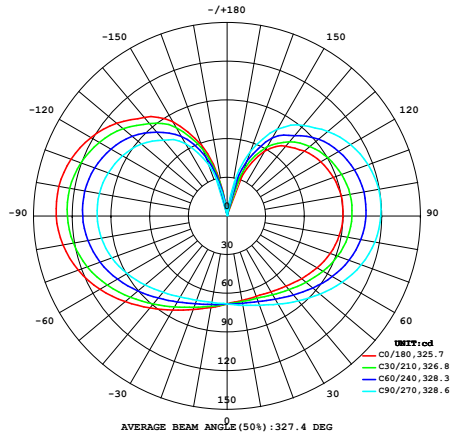


LAMP PHOTOMETRIC REPORT

MODEL: 99LED834W		
POWER: 9W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 1177.8 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	66.56	68.10	70.43	72.12	72.07	70.46	68.10	66.47	0- 10	6.569	6.569	0.56
20	66.30	69.28	73.72	77.13	77.26	73.99	69.49	66.32	10- 20	19.98	26.55	2.25
30	68.02	72.43	79.00	84.02	84.31	79.31	72.66	68.05	20- 30	34.15	60.70	5.15
40	71.15	77.15	85.96	92.70	93.09	86.17	77.24	71.22	30- 40	49.58	110.3	9.36
50	75.62	83.18	94.26	102.8	103.3	94.32	83.20	75.78	40- 50	66.18	176.5	15
60	80.60	89.75	103.0	113.2	113.8	102.8	89.58	80.91	50- 60	83.40	259.9	22.1
70	85.10	95.63	110.7	122.3	122.9	110.2	95.17	85.52	60- 70	99.50	359.4	30.5
80	88.31	99.85	116.3	128.9	129.3	115.4	98.99	88.72	70- 80	112.2	471.5	40
90	89.92	102.0	119.2	132.3	132.5	118.1	100.8	90.16	80- 90	119.6	591.2	50.2
100	89.89	102.1	119.4	132.5	132.5	118.1	100.7	89.96	90-100	120.9	712.1	60.5
110	87.73	99.51	116.4	129.0	128.8	115.1	98.09	87.69	100-110	115.8	827.9	70.3
120	84.16	94.92	110.6	122.3	121.9	109.5	93.64	84.08	110-120	104.6	932.5	79.2
130	78.38	88.12	102.2	112.5	112.0	101.0	86.91	78.31	120-130	88.91	1021	86.7
140	70.74	77.47	91.70	98.80	99.90	89.37	76.76	68.87	130-140	69.51	1091	92.6
150	57.89	64.91	77.69	83.31	84.50	75.27	64.79	57.48	140-150	49.18	1140	96.8
160	32.71	40.61	53.46	59.29	58.61	51.91	42.52	36.92	150-160	27.92	1168	99.2
170	6.717	9.426	16.61	20.14	19.51	15.34	11.05	8.513	160-170	9.270	1177	100
180	0.8968	0.9081	0.9126	0.9051	0.8941	0.9095	0.9154	0.9051	170-180	0.4900	1178	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:24 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: 99LED834W		
POWER: 9W	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	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
5	67.2	67.3	67.5	67.7	67.9	68.1	68.3	68.6	68.9	69.1	69.4	69.6	69.8	69.9	70.0	70.1	70.1	70.1	70.0
10	66.6	66.8	67.1	67.5	67.9	68.3	68.8	69.4	69.9	70.4	70.9	71.4	71.7	72.0	72.2	72.3	72.3	72.3	72.1
15	66.3	66.6	67.0	67.5	68.1	68.8	69.5	70.2	71.0	71.7	72.5	73.1	73.7	74.1	74.4	74.6	74.6	74.6	74.3
20	66.3	66.7	67.3	68.0	68.8	69.7	70.7	71.7	72.7	73.7	74.7	75.5	76.3	76.9	77.3	77.6	77.7	77.6	77.3
25	66.9	67.4	68.1	69.0	70.0	71.1	72.3	73.5	74.8	76.0	77.3	78.3	79.2	80.0	80.6	80.9	81.0	80.9	80.5
30	68.0	68.7	69.5	70.6	71.8	73.1	74.5	76.0	77.6	79.0	80.4	81.6	82.8	83.7	84.4	84.8	85.0	84.8	84.3
35	69.4	70.2	71.2	72.4	73.9	75.4	77.1	78.9	80.7	82.3	84.0	85.4	86.8	87.8	88.6	89.1	89.3	89.1	88.6
40	71.2	72.0	73.2	74.6	76.3	78.0	80.0	82.0	84.1	86.0	87.8	89.5	91.0	92.2	93.2	93.8	94.0	93.7	93.1
45	73.2	74.2	75.6	77.2	79.0	81.0	83.3	85.5	87.8	89.9	92.1	93.9	95.6	97.0	98.1	98.8	99.1	98.8	98.1
50	75.6	76.7	78.2	80.0	82.1	84.3	86.8	89.3	91.9	94.3	96.6	98.7	101	102	103	104	104	104	103
55	78.1	79.3	80.9	82.9	85.2	87.7	90.5	93.2	96.1	98.6	101	104	106	107	109	110	110	110	109
60	80.6	81.9	83.7	85.9	88.4	91.1	94.1	97.1	100	103	106	108	111	112	114	115	115	115	114
65	83.0	84.4	86.4	88.7	91.4	94.3	97.6	101	104	107	110	113	115	117	119	120	120	120	119
70	85.1	86.6	88.7	91.2	94.1	97.2	101	104	108	111	114	117	119	122	123	124	124	124	123
75	86.9	88.5	90.7	93.4	96.4	99.6	103	107	110	114	117	120	123	125	127	128	128	128	126
80	88.3	90.0	92.3	95.0	98.1	102	105	109	113	116	120	123	126	128	130	131	131	131	129
85	89.4	91.1	93.4	96.3	99.5	103	107	111	115	118	122	125	128	130	132	133	133	133	131
90	89.9	91.7	94.0	96.9	100	104	108	112	115	119	123	126	129	131	133	134	134	134	132
95	90.1	91.9	94.2	97.1	100	104	108	112	116	120	123	127	130	132	134	135	135	134	133
100	89.9	91.7	94.0	96.9	100	104	108	112	116	119	123	127	129	132	133	134	135	134	132
105	89.0	90.8	93.1	96.0	99.3	103	107	111	115	118	122	125	128	130	132	133	133	132	131
110	87.7	89.5	91.7	94.5	97.7	101	105	109	113	116	120	123	126	128	130	131	131	130	129
115	86.1	87.7	89.8	92.6	95.7	99.2	103	107	110	114	117	120	123	125	127	128	128	127	126
120	84.2	85.7	87.7	90.3	93.2	96.6	100	104	107	111	114	117	119	122	123	124	124	123	122
125	81.7	83.2	85.1	87.6	90.3	93.5	96.8	100	104	107	110	113	115	117	118	119	119	118	117
130	78.4	79.7	81.6	84.0	86.6	89.6	92.7	96.0	99.1	102	105	108	110	112	113	114	114	113	112
135	74.3	75.5	77.8	80.0	81.8	84.6	87.5	90.7	93.7	96.7	99.2	102	104	106	107	107	107	107	106
140	70.7	73.0	74.6	75.1	76.1	78.8	81.5	84.9	87.7	91.7	93.5	95.1	96.9	98.4	99.2	99.7	99.6	101	99.9
145	65.9	67.3	68.6	68.7	70.5	72.9	76.7	80.2	83.0	86.1	87.5	89.7	90.4	90.8	91.6	92.2	92.0	93.8	93.3
150	57.9	58.9	60.2	61.9	63.7	66.1	70.0	72.7	75.2	77.7	80.1	82.1	82.2	83.2	83.5	84.1	84.2	85.0	84.5
155	46.0	47.7	50.1	51.9	53.1	55.0	58.0	61.2	63.4	65.7	67.6	69.5	70.8	72.1	72.6	73.1	72.8	72.5	71.9
160	32.7	34.2	36.1	38.2	39.5	41.7	45.5	48.9	51.4	53.5	55.1	56.8	57.9	59.1	59.5	59.9	59.5	59.2	58.6
165	18.4	18.8	19.5	21.2	23.0	26.3	30.1	33.1	35.4	37.2	38.4	40.1	41.1	42.1	42.1	42.4	42.2	42.1	41.7
170	6.72	6.24	6.02	6.74	8.26	10.6	12.2	14.1	15.3	16.6	17.4	18.8	19.3	20.2	20.1	20.3	19.8	19.8	19.5
175	0.93	0.90	0.93	0.91	0.93	0.91	0.95	0.93	0.97	1.01	1.05	1.12	1.15	1.19	1.20	1.19	1.15	1.11	1.08
180	0.90	0.89	0.90	0.90	0.91	0.91	0.91	0.91	0.92	0.91	0.92	0.91	0.91	0.90	0.91	0.90	0.90	0.90	0.89

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:24 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: 99LED834W		
POWER: 9W	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	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2		
5	69.9	69.7	69.5	69.3	69.1	68.8	68.5	68.3	68.0	67.7	67.5	67.3	67.2	67.1	67.0	67.0	67.1		
10	71.8	71.5	71.2	70.7	70.2	69.7	69.2	68.6	68.1	67.6	67.2	66.8	66.6	66.4	66.3	66.3	66.4		
15	74.0	73.5	73.0	72.4	71.7	71.0	70.2	69.4	68.7	68.0	67.4	66.8	66.5	66.2	66.0	66.0	66.1		
20	76.8	76.1	75.4	74.5	73.5	72.5	71.5	70.5	69.5	68.6	67.7	67.0	66.5	66.1	65.9	65.9	66.0		
25	79.9	79.1	78.1	77.0	75.8	74.5	73.2	72.0	70.8	69.7	68.7	67.8	67.2	66.7	66.4	66.4	66.5		
30	83.6	82.6	81.4	80.0	78.6	77.0	75.5	74.0	72.7	71.3	70.1	69.1	68.4	67.7	67.5	67.4	67.5		
35	87.7	86.5	85.1	83.5	81.8	79.9	78.2	76.4	74.8	73.3	71.9	70.7	69.8	69.1	68.8	68.7	68.9		
40	92.1	90.7	89.1	87.1	85.2	83.1	81.1	79.1	77.2	75.5	74.0	72.6	71.6	70.8	70.4	70.3	70.5		
45	96.9	95.3	93.4	91.3	89.0	86.6	84.4	82.1	80.1	78.1	76.4	74.9	73.8	72.9	72.5	72.3	72.6		
50	102	100	98.1	95.6	93.1	90.4	87.9	85.5	83.2	81.0	79.2	77.5	76.3	75.3	74.8	74.6	74.8		
55	107	105	103	100.0	97.2	94.3	91.6	88.9	86.4	84.0	82.0	80.2	78.9	77.8	77.2	76.9	77.2		
60	112	110	107	104	101	98.1	95.2	92.3	89.6	87.0	84.9	83.0	81.5	80.3	79.7	79.4	79.7		
65	117	114	112	108	105	102	98.5	95.4	92.6	89.9	87.5	85.5	84.0	82.7	82.0	81.7	82.0		
70	121	118	115	112	108	105	101	98.2	95.2	92.3	89.9	87.8	86.2	84.9	84.1	83.8	84.1		
75	124	122	119	115	111	107	104	101	97.3	94.4	91.8	89.7	88.0	86.7	85.9	85.5	85.8		
80	127	124	121	117	114	110	106	102	99.0	96.0	93.3	91.1	89.4	88.0	87.3	86.9	87.2		
85	129	126	123	119	115	111	107	104	100	97.1	94.4	92.2	90.4	89.1	88.3	87.9	88.2		
90	130	127	124	120	116	112	108	104	101	97.7	94.9	92.6	90.8	89.5	88.7	88.4	88.8		
95	131	128	124	120	116	112	108	105	101	97.9	95.1	92.8	90.9	89.6	88.8	88.5	88.9		
100	130	127	124	120	116	112	108	104	101	97.6	94.8	92.4	90.6	89.3	88.6	88.3	88.7		
105	129	126	123	119	115	111	107	103	99.7	96.6	93.8	91.5	89.7	88.4	87.7	87.4	87.8		
110	127	124	121	117	113	109	105	102	98.1	95.1	92.4	90.1	88.3	87.1	86.3	86.1	86.5		
115	124	121	118	114	111	107	103	99.5	96.1	93.1	90.5	88.3	86.6	85.4	84.7	84.5	84.9		
120	120	117	114	111	108	104	100	96.9	93.6	90.8	88.3	86.3	84.6	83.5	82.9	82.7	83.1		
125	115	113	110	107	104	101	97.1	93.8	90.6	88.0	85.6	83.7	82.1	81.1	80.5	80.3	80.7		
130	110	108	105	103	99.5	96.2	92.9	89.9	86.9	84.4	82.1	80.3	78.8	77.8	77.2	77.1	77.5		
135	104	102	99.4	96.9	93.9	90.9	87.8	84.9	82.2	79.7	77.8	75.9	74.5	73.6	72.9	72.8	73.2		
140	97.5	95.4	93.6	91.2	87.6	84.9	81.9	79.2	76.8	75.4	74.0	71.0	69.6	68.2	67.6	67.7	68.6		
145	92.1	91.0	87.5	84.3	81.2	78.6	75.9	74.1	72.5	70.2	68.0	66.9	65.3	63.1	62.6	62.8	64.5		
150	82.7	81.5	79.1	76.6	73.9	71.5	69.1	67.1	64.8	62.8	60.9	59.5	58.0	57.0	56.6	57.0	57.5		
155	70.5	69.3	67.5	65.8	63.6	61.4	58.9	56.7	54.3	52.5	50.6	49.4	48.2	47.6	47.2	47.4	47.2		
160	57.4	56.3	54.7	53.0	50.8	48.8	46.5	44.6	42.5	41.0	39.3	38.2	37.1	36.7	36.3	36.2	34.6		
165	40.4	39.4	37.5	35.8	33.7	32.5	30.6	29.1	27.3	26.3	25.0	24.3	23.5	23.1	22.7	21.9	20.2		
170	18.5	17.8	16.6	15.9	14.8	14.3	13.1	12.2	11.0	10.3	9.43	9.12	8.58	8.45	8.23	8.25	7.80		
175	0.99	0.96	0.95	0.91	0.96	0.91	0.95	0.92	0.94	0.91	0.95	0.91	0.94	0.90	0.93	0.90	0.92		
180	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.89		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:24 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: