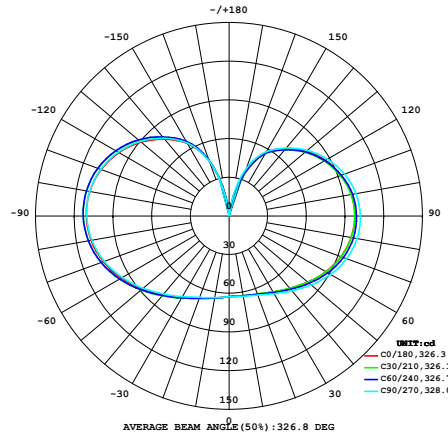


LAMP PHOTOMETRIC REPORT

MODEL: 99LED834WW		
POWER: 9W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 1097.2 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	62.99	62.83	63.31	64.06	64.61	64.81	64.37	63.52	0- 10	6.041	6.041	0.55
20	64.50	64.40	65.35	66.76	67.79	68.10	67.21	65.63	10- 20	18.43	24.47	2.23
30	68.16	68.20	69.69	71.63	73.14	73.60	72.28	69.81	20- 30	31.69	56.17	5.12
40	73.31	73.62	75.79	78.20	80.01	80.77	79.00	75.58	30- 40	46.45	102.6	9.35
50	79.83	80.44	83.20	86.11	88.21	89.38	87.19	82.71	40- 50	62.61	165.2	15.1
60	86.60	87.49	90.80	94.22	96.63	98.26	95.64	90.24	50- 60	79.55	244.8	22.3
70	92.38	93.42	97.05	101.0	103.8	105.9	103.0	96.79	60- 70	95.29	340.1	31
80	96.14	97.13	100.8	105.3	108.7	111.2	108.2	101.4	70- 80	107.5	447.5	40.8
90	97.49	98.12	101.8	106.7	110.8	113.5	110.5	103.3	80- 90	114.2	561.7	51.2
100	96.36	96.53	99.96	105.1	109.8	112.7	109.8	102.6	90-100	114.5	676.2	61.6
110	92.51	92.15	95.27	100.5	105.6	108.7	106.0	98.89	100-110	108.2	784.4	71.5
120	86.36	85.50	88.18	93.32	98.62	101.6	99.31	92.69	110-120	96.10	880.5	80.2
130	78.21	77.09	79.27	84.03	89.18	91.98	90.04	84.11	120-130	79.82	960.3	87.5
140	68.22	66.95	69.06	73.08	77.77	80.26	78.66	73.54	130-140	61.26	1022	93.1
150	56.86	55.56	57.58	61.12	65.09	67.09	65.75	61.64	140-150	42.62	1064	97
160	35.26	33.65	39.43	42.37	45.47	46.73	45.48	42.16	150-160	24.46	1089	99.2
170	8.663	7.018	10.96	12.80	13.69	14.53	13.59	11.93	160-170	8.125	1097	100
180	0.8106	0.8148	0.8220	0.8251	0.8134	0.8162	0.8220	0.8251	170-180	0.4180	1097	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:20 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: 99LED834WW		
POWER: 9W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

Table--1		UNIT: cd																	
C (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
γ (DEG)	0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
5	62.6	62.6	62.5	62.5	62.5	62.5	62.5	62.6	62.7	62.7	62.8	62.9	63.0	63.1	63.2	63.2	63.3	63.4	63.4
10	63.0	62.9	62.9	62.8	62.8	62.9	62.9	63.0	63.1	63.3	63.5	63.6	63.8	64.0	64.1	64.3	64.4	64.5	64.6
15	63.6	63.5	63.4	63.3	63.4	63.5	63.6	63.7	63.9	64.1	64.4	64.6	64.9	65.1	65.4	65.5	65.8	65.9	66.0
20	64.5	64.4	64.3	64.3	64.4	64.5	64.6	64.8	65.1	65.3	65.7	66.0	66.3	66.6	66.9	67.2	67.5	67.7	67.8
25	66.0	65.9	65.9	65.9	65.9	66.1	66.3	66.6	66.9	67.2	67.6	68.0	68.4	68.7	69.1	69.4	69.8	70.0	70.2
30	68.2	68.0	68.0	68.0	68.1	68.3	68.6	68.9	69.3	69.7	70.1	70.5	71.0	71.4	71.9	72.3	72.7	72.9	73.1
35	70.6	70.4	70.4	70.4	70.6	70.9	71.2	71.6	72.0	72.5	73.1	73.5	74.0	74.5	75.0	75.4	75.9	76.2	76.4
40	73.3	73.1	73.1	73.2	73.5	73.8	74.2	74.7	75.2	75.8	76.4	76.9	77.4	77.9	78.5	78.9	79.4	79.7	80.0
45	76.4	76.2	76.2	76.4	76.7	77.1	77.5	78.1	78.7	79.3	80.0	80.5	81.2	81.7	82.3	82.8	83.3	83.6	83.9
50	79.8	79.6	79.7	79.9	80.2	80.7	81.2	81.8	82.5	83.2	83.9	84.5	85.2	85.8	86.5	86.9	87.5	87.9	88.2
55	83.3	83.1	83.1	83.3	83.8	84.3	84.8	85.5	86.3	87.1	87.8	88.5	89.2	89.9	90.6	91.1	91.6	92.1	92.5
60	86.6	86.4	86.5	86.8	87.2	87.8	88.4	89.1	90.0	90.8	91.6	92.3	93.1	93.8	94.6	95.1	95.6	96.2	96.6
65	89.7	89.5	89.6	89.9	90.4	91.0	91.6	92.4	93.3	94.2	95.0	95.7	96.6	97.4	98.2	98.8	99.4	99.9	100
70	92.4	92.2	92.3	92.6	93.1	93.7	94.3	95.1	96.1	97.0	97.9	98.7	99.6	101	101	102	103	103	104
75	94.5	94.3	94.4	94.7	95.3	95.9	96.4	97.3	98.3	99.3	100	101	102	103	104	105	105	106	107
80	96.1	95.9	95.9	96.3	96.9	97.4	97.9	98.9	99.8	101	102	103	104	105	106	106	107	108	109
85	97.2	96.8	96.8	97.2	97.7	98.2	98.8	99.7	101	102	103	104	105	106	107	108	108	109	110
90	97.5	97.1	97.1	97.5	97.9	98.3	98.9	99.8	101	102	103	104	105	106	107	108	109	110	111
95	97.3	96.8	96.8	97.1	97.5	97.9	98.4	99.3	100	101	102	103	105	106	107	108	109	110	111
100	96.4	95.9	95.8	96.1	96.4	96.7	97.2	98.0	99.0	100.0	101	102	103	105	106	107	108	109	110
105	94.8	94.2	94.1	94.3	94.5	94.8	95.2	96.0	96.9	98.0	99.0	100	101	103	104	105	106	107	108
110	92.5	92.0	91.7	91.8	92.0	92.3	92.7	93.4	94.2	95.3	96.3	97.6	98.7	100.0	101	102	103	105	106
115	89.7	89.1	88.8	88.8	88.9	89.2	89.6	90.2	91.0	92.0	93.0	94.3	95.4	96.7	97.8	98.9	100	101	102
120	86.4	85.8	85.4	85.4	85.4	85.6	85.9	86.6	87.2	88.2	89.2	90.4	91.5	92.7	93.9	95.1	96.2	97.5	98.6
125	82.6	82.0	81.5	81.4	81.4	81.6	81.9	82.4	83.1	84.0	84.9	86.0	87.2	88.3	89.5	90.7	91.8	93.0	94.2
130	78.2	77.6	77.2	77.0	77.0	77.2	77.4	77.9	78.4	79.3	80.1	81.2	82.3	83.5	84.6	85.8	86.9	88.1	89.2
135	73.4	72.8	72.3	72.2	72.1	72.3	72.5	72.9	73.4	74.2	75.0	76.1	77.1	78.2	79.3	80.4	81.5	82.7	83.7
140	68.2	67.6	67.1	67.0	66.9	67.0	67.3	67.8	68.2	69.1	69.6	70.6	71.5	72.6	73.6	74.7	75.7	76.8	77.8
145	63.1	62.5	62.0	61.8	61.7	61.8	61.9	62.4	62.8	63.5	64.1	65.0	65.9	66.9	67.8	68.9	69.9	70.8	71.7
150	56.9	56.2	56.0	56.0	55.7	55.5	55.9	56.5	56.9	57.6	58.1	59.0	59.7	60.7	61.6	62.6	63.4	64.3	65.1
155	47.3	47.0	47.4	47.4	46.6	45.9	47.0	48.5	49.0	49.6	50.1	50.9	51.6	52.5	53.3	54.2	54.9	55.8	56.5
160	35.3	35.0	35.1	34.9	33.8	33.5	35.6	37.5	38.8	39.4	39.9	40.6	41.2	42.0	42.7	43.5	44.1	44.9	45.5
165	21.5	20.4	19.6	19.3	18.9	19.8	22.8	24.5	25.7	26.5	26.8	27.6	28.2	28.9	29.0	29.7	30.2	30.9	31.3
170	8.66	7.38	6.26	5.84	6.27	7.77	8.79	9.80	10.3	11.0	11.2	12.1	12.3	12.8	12.8	13.0	13.0	13.4	13.7
175	0.83	0.81	0.84	0.81	0.84	0.81	0.85	0.82	0.86	0.82	0.86	0.83	0.86	0.83	0.87	0.83	0.86	0.82	0.82
180	0.81	0.81	0.81	0.81	0.82	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.82	0.83	0.82	0.83	0.82	0.81

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:20 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: 99LED834WW		
POWER: 9W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

Table--2		UNIT: cd																	
C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (DEG)																			
0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7		
5	63.5	63.5	63.5	63.5	63.6	63.5	63.5	63.4	63.3	63.2	63.1	63.0	62.9	62.9	62.8	62.7	62.6		
10	64.7	64.8	64.8	64.8	64.8	64.7	64.7	64.5	64.4	64.2	64.0	63.8	63.6	63.4	63.3	63.2	63.1		
15	66.2	66.2	66.3	66.3	66.3	66.1	66.0	65.8	65.6	65.3	65.0	64.8	64.5	64.2	64.0	63.8	63.7		
20	68.0	68.1	68.1	68.1	68.1	67.9	67.8	67.5	67.2	66.9	66.5	66.1	65.8	65.5	65.1	64.9	64.7		
25	70.4	70.5	70.6	70.6	70.5	70.3	70.1	69.8	69.5	69.0	68.6	68.1	67.7	67.2	66.9	66.5	66.3		
30	73.4	73.5	73.6	73.6	73.6	73.3	73.1	72.7	72.3	71.7	71.2	70.6	70.1	69.5	69.1	68.7	68.4		
35	76.7	76.9	77.1	77.0	77.0	76.7	76.5	76.0	75.5	74.8	74.2	73.5	72.8	72.2	71.7	71.2	70.8		
40	80.4	80.6	80.8	80.8	80.8	80.5	80.1	79.6	79.0	78.2	77.5	76.7	75.9	75.2	74.6	74.0	73.6		
45	84.4	84.6	84.9	84.9	84.9	84.6	84.2	83.6	82.9	82.0	81.2	80.2	79.4	78.6	77.9	77.2	76.7		
50	88.7	89.0	89.3	89.4	89.4	89.0	88.7	88.0	87.2	86.2	85.2	84.1	83.2	82.2	81.4	80.7	80.2		
55	93.0	93.4	93.8	93.9	93.9	93.5	93.1	92.3	91.4	90.4	89.3	88.1	87.0	86.0	85.1	84.3	83.7		
60	97.2	97.7	98.1	98.2	98.3	97.9	97.5	96.6	95.6	94.5	93.3	92.0	90.8	89.7	88.6	87.7	87.0		
65	101	102	102	102	102	102	101	101	99.6	98.3	97.0	95.6	94.4	93.1	92.0	90.9	90.2		
70	105	105	106	106	106	106	105	104	103	102	100	98.9	97.5	96.1	94.9	93.8	92.9		
75	107	108	109	109	109	109	108	107	106	105	103	102	100	98.6	97.3	96.1	95.1		
80	109	110	111	111	111	111	110	109	108	107	105	104	102	101	99.1	97.8	96.8		
85	111	112	112	113	113	112	112	111	110	108	107	105	103	102	100	99.0	97.9		
90	112	112	113	113	114	113	113	112	111	109	108	106	104	103	101	99.5	98.3		
95	112	112	113	113	114	113	113	112	111	109	108	106	104	102	101	99.4	98.1		
100	111	112	112	113	113	112	112	111	110	108	107	105	103	102	100	98.6	97.3		
105	109	110	111	111	111	111	110	109	108	107	105	104	102	100	98.5	97.0	95.7		
110	107	108	108	109	109	108	108	107	106	105	103	102	99.7	98.0	96.3	94.9	93.5		
115	103	104	105	105	106	105	105	104	103	102	100	98.7	96.9	95.3	93.5	92.1	90.8		
120	99.6	101	101	102	102	101	101	100	99.3	98.2	96.7	95.2	93.5	91.9	90.2	88.8	87.4		
125	95.1	96.1	96.7	97.1	97.1	96.9	96.5	95.9	95.0	93.9	92.5	91.1	89.4	87.9	86.3	84.9	83.6		
130	90.1	91.0	91.6	92.0	92.0	91.9	91.4	90.9	90.0	89.1	87.7	86.4	84.8	83.4	81.8	80.5	79.3		
135	84.6	85.4	86.0	86.3	86.4	86.3	85.9	85.4	84.6	83.7	82.4	81.2	79.7	78.4	76.9	75.6	74.4		
140	78.6	79.4	79.9	80.2	80.3	80.2	79.8	79.4	78.7	77.8	76.7	75.5	74.2	72.9	71.5	70.3	69.2		
145	72.4	73.2	73.6	74.0	74.0	74.0	73.6	73.3	72.6	71.8	70.7	69.7	68.5	67.4	66.1	65.1	64.0		
150	65.7	66.4	66.8	67.1	67.1	67.1	66.8	66.4	65.8	65.1	64.1	63.3	62.1	61.1	60.0	59.0	58.0		
155	57.1	57.7	57.9	58.2	58.1	58.0	57.6	57.3	56.7	56.2	55.3	54.6	53.5	52.6	51.5	50.6	49.4		
160	45.9	46.4	46.5	46.8	46.7	46.6	46.2	46.0	45.5	45.1	44.2	43.5	42.5	41.8	40.8	40.0	38.0		
165	31.5	31.8	31.8	31.8	31.6	31.9	31.5	31.3	30.6	30.3	29.6	29.2	28.4	28.0	27.1	26.1	24.0		
170	13.7	14.1	14.1	14.5	14.6	14.8	14.5	14.4	13.6	13.3	12.7	12.6	12.0	11.8	11.3	11.0	10.2		
175	0.85	0.82	0.87	0.82	0.87	0.82	0.87	0.82	0.87	0.82	0.86	0.82	0.86	0.83	0.86	0.83	0.85		
180	0.81	0.81	0.82	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.82	0.82		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:20 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: