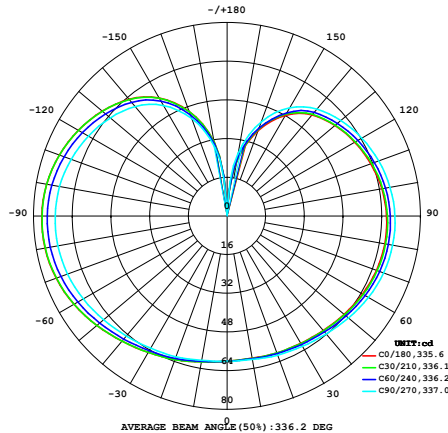


LAMP PHOTOMETRIC REPORT

MODEL: 99LED838WW		
POWER: 7.2W	VOLTAGE: 230V	WORKING VOLTAGE: 230V
MANUFACTURER: Elmark Industries JSC		

TOTAL FLUX: 813.76 lm



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	59.75	59.84	60.28	60.82	61.20	61.12	60.63	60.05	0- 10	5.753	5.753	0.71
20	60.28	60.41	61.25	62.41	63.17	63.05	61.97	60.78	10- 20	17.33	23.08	2.84
30	60.86	61.12	62.29	63.96	65.16	64.85	63.19	61.50	20- 30	28.82	51.90	6.38
40	61.81	62.27	63.73	65.96	67.63	67.14	64.81	62.57	30- 40	40.00	91.90	11.3
50	63.22	63.83	65.60	68.28	70.41	69.73	66.76	64.02	40- 50	50.72	142.6	17.5
60	64.63	65.36	67.46	70.58	73.11	72.26	68.69	65.47	50- 60	60.55	203.2	25
70	65.74	66.54	68.89	72.32	75.28	74.30	70.23	66.59	60- 70	68.76	271.9	33.4
80	66.25	67.08	69.55	73.29	76.48	75.50	71.09	67.18	70- 80	74.53	346.5	42.6
90	65.98	66.83	69.39	73.26	76.61	75.67	71.13	67.08	80- 90	77.28	423.7	52.1
100	65.00	65.90	68.48	72.37	75.77	74.85	70.37	66.31	90-100	76.79	500.5	61.5
110	63.27	64.19	66.76	70.56	73.85	72.96	68.67	64.71	100-110	73.06	573.6	70.5
120	61.03	61.82	64.41	68.05	71.03	70.20	66.24	62.54	110-120	66.45	640.0	78.7
130	58.23	58.93	61.51	64.85	67.48	66.69	63.15	59.73	120-130	57.60	697.6	85.7
140	54.68	55.41	57.82	60.88	63.05	62.31	59.20	56.15	130-140	47.05	744.7	91.5
150	48.04	49.00	51.70	54.76	56.38	55.69	52.83	50.02	140-150	35.12	779.8	95.8
160	37.48	38.59	41.46	44.41	46.07	45.40	42.97	40.22	150-160	22.11	801.9	98.5
170	22.66	23.33	26.23	29.57	31.04	30.60	28.59	25.26	160-170	10.14	812.1	99.8
180	0.7766	0.7847	0.7891	0.7937	0.7766	0.7875	0.7973	0.7937	170-180	1.707	813.8	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: 99LED838WW		
POWER: 7.2W	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	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
5	59.8	59.8	59.8	59.8	59.8	59.9	59.9	60.0	60.0	60.1	60.1	60.2	60.3	60.4	60.4	60.5	60.5	60.6	60.6
10	59.7	59.7	59.7	59.8	59.8	59.9	59.9	60.0	60.1	60.3	60.4	60.5	60.6	60.8	60.9	61.0	61.1	61.2	61.2
15	60.0	60.0	60.0	60.0	60.1	60.2	60.3	60.4	60.6	60.8	60.9	61.1	61.3	61.5	61.7	61.9	62.0	62.1	62.2
20	60.3	60.2	60.2	60.3	60.4	60.5	60.6	60.8	61.0	61.2	61.5	61.8	62.0	62.3	62.5	62.8	63.0	63.1	63.2
25	60.5	60.5	60.5	60.5	60.6	60.8	60.9	61.2	61.4	61.7	62.0	62.3	62.7	63.0	63.3	63.6	63.8	64.0	64.1
30	60.9	60.8	60.8	60.9	61.0	61.2	61.4	61.7	61.9	62.3	62.6	63.0	63.4	63.8	64.1	64.5	64.8	65.0	65.2
35	61.2	61.2	61.3	61.4	61.5	61.7	61.9	62.2	62.6	63.0	63.3	63.8	64.2	64.7	65.1	65.6	65.9	66.2	66.4
40	61.8	61.8	61.9	62.0	62.2	62.4	62.6	63.0	63.3	63.7	64.2	64.7	65.2	65.7	66.2	66.7	67.1	67.4	67.6
45	62.5	62.5	62.6	62.7	62.9	63.2	63.4	63.8	64.2	64.6	65.1	65.7	66.2	66.8	67.4	67.9	68.4	68.8	69.0
50	63.2	63.3	63.4	63.5	63.7	64.0	64.3	64.6	65.1	65.6	66.2	66.7	67.3	68.0	68.6	69.2	69.7	70.1	70.4
55	63.9	64.0	64.1	64.3	64.5	64.8	65.1	65.5	66.0	66.6	67.1	67.8	68.4	69.1	69.8	70.5	71.1	71.5	71.8
60	64.6	64.7	64.8	65.0	65.2	65.5	65.9	66.4	66.9	67.5	68.1	68.7	69.4	70.2	71.0	71.7	72.3	72.8	73.1
65	65.3	65.3	65.4	65.6	65.8	66.2	66.6	67.1	67.6	68.3	68.9	69.6	70.3	71.1	71.9	72.7	73.4	73.9	74.3
70	65.7	65.8	65.9	66.1	66.4	66.7	67.1	67.6	68.2	68.9	69.6	70.3	71.1	71.9	72.7	73.6	74.3	74.9	75.3
75	66.1	66.1	66.2	66.4	66.7	67.1	67.5	68.1	68.7	69.3	70.0	70.8	71.6	72.5	73.4	74.2	75.0	75.6	76.0
80	66.3	66.3	66.4	66.6	66.9	67.3	67.7	68.3	68.9	69.6	70.3	71.1	71.9	72.8	73.8	74.6	75.4	76.1	76.5
85	66.2	66.2	66.3	66.6	66.9	67.2	67.7	68.2	68.9	69.6	70.3	71.2	72.0	72.9	73.9	74.8	75.6	76.3	76.7
90	66.0	66.0	66.1	66.3	66.6	67.0	67.5	68.0	68.7	69.4	70.2	71.0	71.9	72.8	73.7	74.6	75.5	76.2	76.6
95	65.6	65.6	65.7	66.0	66.3	66.7	67.1	67.7	68.3	69.0	69.8	70.6	71.5	72.5	73.4	74.3	75.1	75.9	76.4
100	65.0	65.0	65.1	65.4	65.7	66.1	66.6	67.1	67.7	68.5	69.3	70.1	71.0	71.9	72.8	73.7	74.5	75.2	75.8
105	64.2	64.2	64.3	64.6	64.9	65.3	65.8	66.3	67.0	67.7	68.5	69.3	70.2	71.1	72.0	72.9	73.7	74.4	74.9
110	63.3	63.3	63.4	63.7	64.0	64.4	64.8	65.4	66.0	66.8	67.5	68.4	69.2	70.1	71.0	71.9	72.6	73.3	73.8
115	62.2	62.2	62.3	62.5	62.9	63.3	63.7	64.3	64.9	65.7	66.4	67.2	68.1	69.0	69.8	70.6	71.3	72.0	72.5
120	61.0	61.0	61.1	61.3	61.6	62.0	62.5	63.1	63.7	64.4	65.2	66.0	66.8	67.6	68.5	69.2	69.9	70.5	71.0
125	59.7	59.7	59.7	60.0	60.2	60.7	61.1	61.7	62.3	63.0	63.8	64.6	65.3	66.2	66.9	67.7	68.3	68.9	69.4
130	58.2	58.2	58.3	58.5	58.7	59.1	59.6	60.2	60.8	61.5	62.2	63.0	63.7	64.5	65.2	65.9	66.5	67.1	67.5
135	56.6	56.5	56.6	56.8	57.1	57.5	57.9	58.5	59.1	59.8	60.4	61.2	61.9	62.6	63.3	64.0	64.5	65.0	65.4
140	54.7	54.7	54.7	55.0	55.2	55.6	56.0	56.6	57.1	57.8	58.5	59.2	59.9	60.6	61.2	61.8	62.3	62.7	63.0
145	51.9	52.0	52.1	52.3	52.5	52.9	53.3	53.9	54.5	55.2	55.8	56.5	57.2	57.9	58.5	59.1	59.5	59.9	60.1
150	48.0	48.3	48.5	48.8	48.9	49.1	49.3	50.1	51.0	51.7	52.3	53.0	53.6	54.5	55.1	55.4	55.8	56.2	56.4
155	43.3	43.6	43.8	44.1	44.2	44.3	44.3	45.2	46.1	47.2	47.9	48.6	49.2	49.9	50.4	50.8	51.1	51.5	51.7
160	37.5	37.6	38.0	38.4	38.5	38.7	38.7	39.2	40.5	41.5	42.5	43.2	43.5	44.1	44.7	45.2	45.5	45.8	46.1
165	30.5	30.7	30.8	31.3	31.4	31.8	32.0	32.5	33.3	34.8	35.6	36.5	37.0	37.5	38.0	38.6	38.9	39.3	39.5
170	22.7	22.7	22.7	23.0	23.1	23.5	23.8	24.3	24.9	26.2	27.2	28.1	28.8	29.4	29.7	30.3	30.5	30.8	31.0
175	9.93	9.97	9.92	10.2	10.2	10.7	11.3	12.4	13.4	14.2	14.5	15.2	15.5	16.1	16.3	16.8	16.9	17.3	16.2
180	0.78	0.78	0.78	0.78	0.79	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.79	0.79	0.79	0.78

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: 99LED838WW		
POWER: 7.2W	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	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1		
5	60.6	60.6	60.6	60.6	60.5	60.5	60.4	60.3	60.3	60.2	60.1	60.1	60.0	59.9	59.9	59.8	59.8		
10	61.2	61.2	61.2	61.1	61.1	61.0	60.9	60.7	60.6	60.5	60.3	60.2	60.1	60.0	59.9	59.8	59.8		
15	62.3	62.2	62.2	62.1	62.0	61.9	61.7	61.5	61.3	61.1	60.9	60.7	60.5	60.3	60.2	60.1	60.0		
20	63.2	63.3	63.2	63.1	63.0	62.8	62.5	62.3	62.0	61.7	61.4	61.1	60.9	60.7	60.5	60.4	60.3		
25	64.2	64.2	64.1	64.0	63.8	63.6	63.2	62.9	62.5	62.2	61.8	61.5	61.2	61.0	60.8	60.6	60.5		
30	65.3	65.2	65.2	65.0	64.7	64.4	64.0	63.6	63.2	62.8	62.4	62.0	61.6	61.4	61.2	61.0	60.9		
35	66.5	66.4	66.3	66.1	65.8	65.4	64.9	64.5	64.0	63.5	63.0	62.5	62.1	61.8	61.6	61.4	61.2		
40	67.8	67.7	67.6	67.3	66.9	66.5	66.0	65.4	64.8	64.2	63.7	63.2	62.7	62.4	62.1	61.9	61.8		
45	69.2	69.1	69.0	68.6	68.2	67.7	67.1	66.4	65.8	65.1	64.5	64.0	63.5	63.1	62.8	62.6	62.5		
50	70.6	70.5	70.4	70.0	69.5	68.9	68.2	67.5	66.8	66.0	65.4	64.7	64.2	63.8	63.5	63.3	63.2		
55	72.0	71.9	71.7	71.3	70.8	70.1	69.4	68.5	67.8	67.0	66.2	65.5	65.0	64.5	64.2	64.0	63.9		
60	73.3	73.2	73.0	72.6	72.0	71.3	70.5	69.6	68.7	67.8	67.0	66.3	65.7	65.2	64.9	64.7	64.6		
65	74.5	74.4	74.2	73.7	73.1	72.3	71.4	70.5	69.5	68.6	67.7	67.0	66.3	65.8	65.5	65.3	65.2		
70	75.5	75.4	75.1	74.6	74.0	73.2	72.2	71.2	70.2	69.3	68.3	67.5	66.9	66.3	65.9	65.7	65.6		
75	76.2	76.1	75.9	75.4	74.7	73.8	72.8	71.8	70.8	69.7	68.8	68.0	67.3	66.7	66.3	66.1	66.0		
80	76.7	76.6	76.4	75.9	75.1	74.3	73.2	72.2	71.1	70.0	69.1	68.2	67.5	66.9	66.5	66.2	66.1		
85	76.9	76.9	76.6	76.1	75.4	74.5	73.4	72.3	71.2	70.1	69.1	68.3	67.5	66.9	66.5	66.2	66.1		
90	76.8	76.8	76.6	76.0	75.3	74.4	73.3	72.2	71.1	70.1	69.0	68.1	67.4	66.8	66.3	66.1	65.9		
95	76.6	76.6	76.3	75.8	75.0	74.1	73.0	72.0	70.9	69.8	68.8	67.9	67.1	66.5	66.0	65.7	65.6		
100	76.0	76.0	75.7	75.2	74.5	73.6	72.5	71.5	70.4	69.3	68.3	67.4	66.6	66.0	65.5	65.2	65.0		
105	75.2	75.2	74.9	74.4	73.7	72.8	71.8	70.7	69.6	68.6	67.6	66.7	65.9	65.3	64.8	64.5	64.3		
110	74.1	74.1	73.8	73.3	72.6	71.8	70.7	69.7	68.7	67.6	66.6	65.8	65.0	64.4	63.9	63.6	63.4		
115	72.8	72.8	72.5	72.0	71.3	70.5	69.5	68.6	67.5	66.5	65.5	64.7	64.0	63.4	62.9	62.6	62.3		
120	71.3	71.3	71.0	70.5	69.9	69.1	68.2	67.2	66.2	65.3	64.4	63.6	62.8	62.2	61.8	61.4	61.2		
125	69.6	69.6	69.3	68.9	68.2	67.5	66.6	65.7	64.8	63.9	63.0	62.2	61.5	60.9	60.5	60.1	59.9		
130	67.7	67.7	67.4	67.0	66.4	65.7	64.8	64.0	63.1	62.3	61.4	60.7	60.0	59.4	59.0	58.6	58.4		
135	65.5	65.5	65.3	64.9	64.3	63.7	62.9	62.1	61.3	60.5	59.7	59.0	58.3	57.8	57.3	57.0	56.7		
140	63.2	63.2	62.9	62.6	62.0	61.4	60.7	60.0	59.2	58.5	57.7	57.0	56.4	55.9	55.4	55.1	54.8		
145	60.2	60.2	60.0	59.7	59.2	58.6	57.9	57.2	56.5	55.8	55.0	54.4	53.8	53.2	52.8	52.4	52.2		
150	56.4	56.4	56.2	55.9	55.5	54.9	54.2	53.6	52.8	52.2	51.5	50.9	50.3	49.8	49.3	48.9	48.2		
155	51.7	51.8	51.5	51.2	50.7	50.2	49.5	49.0	48.2	47.7	46.9	46.4	45.7	45.3	44.7	43.8	43.2		
160	46.1	46.1	45.9	45.6	45.2	44.6	43.9	43.6	43.0	42.4	41.7	41.2	40.5	39.9	38.8	37.8	37.7		
165	39.5	39.5	39.3	39.0	38.5	38.0	37.4	37.0	36.5	36.0	35.3	34.8	34.0	33.1	31.7	30.6	30.1		
170	31.1	31.1	30.9	30.8	30.4	30.1	29.6	29.2	28.6	28.1	27.3	26.6	25.7	24.9	23.7	23.0	22.0		
175	16.3	16.6	16.5	16.7	16.5	16.5	16.1	15.9	15.3	15.0	14.4	14.1	13.5	13.2	12.6	11.7	10.5		
180	0.78	0.78	0.79	0.78	0.79	0.79	0.79	0.79	0.80	0.79	0.80	0.79	0.80	0.79	0.79	0.79	0.79		

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: