128	127		
35	131	131	132	132	132	131	131	131	131	131	131	131	131	130	130	129	128		
40	133	133	133	133	133	133	133	133	133	133	133	133	133	132	132	132	131	130	
45	136	136	136	135	135	135	135	135	135	135	135	135	135	134	134	133	132		
50	138	138	138	138	138	137	137	137	137	137	137	137	137	136	136	135	134		
55	141	141	140	140	140	140	139	139	139	139	139	139	139	139	138	137	136		
60	143	143	143	142	142	142	142	141	141	141	141	141	141	141	140	139	138		
65	145	145	145	144	144	144	143	143	143	143	143	143	143	142	142	141	139		
70	147	147	147	146	146	145	145	145	145	145	145	144	144	144	143	142	141		
75	149	149	148	148	147	147	146	146	146	146	146	146	146	145	144	143	142		
80	150	150	150	149	148	148	147	147	147	147	147	146	146	146	145	144	142		
85	151	151	150	150	149	148	148	147	147	147	147	147	147	146	145	144	142		
90	152	151	151	150	149	149	148	148	147	147	147	147	146	146	145	144	142		
95	152	152	151	150	149	149	148	147	147	147	147	146	146	145	144	143	142		
100	151	151	151	150	149	148	147	147	146	146	146	146	145	144	143	142	141		
105	151	150	150	149	148	147	147	146	145	145	145	144	144	143	142	141	140		
110	149	149	148	148	147	146	145	144	144	143	143	143	142	141	140	139	138		
115	147	147	147	146	145	144	143	143	142	142	141	140	140	139	138	137	136		
120	145	145	144	144	143	142	141	141	140	139	139	138	137	136	136	134	133		
125	142	142	142	141	140	140	139	138	137	137	136	135	134	134	133	132	131		
130	139	139	139	138	138	137	136	135	134	134	133	132	131	130	130	129	127		
135	136	136	135	135	134	134	133	132	131	130	130	129	128	127	126	125	124		
140	132	132	132	131	131	130	129	128	128	127	126	125	124	123	122	121	120		
145	127	127	127	126	126	125	124	123	122	121	120	119	118	117	116	115	114		
150	120	120	119	119	119	118	117	116	115	114	112	111	109	108	107	106	104		
155	110	110	110	110	109	108	107	106	105	104	102	101	99.2	98.0	96.6	94.4	92.8		
160	98.5	98.7	98.4	98.2	97.4	96.5	95.1	94.5	93.1	91.8	90.2	88.8	87.2	85.7	83.0	80.6	79.7		
165	84.9	85.1	84.7	84.0	83.2	82.2	80.7	79.7	78.3	77.2	75.5	74.1	72.3	70.0	66.9	64.3	62.9		
170	67.1	66.8	65.8	65.1	64.5	64.0	63.0	62.1	60.8	59.5	57.8	56.3	54.1	51.9	49.3	47.4	44.9		
175	37.6	38.1	37.7	37.6	36.8	36.4	35.1	34.3	32.5	31.4	29.7	28.6	27.0	26.2	24.8	22.8	20.3		
180	1.62	1.63	1.64	1.64	1.65	1.64	1.65	1.65	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.65	1.64		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:21 October 2022

γ Range: 0 - 180DEG

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: