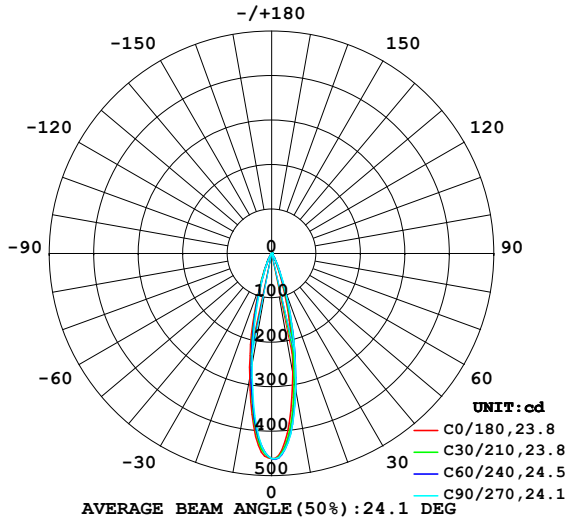


LUMINAIRE PHOTOMETRIC TEST REPORT

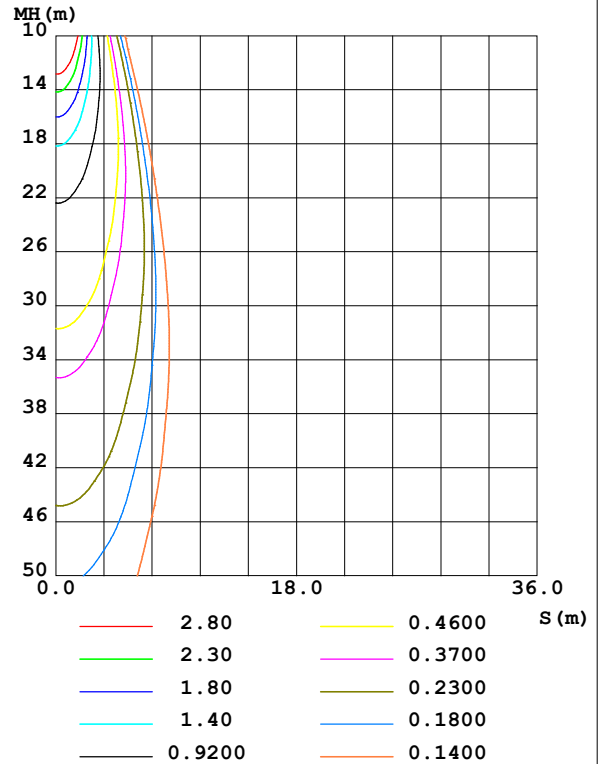
Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.68 lm/W
MODEL	MNK	Imax (cd)	469.9	S/MH (C0/180)	0.41	
NOMINAL POWER(W)	3	LOR (%)	100.0	S/MH (C90/270)	0.37	
RATED VOLTAGE(V)	48	TOTAL FLUX(lm)	101.03	η UP,DN (C0-180)	0.3,54.8	
NOMINAL FLUX(lm)	101.032	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.3,44.7	
LAMPS INSIDE	1	η up (%)	0.6	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	48	η down (%)	99.4	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	275.6	306.9	311.1	316.8	285.3	262.7	255.9	253.4	0- 10	34.97	34.97	34.6, 34.6
20	67.63	90.55	90.75	98.02	74.67	67.75	63.34	61.83	10- 20	44.73	79.70	78.9, 78.9
30	13.76	17.75	16.53	20.32	16.49	14.14	10.77	12.25	20- 30	16.28	95.98	95, 95
40	1.752	2.411	1.429	2.417	1.829	1.342	0.8393	1.343	30- 40	3.710	99.69	98.7, 98.7
50	0.3316	0.2591	0.1957	0.3442	0.2950	0.2240	0.0885	0.2278	40- 50	0.5549	100.2	99.2, 99.2
60	0.0642	0.0320	0.0426	0.0320	0.0320	0.0462	0.0284	0.0533	50- 60	0.1100	100.4	99.3, 99.3
70	0.0320	0.0320	0.0319	0.0284	0.0320	0.0320	0.0284	0.0320	60- 70	0.0402	100.4	99.4, 99.4
80	0.0320	0.0320	0.0319	0.0284	0.0320	0.0320	0.0319	0.0284	70- 80	0.0389	100.4	99.4, 99.4
90	0.0320	0.0320	0.0319	0.0284	0.0320	0.0320	0.0319	0.0284	80- 90	0.0392	100.5	99.4, 99.4
100	0.0320	0.0320	0.0319	0.0320	0.0320	0.0320	0.0319	0.0284	90-100	0.0374	100.5	99.5, 99.5
110	0.0320	0.0320	0.0319	0.0320	0.0320	0.0320	0.0355	0.0284	100-110	0.0340	100.5	99.5, 99.5
120	0.0320	0.0355	0.0319	0.0356	0.0392	0.0320	0.0390	0.0284	110-120	0.0327	100.6	99.5, 99.5
130	0.0320	0.0462	0.0319	0.0427	0.0499	0.0320	0.0568	0.0284	120-130	0.0326	100.6	99.6, 99.6
140	0.0746	0.0853	0.0600	0.0818	0.1033	0.0746	0.1172	0.0782	130-140	0.0432	100.7	99.6, 99.6
150	0.1920	0.1920	0.1559	0.1851	0.2280	0.2024	0.2414	0.2026	140-150	0.0824	100.7	99.7, 99.7
160	0.3559	0.3518	0.3263	0.3593	0.3883	0.3658	0.3940	0.3626	150-160	0.1285	100.9	99.8, 99.8
170	0.5053	0.4619	0.4930	0.5085	0.4806	0.4689	0.4754	0.4729	160-170	0.1213	101.0	100, 100
180	0.4984	0.4902	0.5003	0.4658	0.4771	0.4795	0.4754	0.4800	170-180	0.0468	101.0	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 100.08 lm

%lum = 99.1%

%lamp = 99.1%

Conical surface Flux(120deg): 100.36 lm

%lum = 99.3%

%lamp = 99.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3;æ
 Operators:LITPA
 Test Date:09 September 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:55.0%
 Test Distance:7.000m [K=1.0000]
 Remarks: MNK 3W

LUMINANCE LIMITATION CURVES

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz

Lamp Flux:101.032x1 lm

NAME: MNK

TYPE: LED

WEIGHT: 0.2KG

SPEC.: 3W

DIM.: 36X45mm

SERIAL No.:

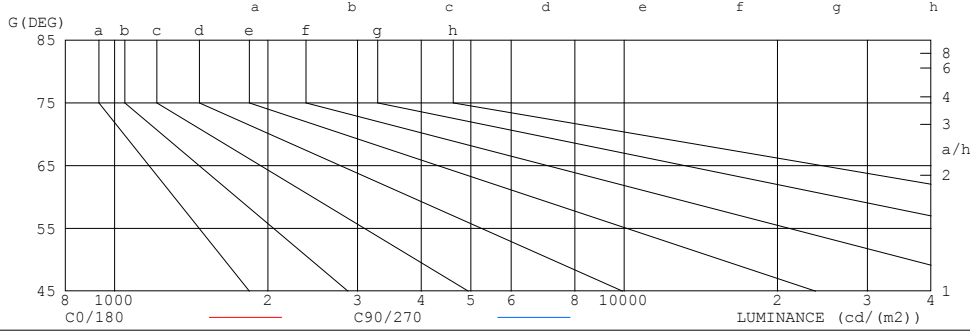
MFR.: LITPA AYDINLATMA

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4	4
80	2	2
75	1	1
70	1	1
65	1	1
60	1	1
55	3	2
50	5	3
45	11	9

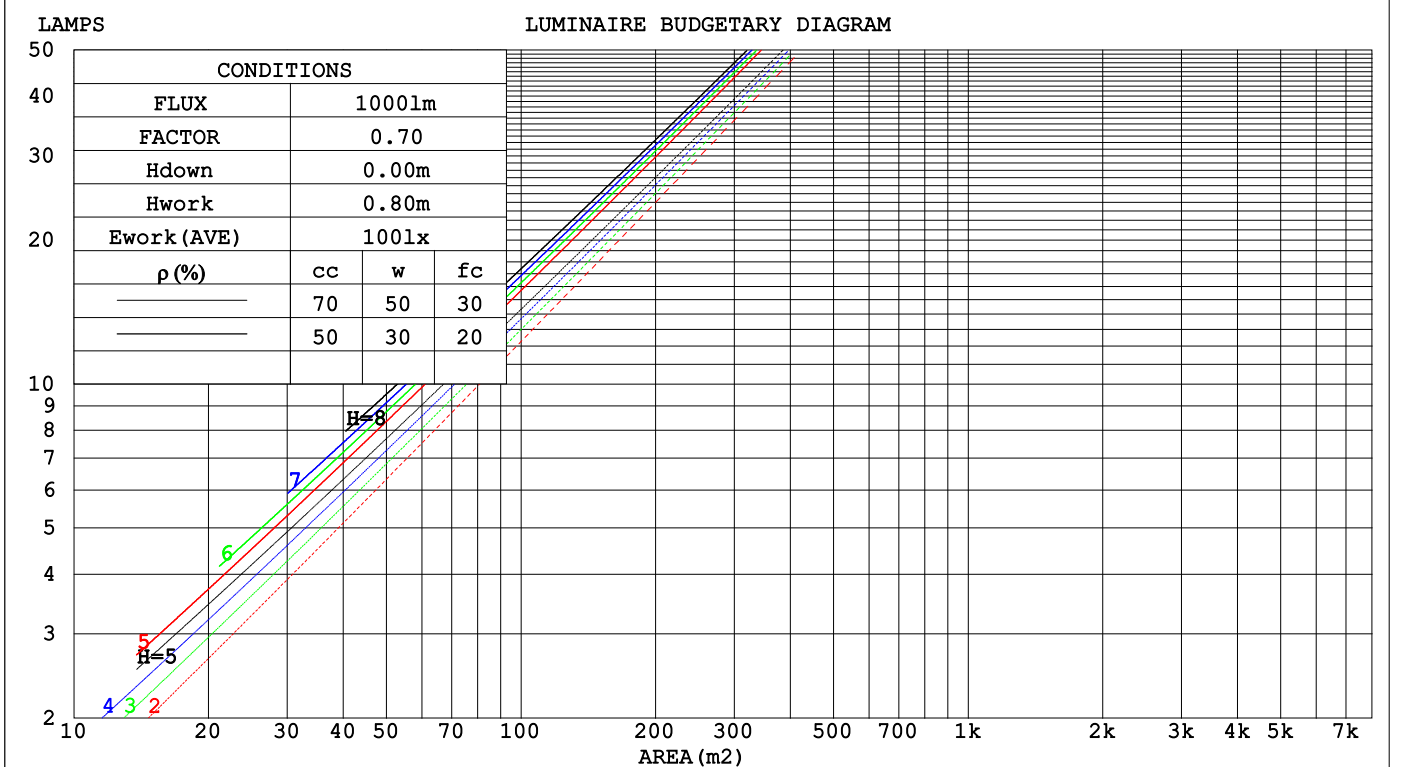
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.99
1.0	1.13	1.11	1.09	1.11	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.99	.90	.98	.96	.97	.96	.94	.93
3.0	1.03	.99	.96	1.02	.98	.96	.99	.96	.94	.97	.94	.93	.94	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.90	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.86	.84	.88	.86	.83	.87	.85	.83	.82
7.0	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79
8.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
9.0	.84	.79	.77	.83	.79	.77	.82	.79	.76	.82	.78	.76	.81	.78	.76	.75
10.0	.81	.77	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.79	.76	.74	.73



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

WEC AND CCEC

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz		
Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.137	.078	.025	.131	.075	.024	.118	.068	.022	.106	.061	.020	.096	.055	.018	
2.0	.127	.070	.021	.122	.067	.021	.111	.062	.019	.101	.057	.018	.092	.052	.016	
3.0	.119	.063	.019	.114	.061	.018	.105	.057	.017	.097	.053	.016	.089	.050	.015	
4.0	.111	.058	.017	.107	.056	.017	.100	.053	.016	.093	.050	.015	.086	.047	.014	
5.0	.105	.053	.015	.101	.052	.015	.095	.049	.015	.089	.047	.014	.084	.045	.013	
6.0	.099	.050	.014	.096	.049	.014	.091	.047	.014	.086	.044	.013	.081	.043	.013	
7.0	.094	.047	.013	.092	.046	.013	.087	.044	.013	.082	.042	.012	.078	.041	.012	
8.0	.090	.044	.012	.088	.043	.012	.083	.042	.012	.079	.040	.012	.076	.039	.011	
9.0	.086	.042	.012	.084	.041	.011	.080	.040	.011	.077	.038	.011	.073	.037	.011	
10.0	.082	.039	.011	.081	.039	.011	.077	.038	.011	.074	.037	.010	.071	.036	.010	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.173	.162	.152	.148	.139	.131	.101	.096	.091	.058	.055	.053	.019	.018	.017	
2.0	.155	.137	.122	.132	.118	.106	.091	.082	.074	.052	.047	.043	.017	.015	.014	
3.0	.140	.118	.100	.120	.101	.087	.082	.070	.061	.047	.041	.036	.015	.013	.012	
4.0	.127	.102	.083	.109	.088	.072	.075	.062	.051	.043	.036	.030	.014	.012	.010	
5.0	.117	.090	.070	.100	.078	.061	.069	.054	.043	.040	.032	.026	.013	.010	.008	
6.0	.108	.080	.060	.093	.069	.052	.064	.048	.037	.037	.029	.022	.012	.009	.007	
7.0	.100	.072	.052	.086	.062	.045	.060	.044	.032	.035	.026	.019	.011	.008	.006	
8.0	.094	.065	.045	.081	.056	.039	.056	.040	.028	.033	.023	.017	.011	.008	.006	
9.0	.088	.059	.040	.076	.052	.035	.053	.036	.025	.031	.021	.015	.010	.007	.005	
10.0	.083	.055	.036	.072	.047	.031	.050	.033	.022	.029	.020	.013	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;ø
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

UGR(Unified Glare Rating) Table

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm										
NAME: MNK					TYPE: LED			WEIGHT: 0.2KG		
SPEC.: 3W					DIM.: 36X45mm			SERIAL No.:		
MFR.: LITPA AYDINLATMA					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	-3.6	-2.9	-3.3	-2.7	-2.6	-2.3	-1.7	-2.1	-1.5	-1.4
3H	-3.7	-3.1	-3.5	-2.9	-2.7	-2.5	-1.9	-2.2	-1.7	-1.5
4H	-3.8	-3.2	-3.5	-3.0	-2.8	-2.6	-2.0	-2.3	-1.8	-1.6
6H	-3.8	-3.3	-3.5	-3.1	-2.8	-2.6	-2.1	-2.4	-1.9	-1.6
8H	-3.9	-3.3	-3.6	-3.1	-2.8	-2.7	-2.1	-2.4	-1.9	-1.6
12H	-3.9	-3.4	-3.6	-3.1	-2.8	-2.7	-2.2	-2.4	-1.9	-1.7
4H 2H	-3.8	-3.2	-3.5	-3.0	-2.8	-2.6	-2.0	-2.3	-1.8	-1.6
3H	-3.9	-3.4	-3.6	-3.2	-2.9	-2.7	-2.2	-2.4	-2.0	-1.7
4H	-4.0	-3.6	-3.7	-3.3	-3.0	-2.8	-2.4	-2.5	-2.1	-1.8
6H	-4.1	-3.7	-3.7	-3.3	-3.0	-2.9	-2.5	-2.5	-2.2	-1.8
8H	-4.1	-3.7	-3.7	-3.4	-3.0	-2.9	-2.6	-2.5	-2.2	-1.8
12H	-4.1	-3.8	-3.7	-3.4	-3.0	-3.0	-2.6	-2.5	-2.2	-1.8
8H 4H	-4.2	-3.8	-3.8	-3.4	-3.1	-3.0	-2.6	-2.6	-2.2	-1.9
6H	-4.2	-3.9	-3.8	-3.5	-3.1	-3.1	-2.7	-2.6	-2.3	-1.9
8H	-4.2	-4.0	-3.8	-3.5	-3.1	-3.1	-2.8	-2.6	-2.4	-1.9
12H	-4.2	-4.0	-3.7	-3.5	-3.0	-3.1	-2.8	-2.6	-2.4	-1.9
12H 4H	-4.2	-3.9	-3.8	-3.5	-3.1	-3.0	-2.7	-2.6	-2.3	-1.9
6H	-4.3	-4.0	-3.8	-3.6	-3.1	-3.1	-2.8	-2.7	-2.4	-2.0
8H	-4.3	-4.0	-3.8	-3.6	-3.1	-3.1	-2.9	-2.7	-2.4	-2.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.6 / - 7.2					+ 2.6 / - 6.6				
1.5H	+ 5.8 / - 6.6					+ 4.7 / - 6.3				
2.0H	+ 4.9 / - 2.9					+ 4.9 / - 2.0				

CIE Pub.117, 101.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

UTILIZATION FACTORS TABLE

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

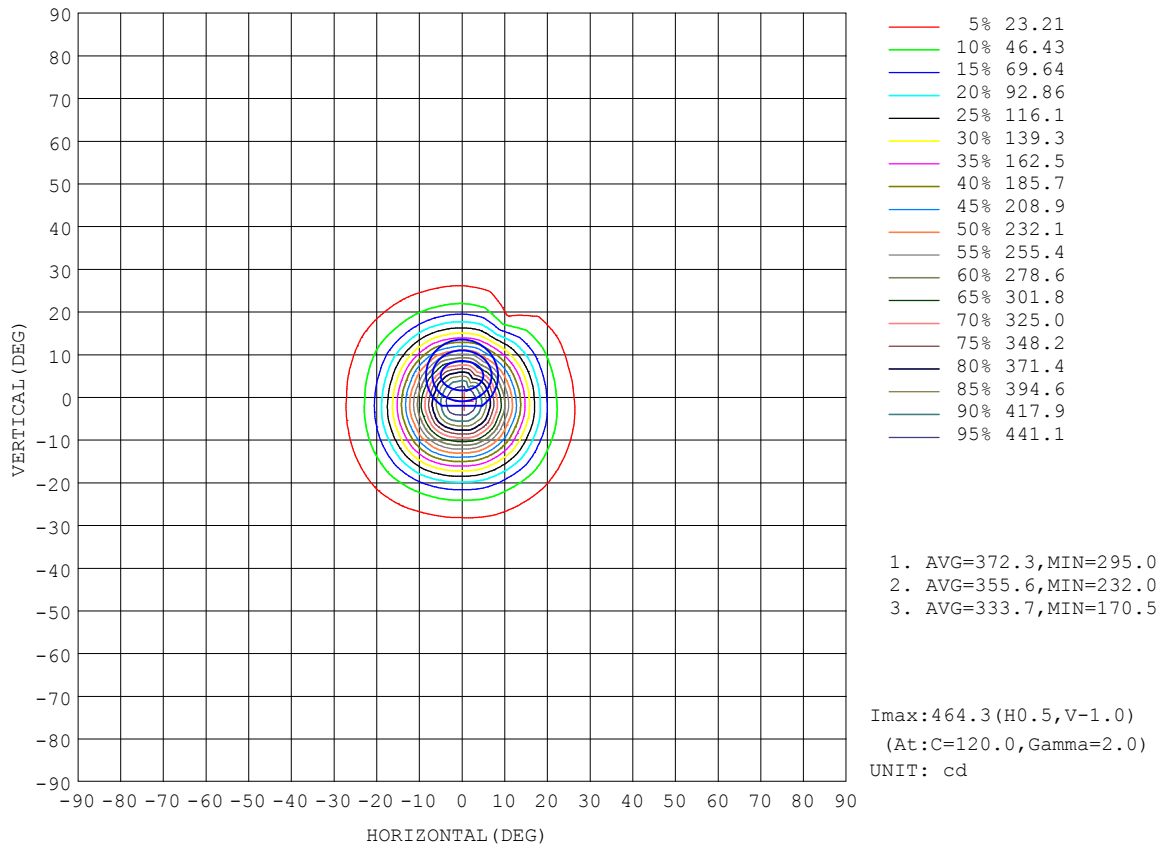
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	84	81	78
0.80	98	92	89	97	92	89	96	92	89	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	105	103	101	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3;æ
 Operators: LITPA
 Test Date: 09 September 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 55.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks: MNK 3W

ISOCANDELA DIAGRAM

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

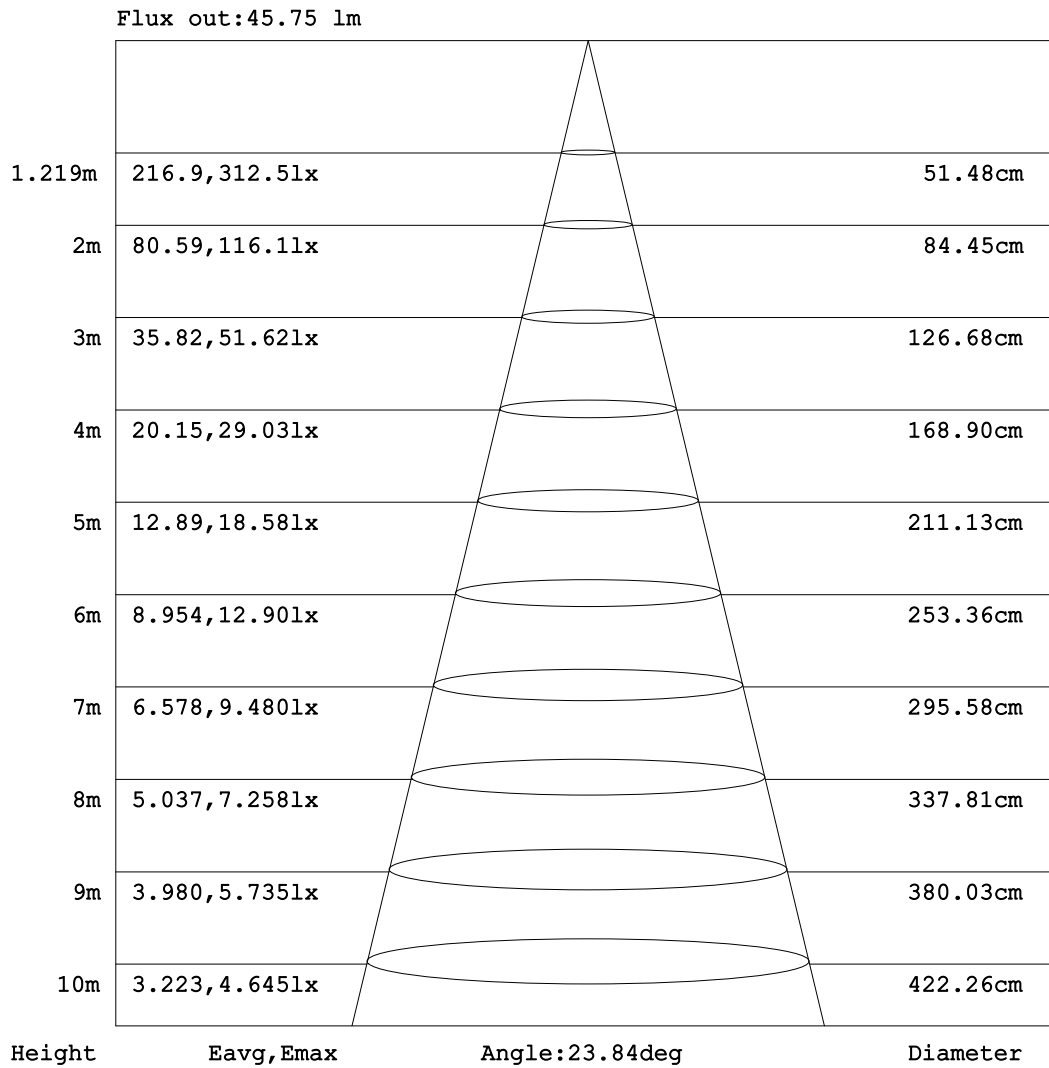


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

AAI Figure

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



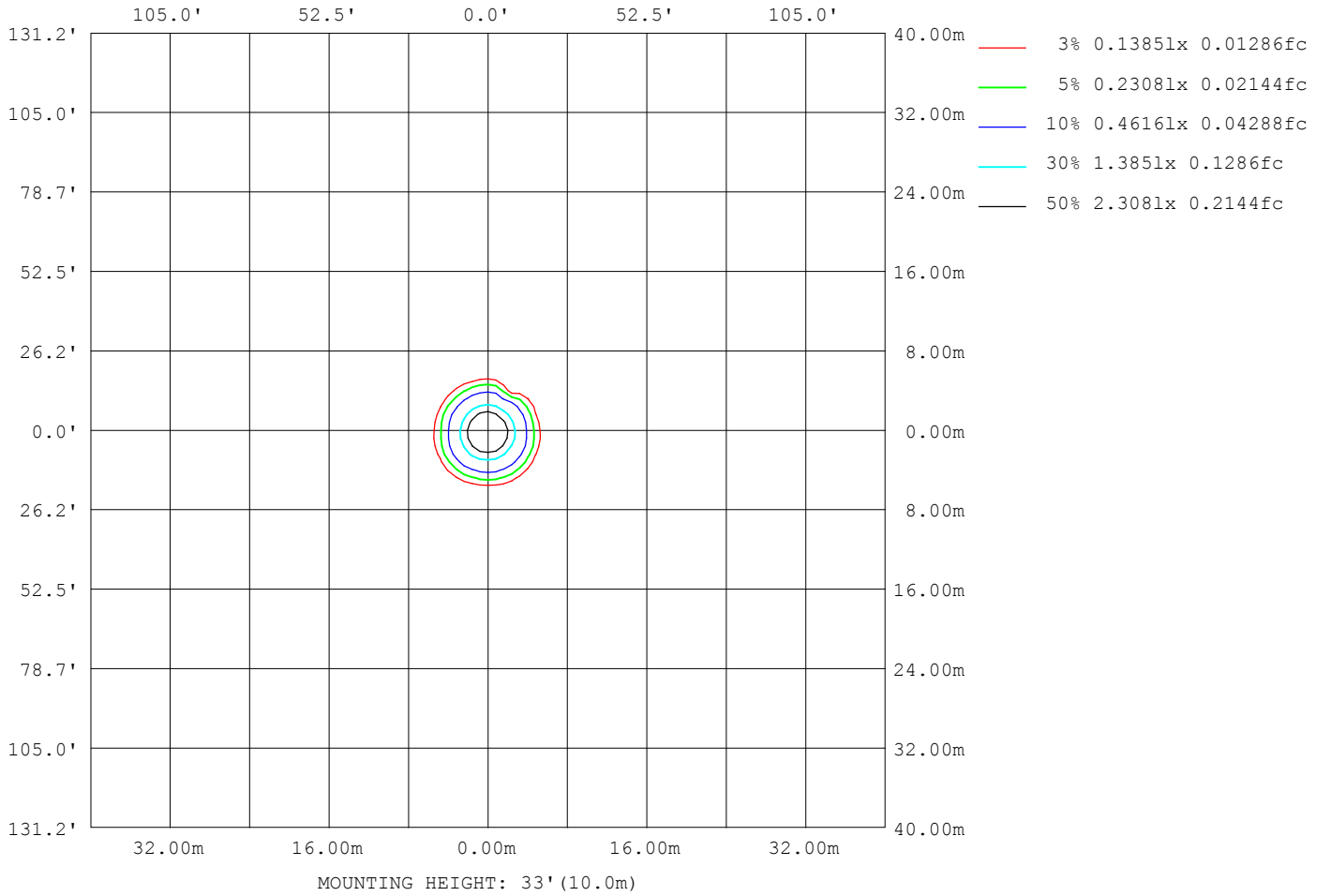
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

ISOLUX DIAGRAM

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

LED Avg.L Report

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

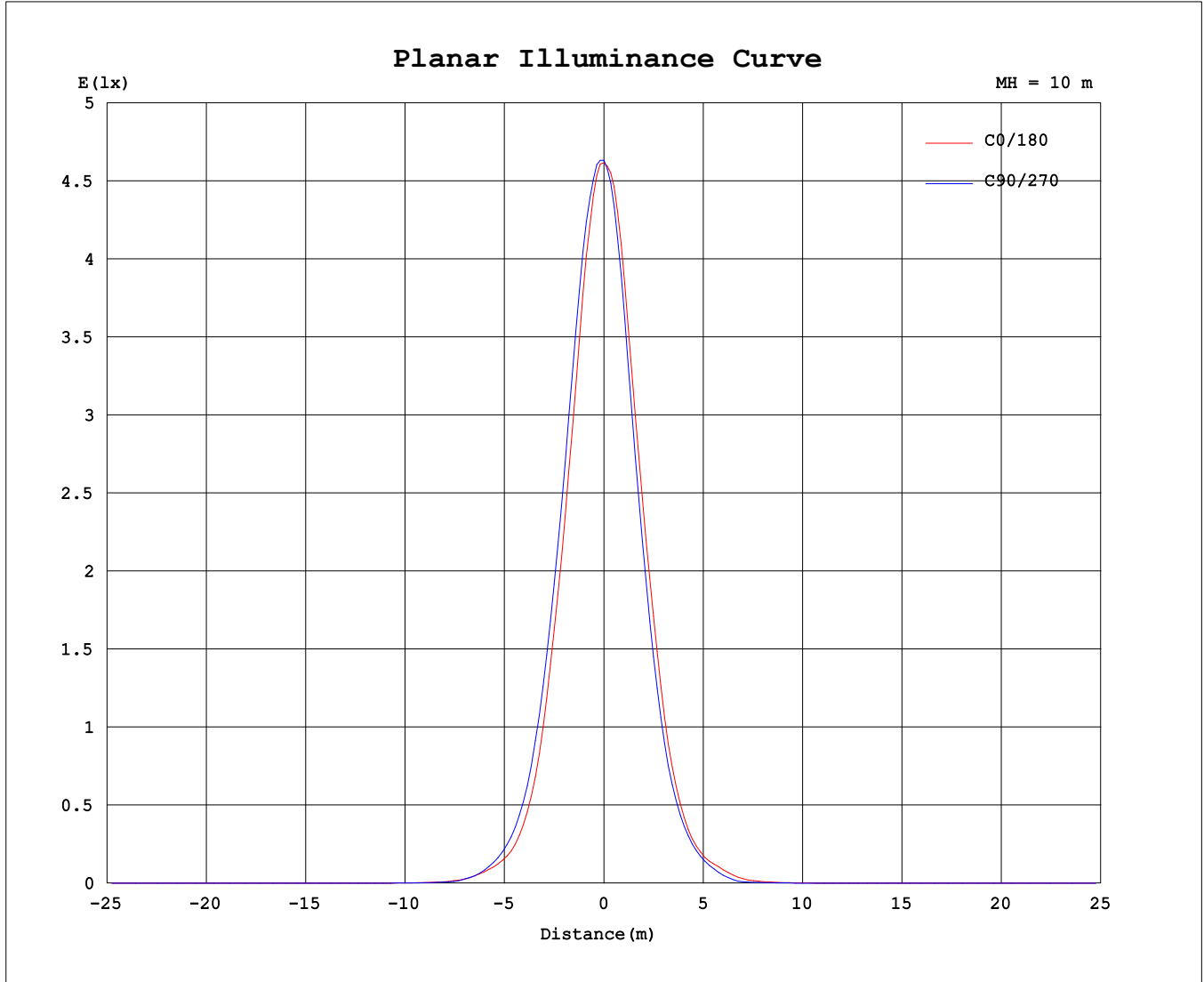
AvgL	cd/m2
L_0~180 (65) av	1
L_0~180 (75) av	1
L_0~180 (85) av	4
L_90~270 (65) av	1
L_90~270 (75) av	1
L_90~270 (85) av	4
L_45 (65) av	1
L_45 (75) av	1
L_45 (85) av	3

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3;æ
Operators: LITPA
Test Date: 09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 55.0%
Test Distance: 7.000m [K=1.0000]
Remarks: MNK 3W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm																		
NAME: MNK									TYPE: LED					WEIGHT: 0.2KG				
SPEC.: 3W									DIM.: 36X45mm					SERIAL No.:				
MFR.: LITPA AYDINLATMA									SUR.:					Shielding Angle:				

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
5	406	415	418	425	426	430	427	430	445	435	426	421	413	406	404	398	398	391	392
10	276	288	291	307	311	317	311	315	327	317	304	299	285	273	270	263	267	258	256
15	155	165	170	182	187	189	186	192	202	194	182	176	165	154	152	148	145	140	138
20	67.6	75.6	81.9	90.5	90.9	92.3	90.8	94.3	103	98.0	89.7	82.5	74.7	71.0	71.6	67.8	65.9	63.4	63.3
25	27.9	32.2	35.0	39.5	39.3	41.2	39.9	40.7	43.0	43.2	39.5	34.7	31.9	31.6	32.2	29.6	28.5	28.0	27.8
30	13.8	14.3	16.4	17.7	18.6	17.9	16.5	17.3	20.5	20.3	18.3	18.0	16.5	14.0	14.0	14.1	14.7	11.8	10.8
35	4.97	5.22	5.58	7.56	8.37	6.01	4.99	6.21	8.90	8.09	6.70	6.19	5.44	4.35	3.98	4.09	4.08	2.02	1.90
40	1.75	1.91	1.88	2.41	1.94	1.52	1.43	1.58	2.60	2.42	2.10	2.18	1.83	1.57	1.48	1.34	0.91	0.82	0.84
45	0.78	0.80	0.95	0.88	0.70	0.65	0.66	0.70	1.04	0.98	0.91	0.85	0.75	0.64	0.65	0.49	0.38	0.32	0.26
50	0.33	0.30	0.35	0.26	0.31	0.18	0.20	0.21	0.56	0.34	0.36	0.32	0.29	0.27	0.21	0.22	0.13	0.13	0.09
55	0.18	0.12	0.16	0.13	0.13	0.07	0.10	0.08	0.33	0.14	0.17	0.13	0.12	0.12	0.07	0.09	0.07	0.05	0.03
60	0.06	0.03	0.06	0.03	0.05	0.03	0.04	0.03	0.23	0.03	0.06	0.03	0.03	0.06	0.03	0.05	0.03	0.04	0.03
65	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.19	0.03	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.03	0.03
70	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.17	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
75	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.16	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
80	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.15	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
85	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.14	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.13	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
95	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.11	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
100	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
105	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03
110	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.04
115	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04
120	0.03	0.04	0.02	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04
125	0.03	0.04	0.02	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.05	0.03	0.05	0.03	0.04
130	0.03	0.05	0.02	0.05	0.03	0.05	0.03	0.04	0.03	0.04	0.03	0.05	0.05	0.03	0.05	0.03	0.06	0.03	0.06
135	0.03	0.06	0.02	0.06	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.06	0.07	0.04	0.08	0.05	0.08	0.05	0.07
140	0.07	0.09	0.07	0.09	0.07	0.08	0.06	0.08	0.03	0.08	0.06	0.09	0.10	0.08	0.11	0.07	0.11	0.07	0.12
145	0.10	0.14	0.09	0.13	0.09	0.12	0.09	0.12	0.08	0.12	0.09	0.13	0.15	0.12	0.16	0.13	0.16	0.14	0.17
150	0.19	0.21	0.17	0.19	0.15	0.18	0.16	0.19	0.13	0.19	0.16	0.20	0.23	0.19	0.23	0.20	0.24	0.21	0.24
155	0.26	0.29	0.24	0.27	0.24	0.27	0.24	0.27	0.21	0.26	0.23	0.27	0.31	0.29	0.32	0.30	0.33	0.30	0.32
160	0.36	0.38	0.34	0.35	0.31	0.36	0.33	0.36	0.31	0.36	0.34	0.37	0.39	0.36	0.40	0.37	0.41	0.38	0.39
165	0.44	0.47	0.42	0.42	0.38	0.44	0.42	0.46	0.42	0.44	0.42	0.45	0.46	0.43	0.47	0.43	0.48	0.45	0.45
170	0.51	0.53	0.47	0.46	0.42	0.50	0.49	0.53	0.47	0.51	0.48	0.51	0.48	0.47	0.48	0.47	0.48	0.47	0.48
175	0.53	0.53	0.54	0.48	0.45	0.53	0.53	0.53	0.53	0.50	0.53	0.53	0.48	0.48	0.48	0.48	0.48	0.47	0.48
180	0.50	0.50	0.50	0.49	0.48	0.48	0.50	0.50	0.49	0.47	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3;ø

Operators:LITPA

Test Date:09 September 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459

Humidity:55.0%

Test Distance:7.000m [K=1.0000]

Remarks: MNK 3W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:48.000V I:0A P:3.0000W PF:100.0000 Freq:0Hz Lamp Flux:101.032x1 lm		
NAME: MNK	TYPE: LED	WEIGHT: 0.2KG
SPEC.: 3W	DIM.: 36X45mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	461	461	461	461	461													
5	392	380	389	396	398													
10	260	253	253	258	263													
15	139	135	138	143	148													
20	60.8	40.6	61.8	65.1	64.7													
25	25.7	9.84	26.0	27.8	26.7													
30	10.9	2.63	12.2	12.7	13.0													
35	2.26	0.21	3.72	3.89	4.18													
40	0.90	0.03	1.34	1.45	1.66													
45	0.37	0.03	0.56	0.62	0.72													
50	0.13	0.03	0.23	0.22	0.28													
55	0.06	0.03	0.11	0.08	0.15													
60	0.04	0.03	0.05	0.03	0.06													
65	0.03	0.03	0.04	0.03	0.04													
70	0.03	0.03	0.03	0.03	0.03													
75	0.03	0.03	0.03	0.03	0.03													
80	0.03	0.03	0.03	0.03	0.03													
85	0.03	0.03	0.03	0.03	0.03													
90	0.03	0.03	0.03	0.03	0.03													
95	0.03	0.03	0.03	0.03	0.03													
100	0.03	0.03	0.03	0.03	0.03													
105	0.03	0.03	0.03	0.03	0.03													
110	0.03	0.03	0.03	0.03	0.03													
115	0.03	0.04	0.03	0.04	0.03													
120	0.03	0.04	0.03	0.04	0.03													
125	0.03	0.05	0.03	0.04	0.03													
130	0.03	0.05	0.03	0.06	0.03													
135	0.04	0.08	0.05	0.07	0.04													
140	0.08	0.12	0.08	0.11	0.08													
145	0.13	0.18	0.13	0.17	0.13													
150	0.21	0.25	0.20	0.24	0.20													
155	0.31	0.33	0.30	0.33	0.30													
160	0.36	0.40	0.36	0.41	0.36													
165	0.42	0.45	0.43	0.48	0.44													
170	0.43	0.48	0.47	0.48	0.47													
175	0.45	0.48	0.48	0.48	0.48													
180	0.47	0.48	0.48	0.48	0.48													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09 September 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: MNK 3W