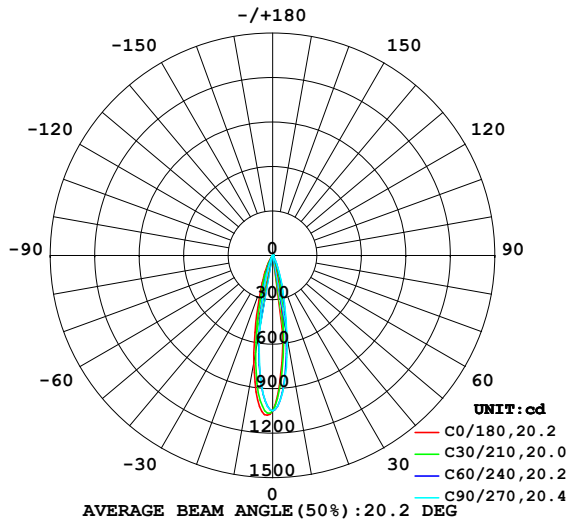


LUMINAIRE PHOTOMETRIC TEST REPORT

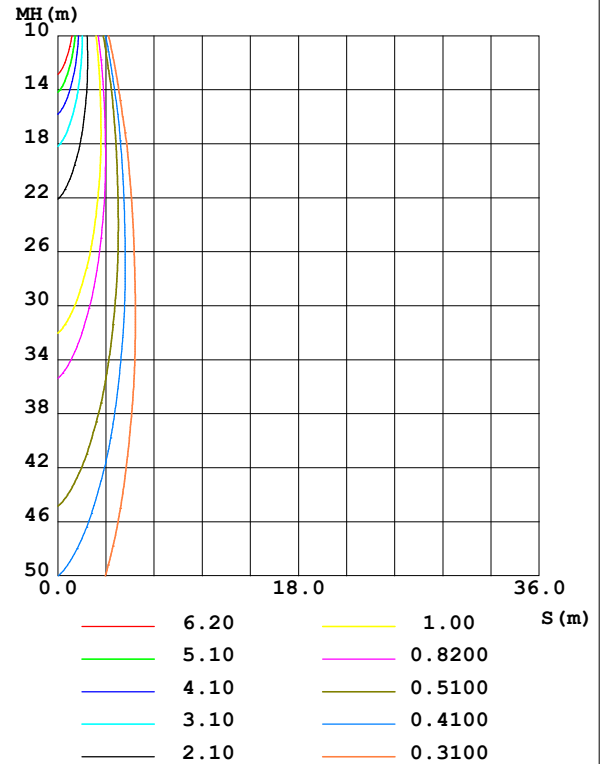
Test:U:48.000V I:0A P:3.0000W PF:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 61.27 lm/W
MODEL	MNY	I _{max} (cd)	1079	S/MH (C0/180)	0.45	
NOMINAL POWER(W)	3	LOR (%)	100.0	S/MH (C90/270)	0.34	
RATED VOLTAGE(V)	48	TOTAL FLUX(lm)	183.81	η UP,DN (C0-180)	0.2,50.0	
NOMINAL FLUX(lm)	183.81	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.2,49.5	
LAMPS INSIDE	1	η up (%)	0.5	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	48	η down (%)	99.5	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:30/09/2025

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	356.8	524.3	561.5	587.8	735.3	533.3	512.1	493.2	0- 10	72.39	72.39	39.4, 39.4
20	46.57	127.9	151.1	180.2	225.7	121.9	91.55	82.55	10- 20	75.36	147.7	80.4, 80.4
30	7.947	21.20	25.04	47.90	56.95	16.59	11.55	10.14	20- 30	28.44	176.2	95.9, 95.9
40	1.731	2.214	2.522	2.740	3.632	2.088	2.303	2.424	30- 40	5.580	181.8	98.9, 98.9
50	0.3244	0.3870	0.3481	0.3112	0.5366	0.3286	0.4133	0.5082	40- 50	0.9144	182.7	99.4, 99.4
60	0.0473	0.0317	0.0425	0.0354	0.0327	0.0458	0.0319	0.0606	50- 60	0.1400	182.8	99.5, 99.5
70	0.0472	0.0317	0.0389	0.0354	0.0327	0.0388	0.0319	0.0390	60- 70	0.0372	182.9	99.5, 99.5
80	0.0364	0.0317	0.0354	0.0354	0.0327	0.0353	0.0319	0.0354	70- 80	0.0368	182.9	99.5, 99.5
90	0.0327	0.0317	0.0354	0.0354	0.0327	0.0353	0.0319	0.0319	80- 90	0.0367	182.9	99.5, 99.5
100	0.0327	0.0353	0.0319	0.0354	0.0364	0.0353	0.0319	0.0319	90-100	0.0366	183.0	99.5, 99.5
110	0.0327	0.0353	0.0319	0.0354	0.0364	0.0353	0.0354	0.0319	100-110	0.0361	183.0	99.6, 99.6
120	0.0327	0.0388	0.0319	0.0390	0.0400	0.0353	0.0425	0.0319	110-120	0.0353	183.0	99.6, 99.6
130	0.0435	0.0565	0.0319	0.0497	0.0581	0.0353	0.0709	0.0531	120-130	0.0371	183.1	99.6, 99.6
140	0.1489	0.1236	0.0743	0.1029	0.1128	0.1232	0.1771	0.1628	130-140	0.0623	183.1	99.6, 99.6
150	0.4433	0.3387	0.2722	0.2909	0.2876	0.3522	0.4074	0.4108	140-150	0.1368	183.3	99.7, 99.7
160	0.7815	0.6524	0.6049	0.6241	0.6075	0.6521	0.7117	0.6980	150-160	0.2297	183.5	99.8, 99.8
170	1.014	0.8497	0.9198	0.9217	0.8472	0.8602	0.8706	0.8754	160-170	0.2217	183.7	100, 100
180	0.8980	0.8708	0.8990	0.8755	0.8944	0.8708	0.8706	0.8719	170-180	0.0859	183.8	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 182.39 lm

%lum = 99.2%

%lamp = 99.2%

Conical surface Flux(120deg): 182.82 lm

%lum = 99.5%

%lamp = 99.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3;æ
 Operators:LITPA
 Test Date:30/09/2025

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:0.0000 Freq:60.00Hz

Lamp Flux:183.81x1 lm

NAME: MNY

TYPE: LED

WEIGHT: 0.05KG

SPEC.: 3W

DIM.: 22x19mm

SERIAL No.:

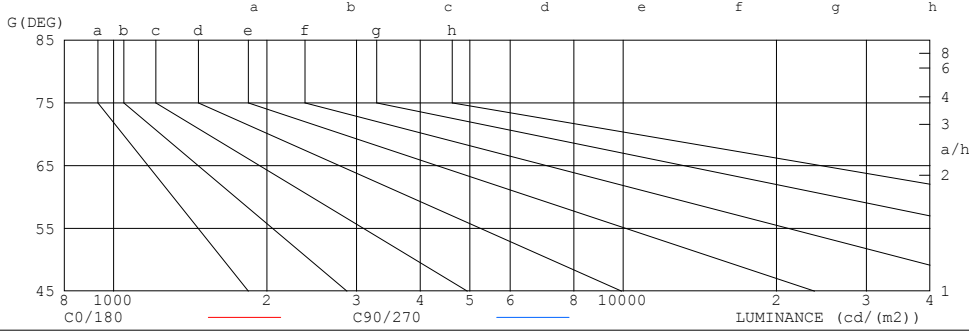
MFR.: LITPA AYDINLATMA

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	2	1
70	1	1
65	1	1
60	1	1
55	3	2
50	5	5
45	12	16

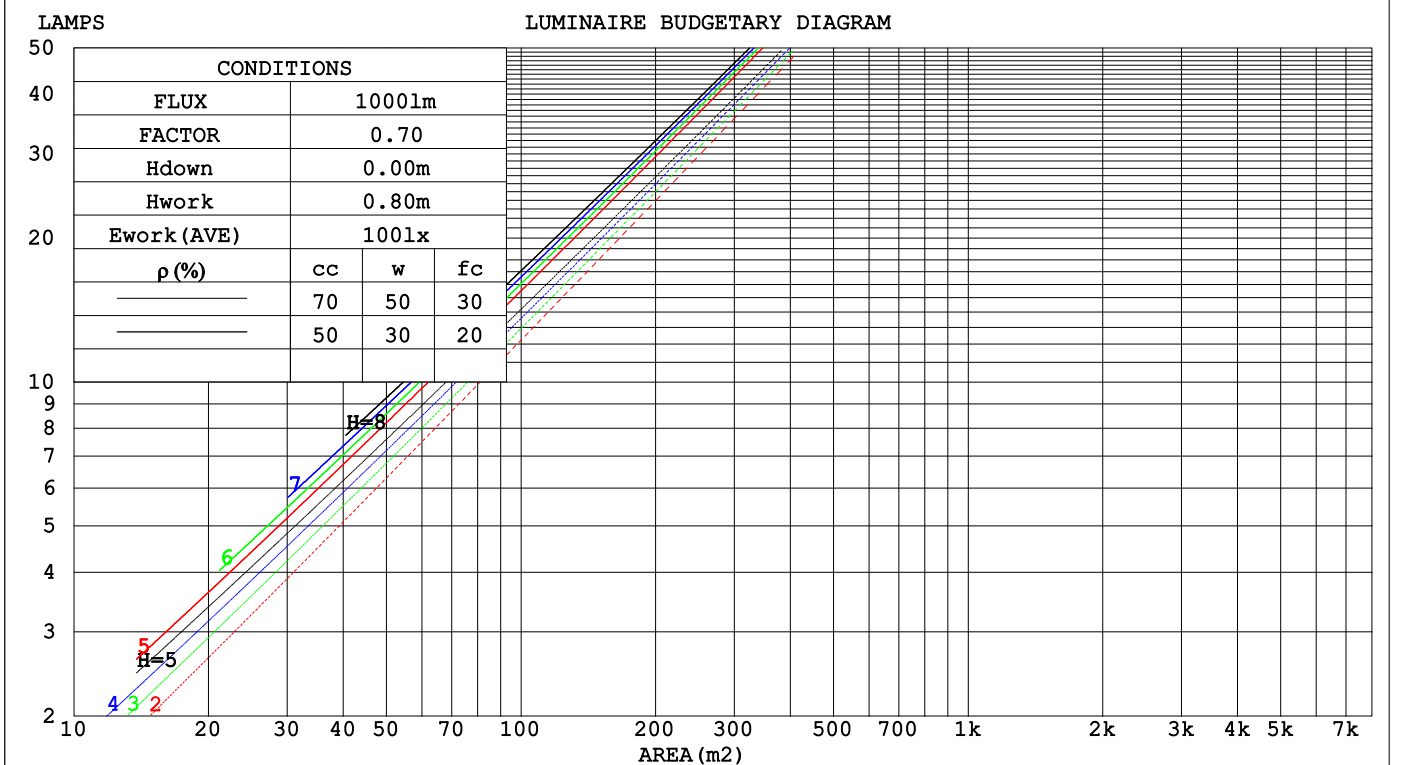
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	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	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.93	.95	.93	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.90	.88	.92	.89	.87	.91	.88	.87	.85
6.0	.93	.89	.86	.92	.89	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.90	.86	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
8.0	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9.0	.85	.81	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.82	.80	.78	.77
10.0	.83	.79	.77	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	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	.134	.076	.024	.127	.072	.023	.114	.066	.021	.103	.059	.019	.092	.053	.017	
2.0	.123	.068	.021	.118	.065	.020	.107	.060	.019	.098	.055	.017	.089	.050	.016	
3.0	.115	.061	.018	.110	.059	.018	.101	.055	.017	.093	.051	.016	.086	.048	.015	
4.0	.107	.056	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.083	.045	.014	
5.0	.101	.051	.015	.098	.050	.015	.091	.048	.014	.086	.045	.013	.080	.043	.013	
6.0	.095	.048	.014	.093	.047	.013	.087	.045	.013	.082	.043	.013	.077	.041	.012	
7.0	.091	.045	.013	.088	.044	.013	.083	.042	.012	.079	.041	.012	.075	.039	.011	
8.0	.086	.042	.012	.084	.041	.012	.080	.040	.011	.076	.039	.011	.073	.037	.011	
9.0	.082	.040	.011	.081	.039	.011	.077	.038	.011	.073	.037	.011	.070	.036	.010	
10.0	.079	.038	.011	.077	.037	.010	.074	.036	.010	.071	.035	.010	.068	.034	.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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.172	.161	.152	.147	.139	.131	.101	.095	.090	.058	.055	.053	.019	.018	.017	
2.0	.153	.136	.122	.131	.117	.106	.090	.081	.074	.052	.047	.043	.017	.015	.014	
3.0	.138	.117	.100	.119	.101	.087	.081	.070	.061	.047	.041	.036	.015	.013	.012	
4.0	.126	.102	.083	.108	.088	.072	.074	.061	.051	.043	.036	.030	.014	.012	.010	
5.0	.115	.089	.070	.099	.077	.061	.068	.054	.043	.039	.032	.026	.013	.010	.008	
6.0	.106	.079	.060	.091	.069	.052	.063	.048	.037	.036	.028	.022	.012	.009	.007	
7.0	.098	.071	.052	.085	.061	.045	.058	.043	.032	.034	.025	.019	.011	.008	.006	
8.0	.092	.064	.045	.079	.056	.039	.055	.039	.028	.032	.023	.017	.010	.008	.006	
9.0	.086	.058	.040	.074	.051	.035	.051	.036	.025	.030	.021	.015	.010	.007	.005	
10.0	.081	.054	.035	.070	.047	.031	.049	.033	.022	.028	.019	.013	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm										
NAME: MNY					TYPE: LED			WEIGHT: 0.05KG		
SPEC.: 3W					DIM.: 22x19mm			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	-10.2	-9.6	-10.0	-9.4	-9.3	-6.1	-5.4	-5.9	-5.3	-5.1
3H	-10.3	-9.8	-10.1	-9.6	-9.4	-6.2	-5.6	-6.0	-5.4	-5.2
4H	-10.4	-9.8	-10.1	-9.6	-9.4	-6.3	-5.7	-6.0	-5.5	-5.3
6H	-10.4	-9.9	-10.1	-9.7	-9.4	-6.3	-5.8	-6.1	-5.6	-5.3
8H	-10.4	-9.9	-10.1	-9.7	-9.4	-6.4	-5.9	-6.1	-5.6	-5.4
12H	-10.4	-9.9	-10.1	-9.7	-9.4	-6.4	-5.9	-6.1	-5.6	-5.4
4H 2H	-10.4	-9.9	-10.2	-9.7	-9.4	-6.3	-5.7	-6.0	-5.5	-5.3
3H	-10.6	-10.1	-10.3	-9.8	-9.5	-6.4	-6.0	-6.1	-5.7	-5.4
4H	-10.6	-10.2	-10.3	-9.9	-9.6	-6.5	-6.1	-6.2	-5.8	-5.5
6H	-10.6	-10.2	-10.3	-9.9	-9.6	-6.6	-6.2	-6.2	-5.9	-5.5
8H	-10.6	-10.3	-10.2	-9.9	-9.5	-6.6	-6.3	-6.3	-5.9	-5.6
12H	-10.6	-10.2	-10.2	-9.9	-9.5	-6.7	-6.3	-6.3	-5.9	-5.6
8H 4H	-10.8	-10.4	-10.4	-10.0	-9.7	-6.7	-6.3	-6.3	-6.0	-5.6
6H	-10.8	-10.4	-10.3	-10.0	-9.6	-6.8	-6.5	-6.3	-6.1	-5.6
8H	-10.7	-10.4	-10.2	-10.0	-9.6	-6.8	-6.5	-6.3	-6.1	-5.6
12H	-10.6	-10.3	-10.1	-9.9	-9.4	-6.8	-6.6	-6.3	-6.1	-5.6
12H 4H	-10.8	-10.5	-10.4	-10.1	-9.7	-6.7	-6.4	-6.3	-6.0	-5.6
6H	-10.8	-10.5	-10.3	-10.1	-9.6	-6.8	-6.5	-6.4	-6.1	-5.7
8H	-10.7	-10.5	-10.2	-10.0	-9.6	-6.8	-6.6	-6.4	-6.2	-5.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / - 6.8					+ 3.8 / - 8.6				
1.5H	+ 4.6 / - 5.8					+ 6.0 / - 7.8				
2.0H	+ 5.1 / - 3.2					+ 6.5 / - 3.6				

CIE Pub.117, 183.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.9)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

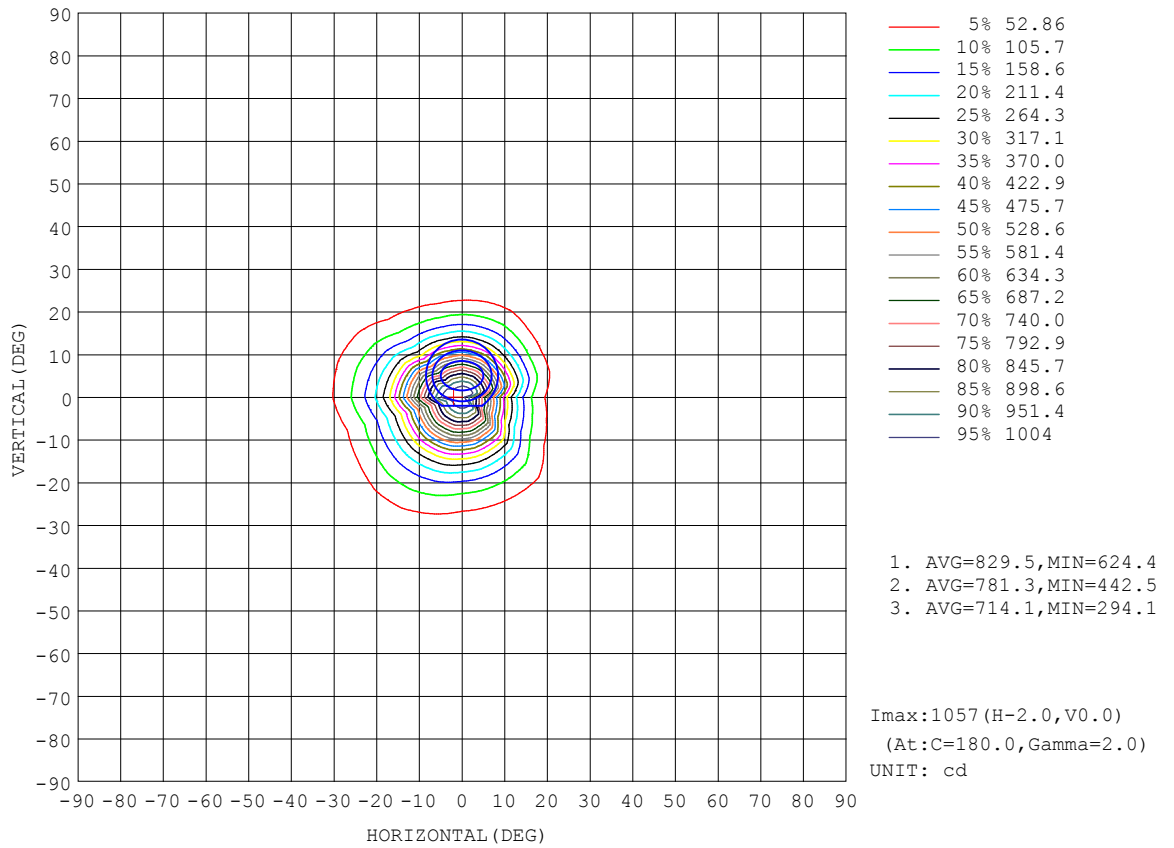
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	109	108	107	100
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: 30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

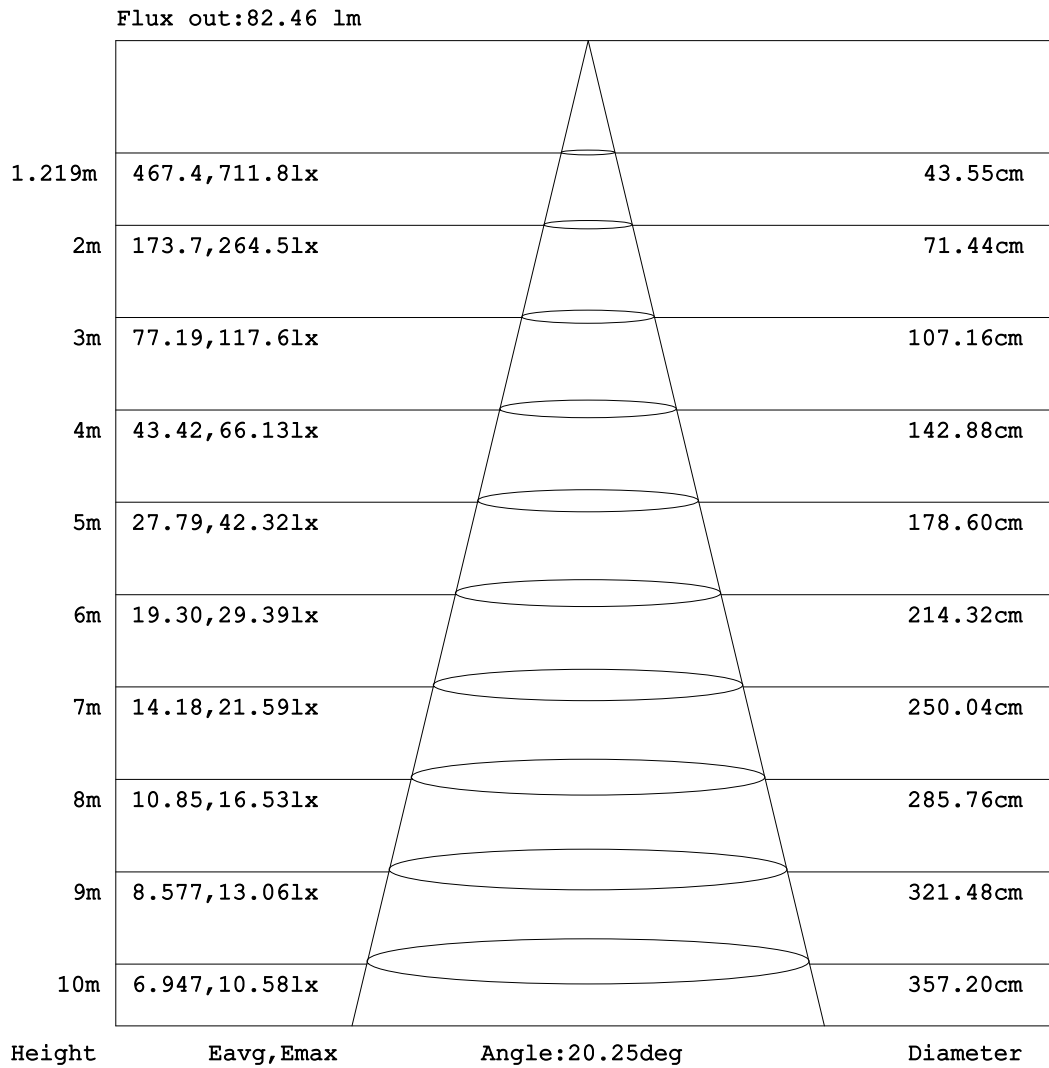


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



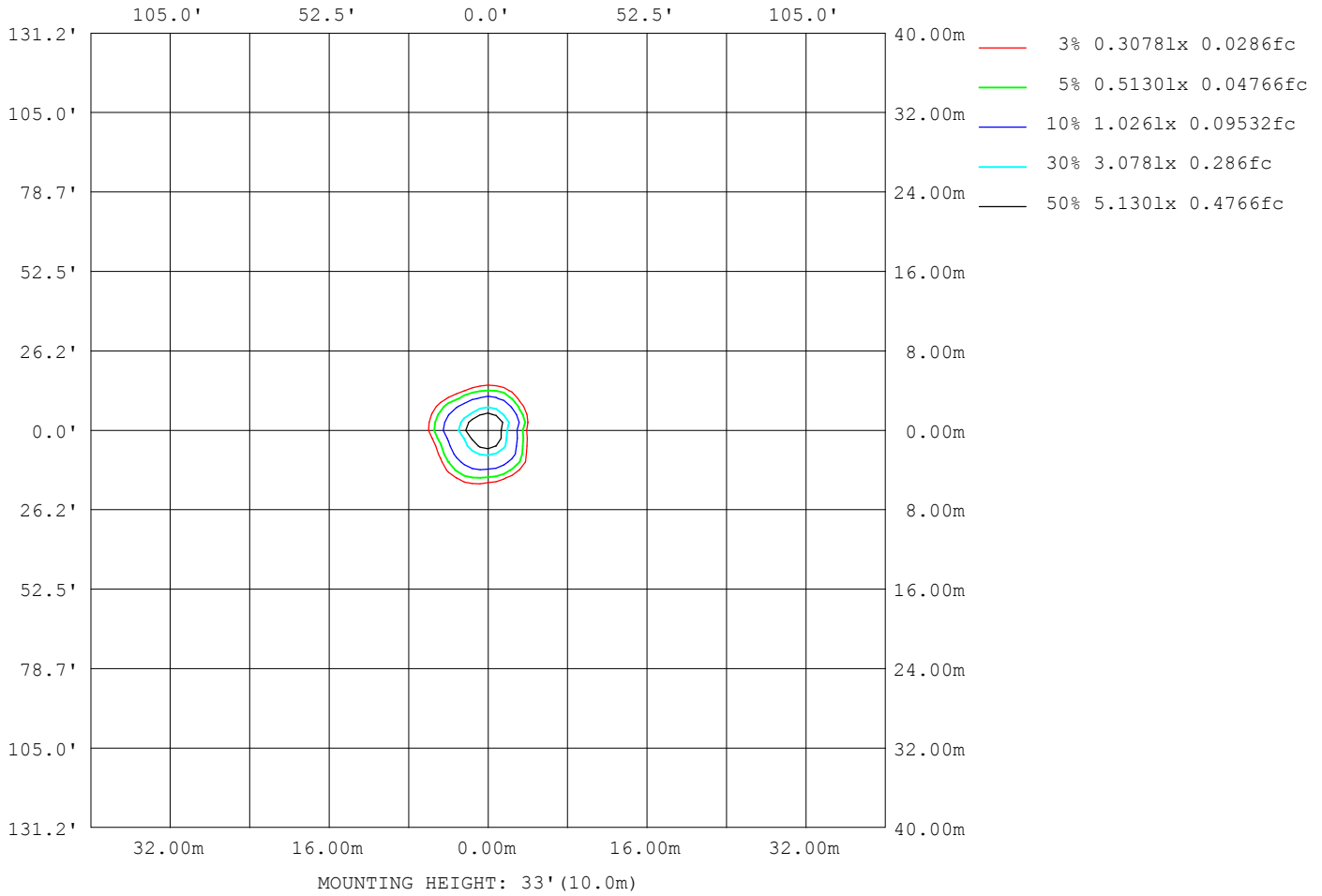
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	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:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

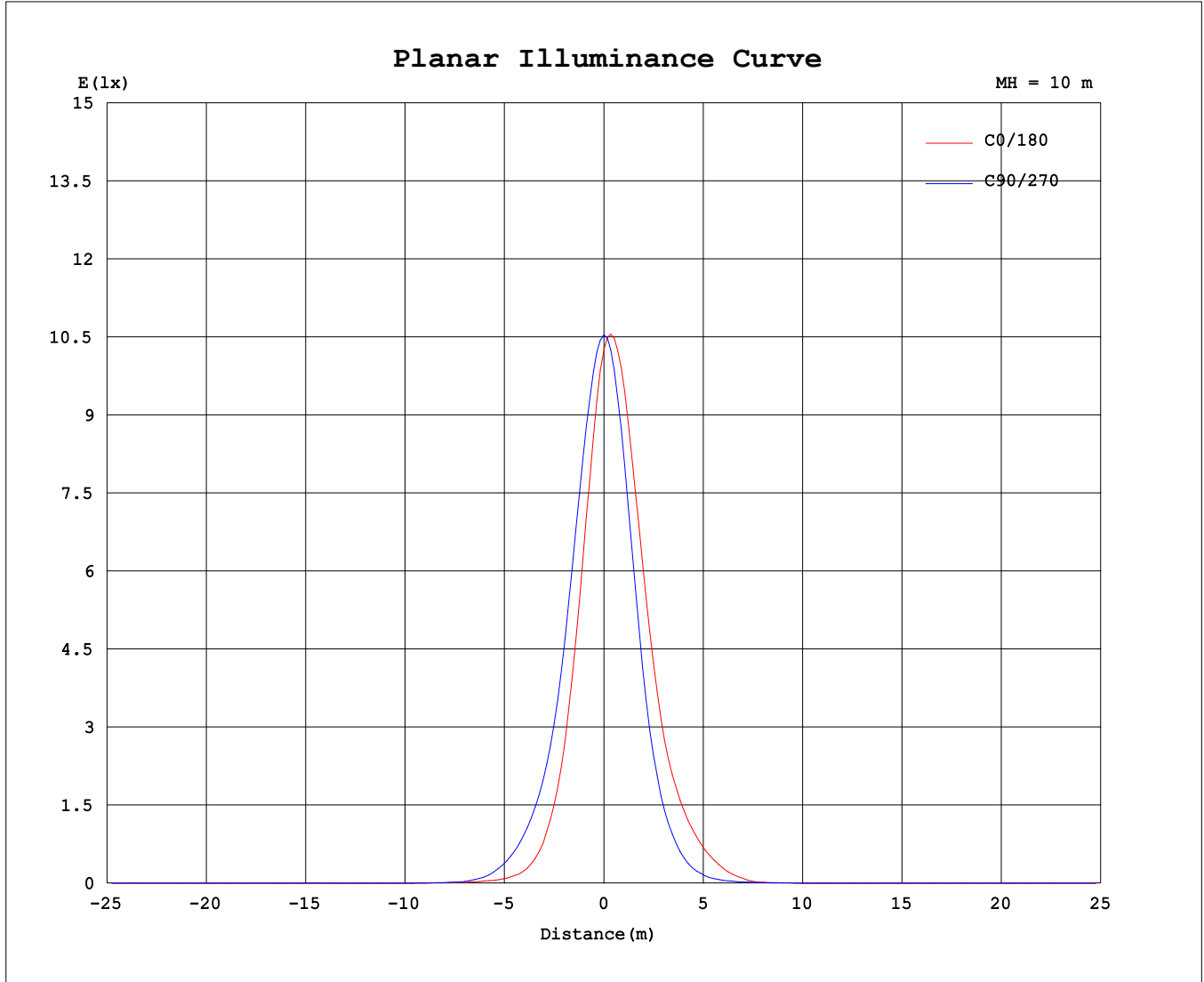
AvgL	cd/m2
L_0~180 (65) av	1
L_0~180 (75) av	1
L_0~180 (85) av	4
L_90~270 (65) av	1
L_90~270 (75) av	1
L_90~270 (85) av	4
L_45 (65) av	1
L_45 (75) av	1
L_45 (85) av	4

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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: 30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm																		
NAME: MNY									TYPE: LED					WEIGHT: 0.05KG				
SPEC.: 3W									DIM.: 22x19mm					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	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048
5	727	743	766	874	874	887	883	891	888	892	887	887	1023	998	983	877	881	871	878
10	357	383	408	524	533	558	562	579	580	588	578	574	735	695	663	533	529	508	512
15	139	160	186	262	270	285	292	309	313	322	314	308	417	383	348	254	241	224	229
20	46.6	59.1	80.3	128	137	144	151	167	178	180	175	170	226	206	178	122	103	90.2	91.6
25	17.4	20.5	30.7	60.1	63.5	67.0	71.1	87.6	99.3	102	91.9	85.8	123	114	91.3	51.6	38.5	31.3	31.9
30	7.95	8.42	10.3	21.2	21.8	22.5	25.0	35.8	46.6	47.9	36.5	32.4	56.9	54.7	39.9	16.6	12.3	11.3	11.6
35	3.81	3.89	4.04	6.23	6.05	6.08	6.46	7.84	9.09	8.35	6.24	5.92	18.1	18.6	12.6	5.50	5.12	4.86	4.93
40	1.73	1.82	1.85	2.21	2.17	2.37	2.52	2.82	2.70	2.74	2.57	2.47	3.63	3.38	3.15	2.09	2.13	2.18	2.30
45	0.85	0.89	0.92	1.03	0.96	0.99	1.11	1.19	1.23	1.25	1.19	1.10	1.52	1.39	1.28	0.93	0.93	1.01	1.09
50	0.32	0.30	0.33	0.39	0.38	0.34	0.35	0.34	0.37	0.31	0.32	0.29	0.54	0.50	0.42	0.33	0.35	0.41	0.41
55	0.16	0.15	0.17	0.13	0.15	0.09	0.11	0.07	0.09	0.07	0.08	0.07	0.13	0.17	0.14	0.13	0.11	0.17	0.15
60	0.05	0.03	0.05	0.03	0.05	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.05	0.03	0.05	0.03	0.05	0.03
65	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03
70	0.05	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03
75	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03
80	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03
85	0.03	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.03
90	0.03	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.03
95	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.03
100	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.03	0.04	0.03
105	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.03	0.04	0.04
110	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
115	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
120	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
125	0.03	0.05	0.03	0.05	0.04	0.04	0.03	0.04	0.03	0.05	0.03	0.04	0.04	0.03	0.05	0.04	0.05	0.04	0.06
130	0.04	0.08	0.04	0.06	0.04	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.06	0.03	0.06	0.04	0.07	0.04	0.07
135	0.08	0.11	0.08	0.08	0.04	0.07	0.03	0.07	0.03	0.06	0.03	0.07	0.07	0.04	0.08	0.07	0.10	0.07	0.11
140	0.15	0.17	0.12	0.12	0.08	0.11	0.07	0.10	0.07	0.10	0.07	0.10	0.11	0.08	0.12	0.12	0.16	0.13	0.18
145	0.27	0.29	0.23	0.21	0.18	0.19	0.14	0.17	0.14	0.17	0.14	0.18	0.18	0.15	0.20	0.20	0.25	0.23	0.27
150	0.44	0.45	0.38	0.34	0.29	0.31	0.27	0.29	0.26	0.29	0.26	0.30	0.29	0.26	0.32	0.35	0.39	0.37	0.41
155	0.62	0.63	0.55	0.50	0.45	0.48	0.43	0.46	0.42	0.45	0.42	0.46	0.44	0.42	0.47	0.51	0.55	0.53	0.57
160	0.78	0.80	0.71	0.65	0.61	0.64	0.60	0.63	0.59	0.62	0.59	0.63	0.61	0.58	0.64	0.65	0.71	0.69	0.71
165	0.92	0.94	0.87	0.78	0.73	0.79	0.76	0.79	0.75	0.79	0.75	0.79	0.76	0.73	0.79	0.79	0.84	0.82	0.82
170	1.01	1.03	0.97	0.85	0.81	0.88	0.92	0.94	0.90	0.92	0.88	0.92	0.85	0.82	0.87	0.86	0.87	0.87	0.87
175	1.05	1.01	1.01	0.87	0.81	0.92	0.99	0.97	0.98	0.96	0.98	0.94	0.87	0.84	0.87	0.86	0.86	0.87	0.87
180	0.90	0.89	0.89	0.87	0.84	0.87	0.90	0.89	0.88	0.88	0.87	0.87	0.89	0.89	0.89	0.87	0.85	0.87	0.87

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;ø
Operators:LITPA
Test Date:30/09/2025

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:0.0000 Freq:60.00Hz Lamp Flux:183.81x1 lm		
NAME: MNY	TYPE: LED	WEIGHT: 0.05KG
SPEC.: 3W	DIM.: 22x19mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1048	1048	1048	1048	1048														
5	868	874	868	874	871														
10	499	506	493	497	496														
15	221	224	212	210	205														
20	92.5	94.4	82.5	73.4	70.2														
25	34.3	35.3	27.9	24.1	22.9														
30	10.8	12.6	10.1	10.1	10.3														
35	4.79	5.02	5.01	5.54	5.01														
40	2.32	2.45	2.42	2.44	2.44														
45	1.15	1.24	1.19	1.16	1.17														
50	0.50	0.51	0.51	0.50	0.48														
55	0.19	0.17	0.21	0.17	0.21														
60	0.06	0.04	0.06	0.03	0.06														
65	0.04	0.03	0.04	0.03	0.04														
70	0.04	0.03	0.04	0.03	0.04														
75	0.04	0.03	0.04	0.03	0.04														
80	0.04	0.03	0.04	0.03	0.04														
85	0.04	0.03	0.03	0.03	0.04														
90	0.03	0.03	0.03	0.03	0.04														
95	0.03	0.03	0.03	0.03	0.04														
100	0.03	0.04	0.03	0.04	0.03														
105	0.03	0.04	0.03	0.04	0.03														
110	0.03	0.04	0.03	0.04	0.03														
115	0.03	0.04	0.03	0.04	0.03														
120	0.03	0.04	0.03	0.05	0.03														
125	0.03	0.06	0.03	0.05	0.03														
130	0.05	0.08	0.05	0.07	0.04														
135	0.08	0.12	0.08	0.12	0.08														
140	0.14	0.18	0.16	0.19	0.15														
145	0.25	0.29	0.26	0.29	0.25														
150	0.39	0.42	0.41	0.43	0.40														
155	0.53	0.57	0.55	0.59	0.55														
160	0.68	0.71	0.70	0.75	0.70														
165	0.77	0.81	0.81	0.87	0.82														
170	0.82	0.85	0.88	0.87	0.87														
175	0.82	0.85	0.87	0.85	0.87														
180	0.87	0.87	0.87	0.87	0.85														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:30/09/2025

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