

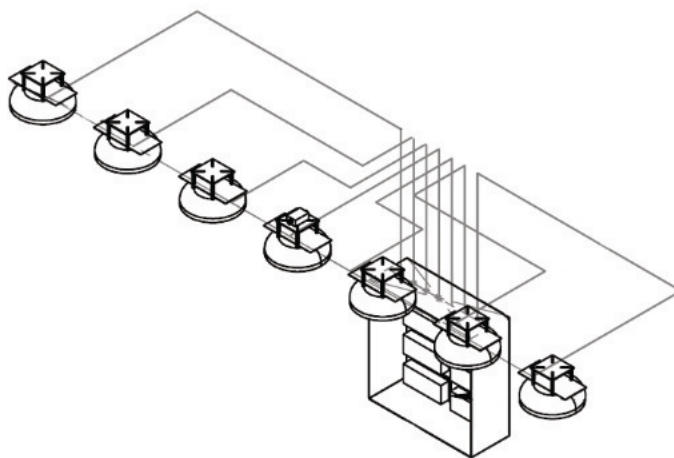
DAISY CHAINING

DAISY CHAIN & CONTROL PANEL OPTIONS

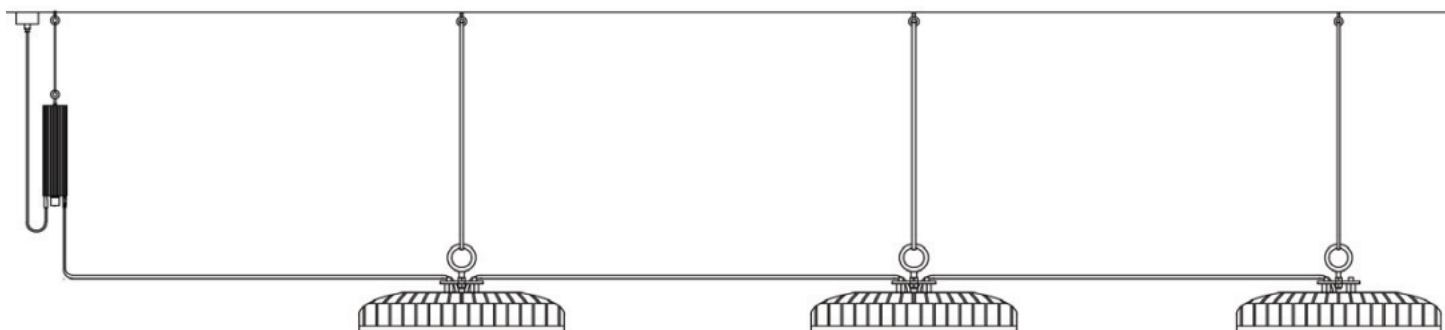
Our custom daisy chain configurations and custom control panel options allow you to power multiple fixtures with one driver, saving you money and space. And we can custom-mount your drivers at a height that best suits your environment.

Reachout to a manufacturing representative today for a custom quote for your facility.

Control Panel for Multiple Lights



Daisy Chain



ORDERING INFORMATION - DAISY CHAIN

ORDERING GUIDE

[illegible]

Notes:

100 Watt Max Daisy Chain = 3 fixtures & 150 Watt Max Daisy Chain = 2 fixtures

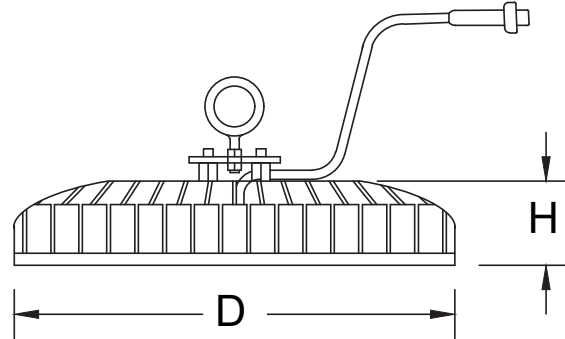
¹ - Standard: Features sensors by Wattstopper with an L7 lens.

² - Internet of Things (IoT): Features sensors by Enlighted Sensors.

DIMENSIONS

Unit: mm (inch)

Wattage	BAA-1 Standard Temp	BAA-2 High Temp
	Dimensions	Dimensions
100W	11" D x 1.9" H	11" D x 1.9" H
150W	11" D x 1.9" H	16" D x 2.2" H
200W	16" D x 2.2" H	16" D x 2.2" H
250W	16" D x 2.2" H	18" D x 3.5" H
300W	18" D x 3.5" H	18" D x 3.5" H
350W	18" D x 3.5" H	N/A
400W	18" D x 3.5" H	N/A



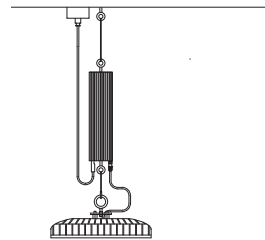
DRIVER + BATTERY BACKUP

REMOTE DRIVER SYSTEMS

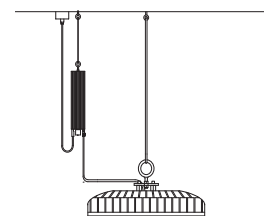
FME Lighting drivers operate in ambient temperatures up to 167°F, while the light engine withstands up to 245°F. If temperatures exceed 167°F, the driver must be relocated to a cooler area within 10' to 1,000' without voltage drop-off.

The driver box can be mounted at ground, ceiling, wall, or strut level. Its universal plug-and-play design ensures easy accessibility.

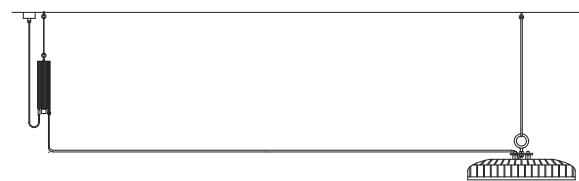
Minimum Footprint



Driver Adjacent



Extend As Needed



OPERATION

If AC power fails, the EM series emergency LED driver switches to emergency mode, operating the LED at reduced output for at least 90 minutes.

Once power is restored, it automatically returns to charging mode.



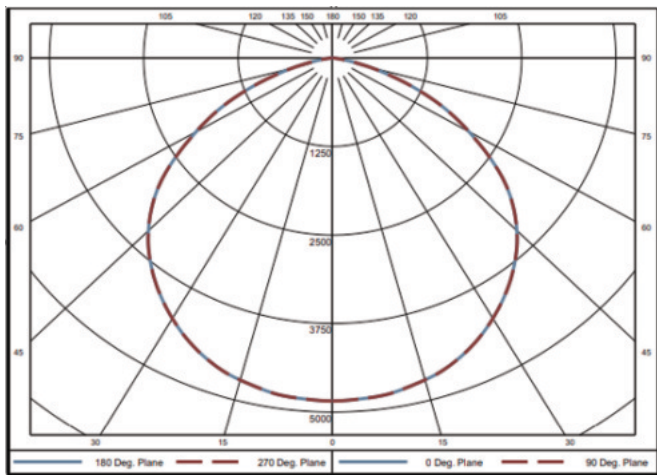
Battery Backup
25W Battery
PN: 1
(EM-L2554-LBF)

EMERGENCY LUMEN OUTPUT EXAMPLE - 25 WATT BATTERY

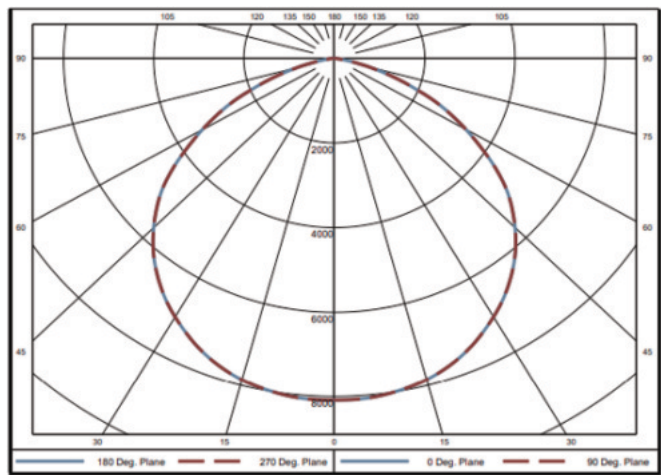
Est Luminaire Efficacy	Est Lumens @1Minute	Est Lumens @45 Minutes	Est Lumens @90 Minutes
140 LPW	3500 lm	3500 lm	3500 lm
150 LPW	3750 lm	3750 lm	3750 lm
160 LPW	4000 lm	4000 lm	4000 lm

PHOTOMETRY DISTRIBUTION - POLAR PLOT

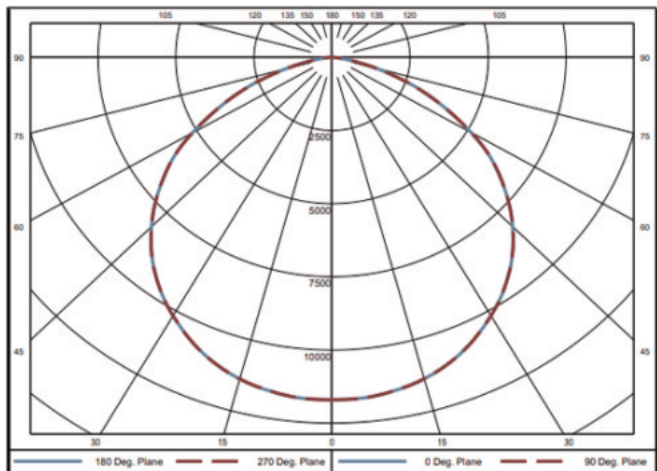
100W



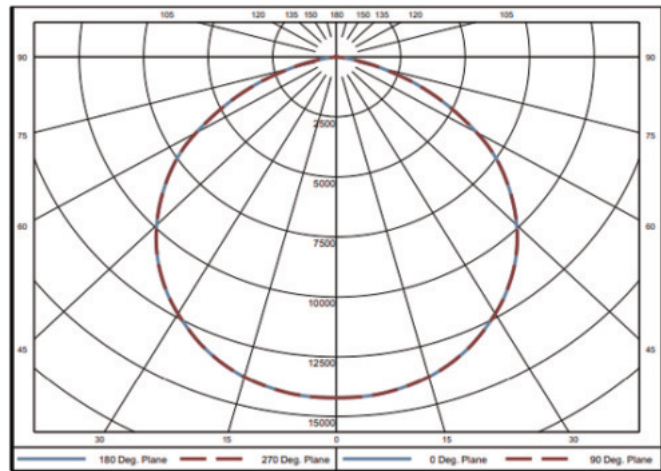
150W



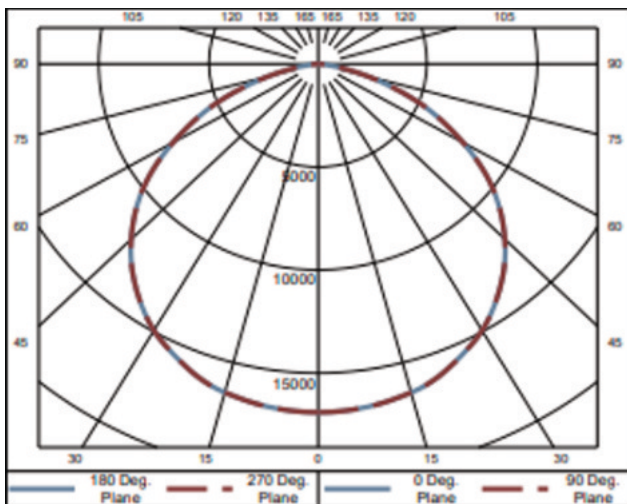
200W



250W



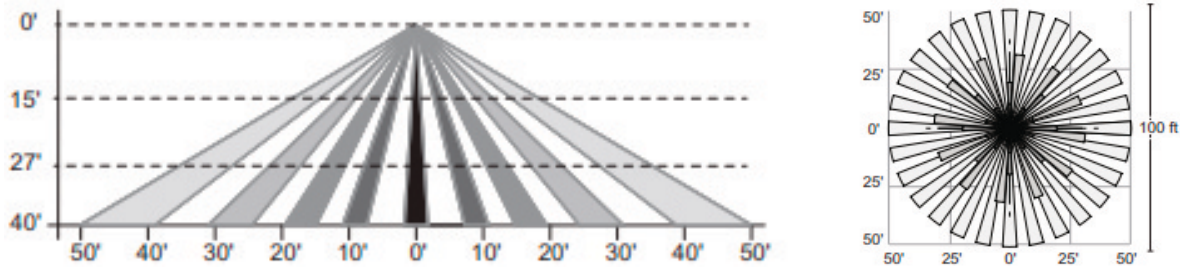
300W



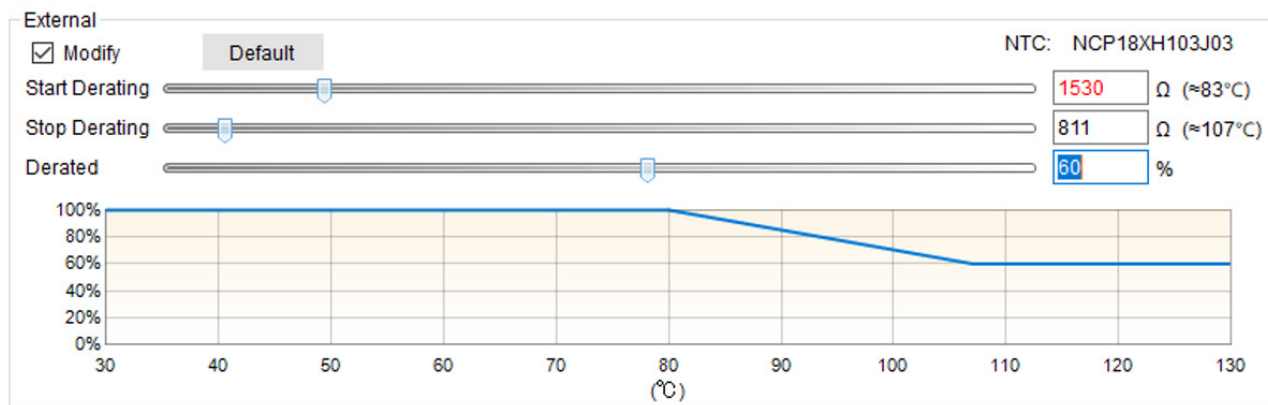
400W - NOT TESTED

IES files are now available for download on our website!

MOTION SENSOR COVERAGE



EXTERNAL THERMISTOR DIMMING



* LEDs set to dim to 60% once the boards reach 108°C

LM80 REPORT

DATA AVERAGES					
AMBIENT TEMPERATURE	OPERATING HOURS				
	0	6,000	9,000	12,000	13,000
55°C	100%	96.92%	95.99%	95.33%	95.08%
85°C	100%	96.33%	95.14%	94.21%	93.88%
105°C	100%	95.48%	93.97%	92.70%	92.31%

FLICKER TEST



OPERATIONAL DATA			
PACKAGE	INPUT WATTAGE	CCT	TUR-X LUMENS (LPW)
100W	87.78 W	4000K	13,940 (156)
		5000K	14,400 (163)
150W	153.3 W	4000K	22,180 (153)
		5000K	22,180 (153)
200W	203.6 W	4000K	32,730 (157)
		5000K	32,730 (157)
250W	258.0 W	4000K	39,910 (155)
		5000K	39,910 (155)
300W	302.2 W	4000K	49,550 (159)
		5000K	49,550 (159)
350W	348.7 W	4000K	57,793 (165)
		5000K	57,973 (165)
400W	398.4 W	4000K	66,050 (165)
		5000K	66,050 (165)

TEST CONDITIONS			
TEMPERATURE	VOLTAGE	POWER FACTOR	FREQUENCY
24.9°C	120.0 VAC	0.999	60Hz

3.1 - DATA SET 1, 55°C, 200 MA (LUMEN MAINTENANCE)

No.	V _F (V)	Φ(lm)	Lumen Maintenance (%)												
	0hr (Initial)		10000hrs	20000hrs	30000hrs	40000hrs	50000hrs	60000hrs	70000hrs	80000hrs	90000hrs	100000hrs	110000hrs	120000hrs	130000hrs
1	25.92	630.4	99.21	98.86	98.41	97.76	97.27	97.08	96.83	96.51	96.05	95.78	95.59	95.42	95.02
2	26.25	650.3	98.94	98.77	98.59	98.37	97.42	96.97	96.79	96.54	96.14	96.05	95.91	95.62	95.59
3	26.16	648.8	99.21	99.18	99.11	98.38	98.06	97.63	97.33	96.95	96.62	96.41	96.18	96.09	95.92
4	26.47	640.9	99.14	98.85	98.08	97.04	96.77	96.69	96.43	96.07	95.90	95.80	95.65	95.37	94.98
5	26.19	638.1	99.14	98.82	98.14	97.38	97.09	96.72	96.44	95.89	95.61	95.38	95.27	95.05	94.80
6	26.05	641.3	99.20	99.06	98.35	97.97	96.99	96.55	96.09	95.73	95.26	94.95	94.79	94.45	94.09
7	26.34	636.7	98.93	98.51	98.30	97.68	97.19	96.80	96.29	95.90	95.65	95.38	95.16	94.93	94.58
8	26.27	645.8	99.24	98.84	98.58	97.89	97.51	97.38	97.04	96.78	96.30	96.07	95.63	95.52	95.42
9	26.22	644.8	99.40	99.12	98.71	98.60	97.98	97.64	97.02	96.71	96.53	96.20	95.87	95.63	95.39
10	26.15	635.3	98.77	98.73	98.24	97.75	96.95	96.76	96.49	96.29	95.92	95.75	95.42	95.17	95.01
11	26.14	639.0	99.17	98.92	98.23	97.48	96.90	96.54	96.31	95.96	95.62	95.41	95.40	95.12	94.91
12	26.12	607.8	98.96	98.21	97.96	97.22	96.78	96.33	95.99	95.41	95.13	94.95	94.62	94.46	94.27
13	25.86	627.6	99.09	98.66	98.12	97.55	96.75	96.22	95.94	95.73	95.54	95.38	95.14	94.89	94.60
14	26.06	625.6	99.38	99.26	98.90	98.31	97.55	97.15	96.55	96.36	96.15	95.88	95.72	95.40	95.24
15	26.17	643.6	99.18	98.87	98.71	98.07	97.14	96.92	96.38	96.22	95.87	95.71	95.49	95.18	94.73
16	26.24	627.3	98.80	98.37	97.85	96.83	96.33	96.14	95.73	95.36	95.01	94.91	94.69	94.29	94.23
17	26.25	632.9	99.37	98.70	98.53	98.09	97.14	96.93	96.70	96.56	96.43	96.21	95.97	95.53	95.70
18	26.28	631.3	99.02	98.56	98.26	97.54	97.20	96.71	96.64	96.45	96.09	95.88	95.69	95.31	95.20
19	26.09	651.5	99.22	98.77	98.30	97.76	97.59	97.18	97.13	96.88	96.70	96.52	96.21	95.92	95.56
20	26.13	636.2	99.76	99.07	98.83	98.77	98.02	97.74	97.60	97.25	96.81	96.70	96.49	96.37	96.05
21	26.25	636.4	99.31	99.01	98.65	98.51	98.05	97.42	97.28	96.18	96.53	96.28	96.15	95.80	95.44
22	25.99	634.1	99.10	98.63	98.42	98.23	97.40	96.81	96.69	96.39	96.04	95.90	95.82	95.43	95.02
Ave.	26.16	636.6	99.16	98.81	98.42	97.87	97.28	96.92	96.62	96.31	95.99	95.79	95.59	95.33	95.08
Med.	26.17	636.6	99.17	98.83	98.38	97.81	97.19	96.87	96.59	96.37	96.05	95.84	95.64	95.38	95.02
st dev	0.1374	9.7938	0.2177	0.2599	0.3172	0.5154	0.4691	0.4494	0.4822	0.5046	0.5055	0.5035	0.4987	0.5278	0.5342
Min.	25.86	607.8	98.77	98.21	97.85	96.83	96.33	96.14	95.73	95.36	95.01	94.91	94.62	94.29	94.09
Max.	26.47	651.5	99.76	99.26	99.11	98.77	98.06	97.74	97.60	97.25	96.81	96.70	96.49	96.37	96.05

3.3 - DATA SET 2, 85°C, 200 MA (LUMEN MAINTENANCE)

No.	V _F (V)	Φ(lm)	Lumen Maintenance (%)												
	0hr (Initial)		10000hrs	20000hrs	30000hrs	40000hrs	50000hrs	60000hrs	70000hrs	80000hrs	90000hrs	100000hrs	110000hrs	120000hrs	130000hrs
23	26.04	643.5	98.63	98.14	97.95	97.16	96.29	95.85	95.49	94.95	94.78	94.58	94.30	93.94	93.80
24	25.93	632.3	98.92	98.50	97.91	96.74	95.94	95.68	95.19	94.78	94.37	94.18	93.82	93.56	93.14
25	26.44	640.0	99.16	98.66	98.09	97.16	96.66	95.89	95.39	95.08	94.59	94.16	93.81	93.47	93.25
26	25.99	647.6	99.09	98.36	97.82	97.16	96.14	95.92	95.35	94.86	94.50	94.26	94.15	93.76	93.47
27	26.45	633.6	98.99	98.48	98.22	97.35	97.14	96.84	96.69	96.29	95.94	95.50	95.14	94.89	94.41
28	26.34	641.7	98.66	98.24	97.48	96.70	95.75	95.28	94.90	94.50	94.17	93.98	93.45	93.16	92.68
29	26.24	649.2	98.86	98.55	97.66	96.78	95.83	95.07	94.73	94.49	94.05	93.68	93.30	92.98	92.84
30	26.03	641.7	98.74	98.52	97.87	97.07	96.59	96.57	96.35	95.98	95.56	95.12	94.90	94.76	94.27
31	25.87	648.2	98.83	98.59	98.15	97.55	96.65	96.54	96.31	95.97	95.62	95.33	94.85	94.40	93.95
32	26.37	658.1	98.63	97.92	97.33	96.47	96.08	95.49	94.71	94.33	93.89	93.60	93.47	93.28	92.90
33	26.04	637.3	98.95	98.42	97.80	97.38	96.56	96.42	95.70	95.43	94.88	94.59	94.24	93.90	93.44
34	25.89	648.5	98.83	98.23	98.20	97.83	97.18	96.95	96.58	96.30	96.14	95.76	95.57	95.45	95.16
35	26.02	651.4	99.25	98.53	98.33	97.97	97.18	96.71	96.28	95.75	98.43	95.15	94.73	94.37	94.12
36	26.01	649.0	99.85	99.32	98.67	98.14	97.35	97.06	96.38	95.82	95.62	95.21	94.87	94.67	94.51
37	26.16	656.6	99.03	98.58	99.21	98.48	98.00	97.56	97.11	96.74	96.38	96.09	95.92	95.74	95.23
38	26.40	636.1	99.18	98.70	98.16	97.44	96.75	96.45	96.07	95.69	95.32	95.16	94.86	94.51	94.21
39	26.09	648.5	99.34	98.81	98.43	97.50	96.79	96.19	96.02	95.64	95.40	95.08	94.76	94.48	94.09
40	26.03	642.8	99.30	99.22	98.46	97.96	97.43	97.12	96.58	96.25	95.86	95.44	95.38	95.19	94.80
41	26.16	640.4	98.86	98.81	98.16	97.64	97.41	97.19	96.89	96.58	96.22	95.78	95.58	95.21	94.89
42	26.28	634.7	98.93	98.52	97.48	96.86	96.27	95.64	95.27	94.83	94.34	93.92	93.51	93.07	92.94
43	26.20	646.0	98.62	98.34	97.49	96.55	96.21	95.98	95.50	94.77	94.15	93.79	93.44	93.00	92.68
44	26.15	652.6	99.31	99.07	98.39	97.61	97.59	96.87	96.75	96.23	95.88	95.66	95.23	94.94	94.51
Ave.	26.14	644.5	99.00	98.57	98.06	97.34	96.72	96.33	95.92	95.51	95.14	94.82	94.51	94.21	93.88
Med.	26.12	644.8	98.94	98.52	98.12	97.36	96.65	96.43	96.05	95.66	95.36	95.10	94.75	94.38	94.02
st dev	0.1774	7.1951	0.2970	0.3350	0.4440	0.5369	0.6255	0.6785	0.7263	0.7411	0.7882	0.7680	0.8051	0.8488	0.8147
Min.	25.87	632.3	98.62	97.92	97.33	96.47	95.75	95.07	94.71	94.33	93.89	93.60	93.30	92.98	92.68
Max.	26.45	658.1	99.85	99.32	99.21	98.48	98.00	97.56	97.11	96.74	96.38	96.09	95.92	95.74	95.23

3.5 - DATA SET 3, 105°C, 200 MA (LUMEN MAINTENANCE)

No.	V _F (V)	Φ(lm)	Lumen Maintenance (%)												
	0hr (Initial)		10000hrs	20000hrs	30000hrs	40000hrs	50000hrs	60000hrs	70000hrs	80000hrs	90000hrs	100000hrs	110000hrs	120000hrs	130000hrs
45	26.31	639.0	99.01	98.48	97.79	96.73	95.92	95.31	94.87	94.26	93.80	93.40	92.94	92.47	92.16
46	26.17	645.4	98.99	98.22	97.57	97.07	96.16	95.32	95.18	94.67	94.17	93.76	93.11	92.84	92.28
47	26.05	648.0	99.15	98.37	98.02	97.13	96.67	96.11	95.57	95.02	94.34	93.83	93.46	93.16	92.75
48	26.20	639.6	98.95	98.55	97.72	96.89	95.95	95.29	94.89	94.15	93.62	93.14	92.60	92.03	91.74
49	26.24	648.5	99.03	98.57	97.67	96.75	96.31	95.81	95.20	94.71	94.40	94.12	93.69	93.28	92.74
50	26.08	648.2	99.35	98.72	98.21	97.42	97.16	96.84	96.48	95.87	95.22	94.88	94.32	93.88	93.58
51	26.41	635.7	98.87	98.54	97.84	97.06	96.07	95.33	94.56	93.79	93.24	92.76	92.45	92.01	91.57
52	26.29	633.8	98.97	98.37	98.01	97.18	96.45	95.55	94.87	94.29	93.83	93.48	92.88	92.54	92.19
53	26.07	641.5	99.08	98.07	97.68	95.88	94.86	94.50	94.01	93.42	93.11	92.67	92.11	91.69	91.32
54	26.35	637.9	99.03	98.21	97.52	97.02	95.85	95.69	95.20	94.73	94.37	93.84	93.35	92.84	92.33
55	25.99	639.0	98.89	98.47	97.398	96.85	96.48	96.06	95.32	94.90	94.30	93.96	93.57	93.10	92.52
56	26.18	639.4	99.12	98.20	97.79	96.67	95.93	95.87	95.20	94.64	93.98	93.73	93.53	92.99	92.71
57	26.32	632.3	99.04	97.96	97.31	96.28	95.40	95.14	94.65	94.35	93.71	93.20	92.88	92.33	92.12
58	26.26	643.2	98.63	97.89	97.25	96.10	95.60	95.18	94.50	93.92	93.27	92.79	92.40	91.95	91.51
59	26.26	632.8	99.05	98.44	97.49	96.78	95.97	95.73	94.99	94.47	94.11	93.63	93.14	92.86	92.57
60	26.30	638.0	99.17	98.43	97.38	96.45	95.47	95.25	94.81	94.12	93.50	93.21	92.57	92.26	91.93
61	26.20	636.0	99.09	98.52	97.91	96.70	96.35	96.05	95.68	95.24	94.81	94.48	94.06	93.73	93.33
62	26.24	636.8	98.90	98.65	97.71	96.69	95.74	94.60	94.38	94.13	93.50	93.07	92.57	92.09	91.79
63	25.97	641.9	98.91	98.33	97.55	96.73	96.15	95.45	95.12	94.73	94.20	93.68	93.29	92.88	92.43
64	25.91	632.0	99.22	98.28	97.31	96.11	95.71	94.97	94.54	94.13	93.48	93.07	92.82	92.50	92.20
65	26.48	636.3	98.54	97.64	96.83	96.20	96.18	95.29	94.92	94.59	94.17	93.84	93.37	92.85	92.39
66	26.18	644.5	98.63	98.03	97.15	97.01	96.25	95.25	94.97	94.66	94.29	93.98	93.55	93.17	92.68
Ave.	26.20	639.5	98.98	98.33	97.62	96.71	96.03	95.48	95.00	94.49	93.97	93.57	93.12	92.70	92.31
Med.	26.22	639.0	99.02	98.40	97.67	96.74	96.02	95.32	94.95	94.53	94.04	93.65	93.12	92.84	92.31
st dev	0.1442	5.1046	0.1938	0.2787	0.3303	0.3981	0.4818	0.5227	0.5109	0.5227	0.5261	0.5567	0.5583	0.5739	0.5549
Min.	25.91	632.0	98.54	97.64	96.83	95.88	94.83	94.50	94.01	93.42	93.11	92.67	92.11	91.69	91.32
Max.	26.48	648.5	99.35	98.72	98.21	97.42	97.16	96.84	96.48	95.87	95.22	94.88	94.32	93.88	93.58