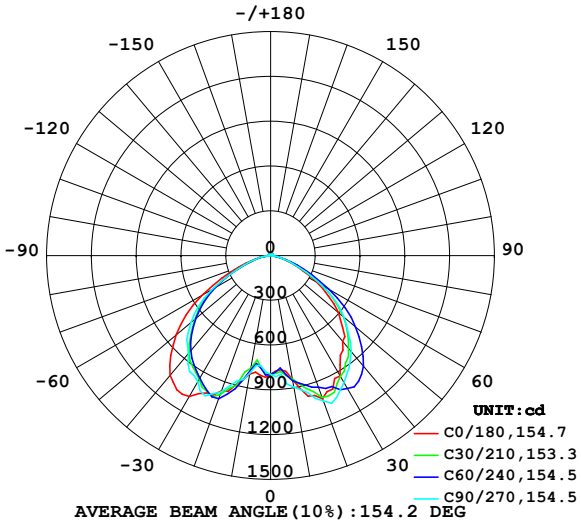
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

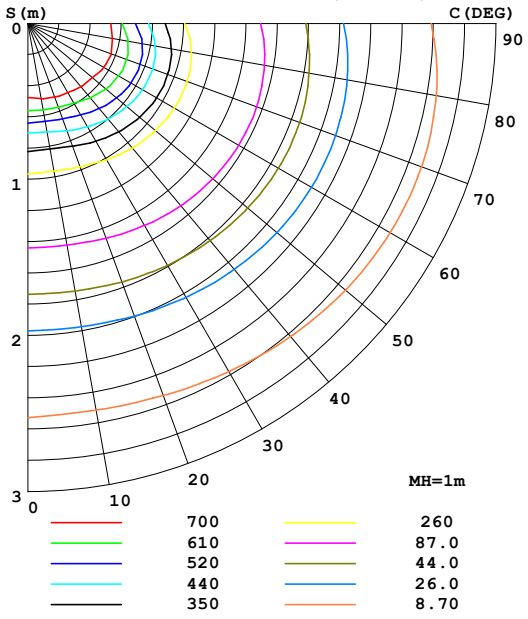
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 141.22 lm/W	
MODEET01-60 50 40 30 20W-TCP		Imax(cd)	1125	S/MH(C0/180)	1.75
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.64
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3046.2	η UP,DN(C0-180)	1.2,47.3
NOMINAL FLUX(lm)	3046.16	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,50.2
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	97.4	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(10%):154.2 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	841.4	844.1	893.9	906.2	805.9	772.1	797.4	840.8	0- 10	76.58	76.58	2.51,2.51
20	1020	974.9	1037	1069	963.8	1006	973.1	966.0	10- 20	263.1	339.7	11.2,11.2
30	932.2	981.4	982.9	1026	1090	953.7	974.9	1041	20- 30	468.3	808.0	26.5,26.5
40	750.7	889.6	842.9	884.1	1047	841.0	858.4	955.0	30- 40	594.5	1403	46,46
50	593.5	690.3	643.4	691.3	826.0	657.2	695.3	748.2	40- 50	613.8	2016	66.2,66.2
60	357.1	420.1	389.2	407.8	525.5	437.5	451.7	461.0	50- 60	508.8	2525	82.9,82.9
70	152.6	173.1	163.8	175.2	228.4	190.1	191.3	201.1	60- 70	294.9	2820	92.6,92.6
80	43.95	45.85	48.32	52.72	72.04	56.66	59.78	63.08	70- 80	117.5	2937	96.4,96.4
90	10.49	9.984	9.409	10.66	14.96	11.03	11.01	10.84	80- 90	30.66	2968	97.4,97.4
100	10.34	10.63	9.978	11.01	15.76	11.24	11.63	11.04	90-100	12.04	2980	97.8,97.8
110	10.87	10.91	11.31	11.80	15.29	11.92	11.91	11.91	100-110	12.26	2992	98.2,98.2
120	11.49	11.08	12.10	12.22	13.34	12.00	11.93	12.85	110-120	11.92	3004	98.6,98.6
130	11.95	11.69	12.31	12.40	13.07	12.30	12.46	13.75	120-130	11.01	3015	99,99
140	12.48	12.30	13.21	13.19	13.99	13.05	13.19	15.00	130-140	9.947	3025	99.3,99.3
150	13.55	13.04	13.01	13.07	13.30	13.56	14.75	16.14	140-150	8.504	3034	99.6,99.6
160	14.64	13.75	14.04	14.51	14.18	13.79	14.27	16.81	150-160	6.583	3040	99.8,99.8
170	15.84	14.91	15.50	15.73	15.41	14.87	15.79	16.79	160-170	4.266	3045	100,100
180	16.36	15.55	16.01	16.61	16.35	15.53	16.02	16.62	170-180	1.508	3046	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1715 lm

%lum = 56.3%
%lamp = 56.3%

Conical surface Flux(130deg): 2700.1 lm

%lum = 88.6%
%lamp = 88.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

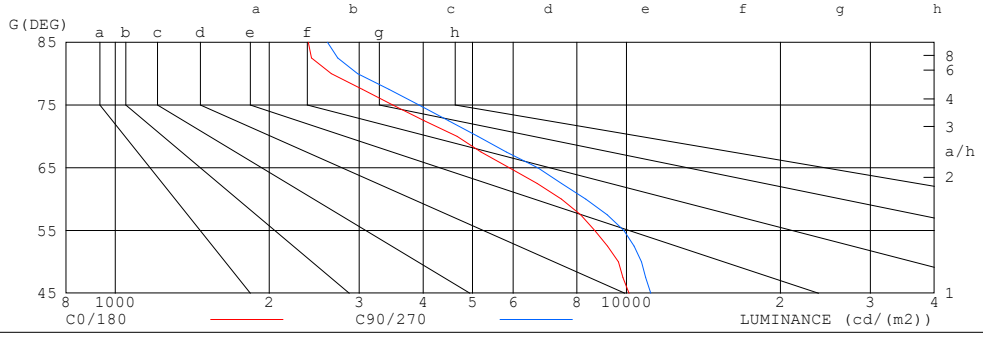
γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz **UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm**		
NAME: PT01-60 50 40 30 20W-TCP	**TYPE:**	**WEIGHT:**
SPEC.: 120-277V	**DIM.: 0.215*0.29**	**SERIAL No.:**
MFR.:	**SUR.: 0.215*0.29**	**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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2385	2602
80	2645	2976
75	3491	3929
70	4662	5121
65	5901	6710
60	7464	8323
55	8671	9877
50	9649	10703
45	10113	11160

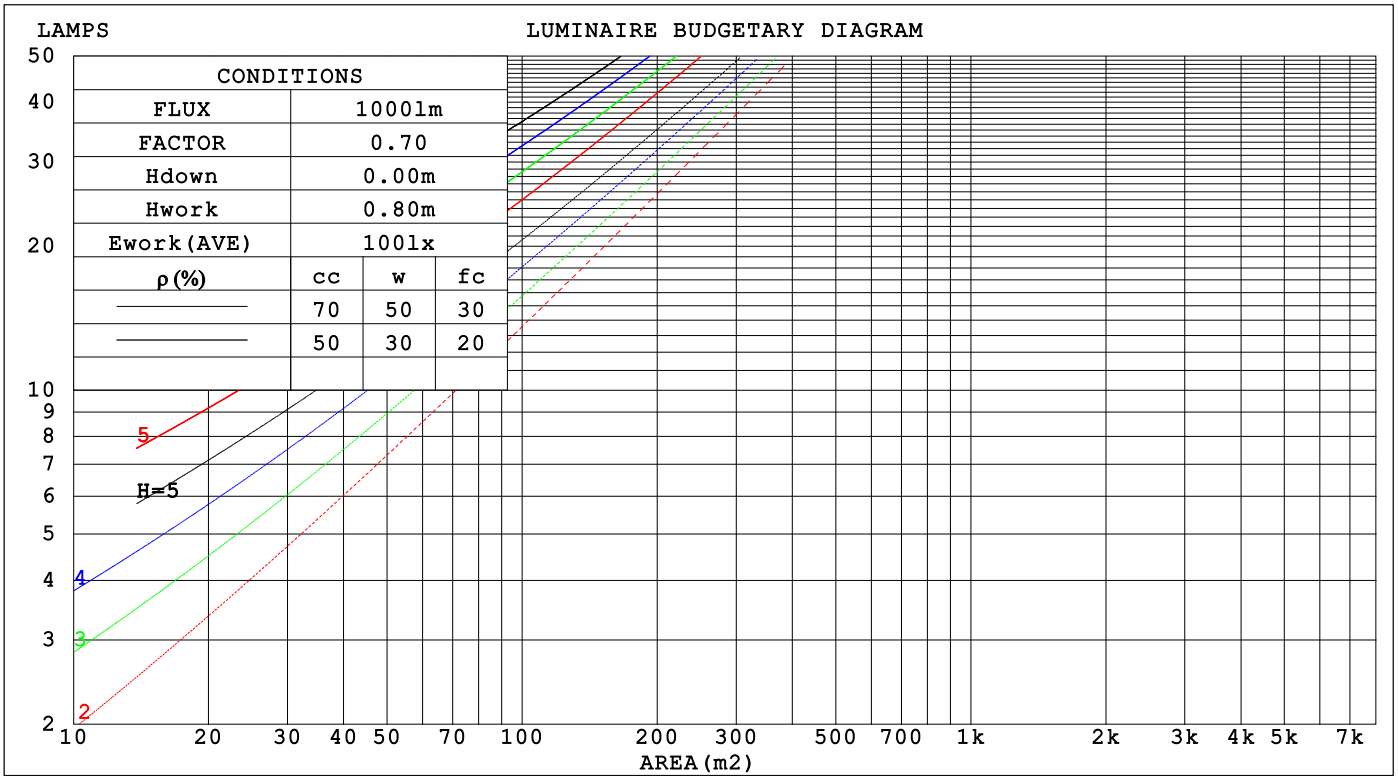
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.93	.91	.89	.89	.87	.86	.83
2.0	.92	.86	.80	.90	.84	.79	.86	.81	.77	.82	.78	.75	.79	.76	.73	.70
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.65	.59	.54	.62	.57	.53	.51
5.0	.64	.55	.49	.63	.55	.48	.60	.53	.48	.58	.52	.47	.56	.51	.46	.44
6.0	.58	.49	.42	.56	.48	.42	.54	.47	.42	.53	.46	.41	.51	.45	.41	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.282	.161	.051	.275	.157	.050	.260	.149	.048	.247	.142	.046	.234	.136	.044	
2.0	.272	.149	.046	.265	.146	.045	.252	.140	.044	.240	.135	.042	.229	.130	.041	
3.0	.255	.136	.041	.249	.134	.040	.238	.129	.039	.227	.125	.038	.218	.120	.037	
4.0	.239	.124	.036	.233	.122	.036	.223	.118	.035	.214	.115	.035	.205	.111	.034	
5.0	.223	.114	.033	.218	.112	.033	.209	.109	.032	.200	.106	.031	.192	.103	.031	
6.0	.208	.104	.030	.204	.103	.030	.196	.100	.029	.188	.098	.029	.181	.095	.028	
7.0	.195	.096	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.170	.088	.026	
8.0	.183	.089	.025	.179	.088	.025	.173	.086	.025	.166	.084	.024	.160	.082	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.162	.078	.022	.159	.077	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.198	.176	.156	.169	.151	.134	.116	.104	.093	.067	.060	.054	.021	.019	.017	
2.0	.189	.152	.120	.162	.131	.104	.111	.090	.073	.064	.053	.043	.021	.017	.014	
3.0	.182	.134	.096	.156	.116	.083	.107	.080	.059	.062	.047	.035	.020	.015	.011	
4.0	.174	.121	.080	.150	.104	.069	.103	.073	.049	.059	.043	.029	.019	.014	.010	
5.0	.167	.110	.068	.144	.095	.059	.099	.067	.042	.057	.039	.025	.018	.013	.008	
6.0	.161	.102	.060	.138	.088	.052	.095	.062	.037	.055	.036	.022	.018	.012	.007	
7.0	.154	.095	.054	.133	.083	.047	.092	.058	.033	.053	.034	.020	.017	.011	.007	
8.0	.148	.089	.049	.127	.078	.043	.088	.054	.030	.051	.032	.018	.017	.011	.006	
9.0	.142	.085	.046	.122	.073	.040	.085	.052	.028	.049	.030	.017	.016	.010	.006	
10.0	.137	.080	.043	.118	.070	.037	.082	.049	.027	.048	.029	.016	.015	.010	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	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	20.2	21.6	20.5	21.9	22.1	21.0	22.5	21.3	22.7	23.0
3H	20.7	22.1	21.1	22.3	22.6	21.6	22.9	21.9	23.2	23.5
4H	20.9	22.1	21.2	22.4	22.7	21.7	23.0	22.1	23.3	23.6
6H	20.9	22.1	21.2	22.4	22.7	21.8	22.9	22.1	23.3	23.6
8H	20.9	22.0	21.2	22.3	22.7	21.8	22.9	22.1	23.2	23.6
12H	20.9	21.9	21.2	22.3	22.6	21.7	22.8	22.1	23.2	23.5
4H 2H	20.6	21.9	21.0	22.2	22.5	21.3	22.6	21.7	22.9	23.2
3H	21.3	22.4	21.7	22.7	23.1	22.1	23.2	22.5	23.5	23.9
4H	21.5	22.5	21.9	22.8	23.2	22.3	23.3	22.7	23.6	24.0
6H	21.6	22.4	22.0	22.8	23.2	22.4	23.2	22.8	23.6	24.0
8H	21.6	22.4	22.0	22.8	23.2	22.4	23.2	22.8	23.6	24.0
12H	21.6	22.3	22.0	22.7	23.2	22.4	23.1	22.8	23.5	24.0
8H 4H	21.5	22.3	22.0	22.7	23.2	22.3	23.1	22.7	23.5	23.9
6H	21.7	22.3	22.2	22.8	23.3	22.4	23.1	22.9	23.5	24.0
8H	21.7	22.3	22.2	22.8	23.3	22.5	23.1	23.0	23.5	24.0
12H	21.7	22.2	22.3	22.7	23.3	22.5	23.0	23.0	23.5	24.0
12H 4H	21.5	22.2	22.0	22.7	23.1	22.2	23.0	22.7	23.4	23.9
6H	21.7	22.2	22.2	22.7	23.2	22.4	23.0	22.9	23.5	24.0
8H	21.7	22.2	22.2	22.7	23.2	22.5	23.0	23.0	23.5	24.0

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.4 / - 0.5	+ 0.5 / - 0.5
1.5H	+ 0.4 / - 0.9	+ 0.6 / - 0.9
2.0H	+ 0.5 / - 1.0	+ 0.7 / - 1.2

CIE Pub.117, 3046 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.9)
Area: 0.0944 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

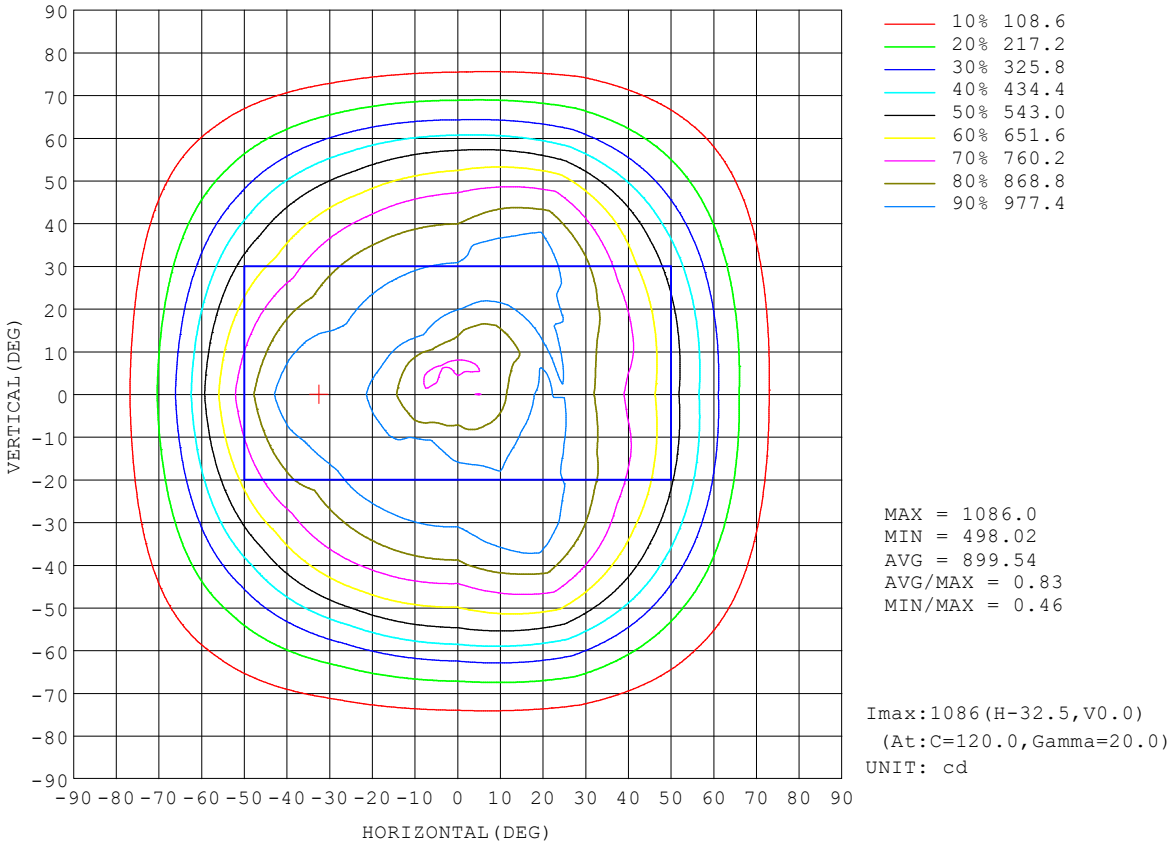
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	46	39	57	46	39	56	45	39	33
0.80	68	57	50	67	56	50	65	55	49	42
1.00	77	66	59	76	66	59	73	67	58	51
1.25	84	74	68	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	84	77	72	64
2.00	96	88	82	94	87	81	90	84	79	72
2.50	100	92	87	98	91	86	94	88	84	75
3.00	103	97	91	101	95	90	96	92	88	79
4.00	107	101	97	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:



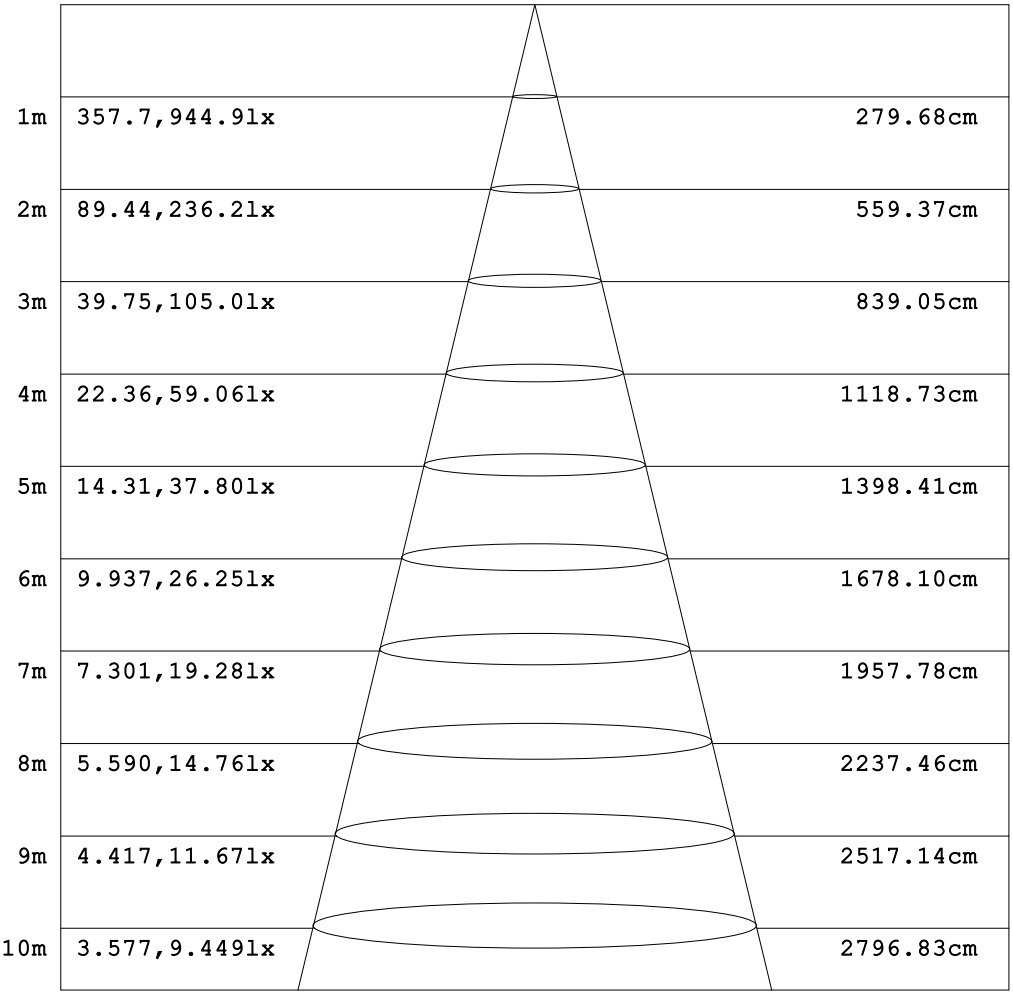
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

Flux out:2292 lm



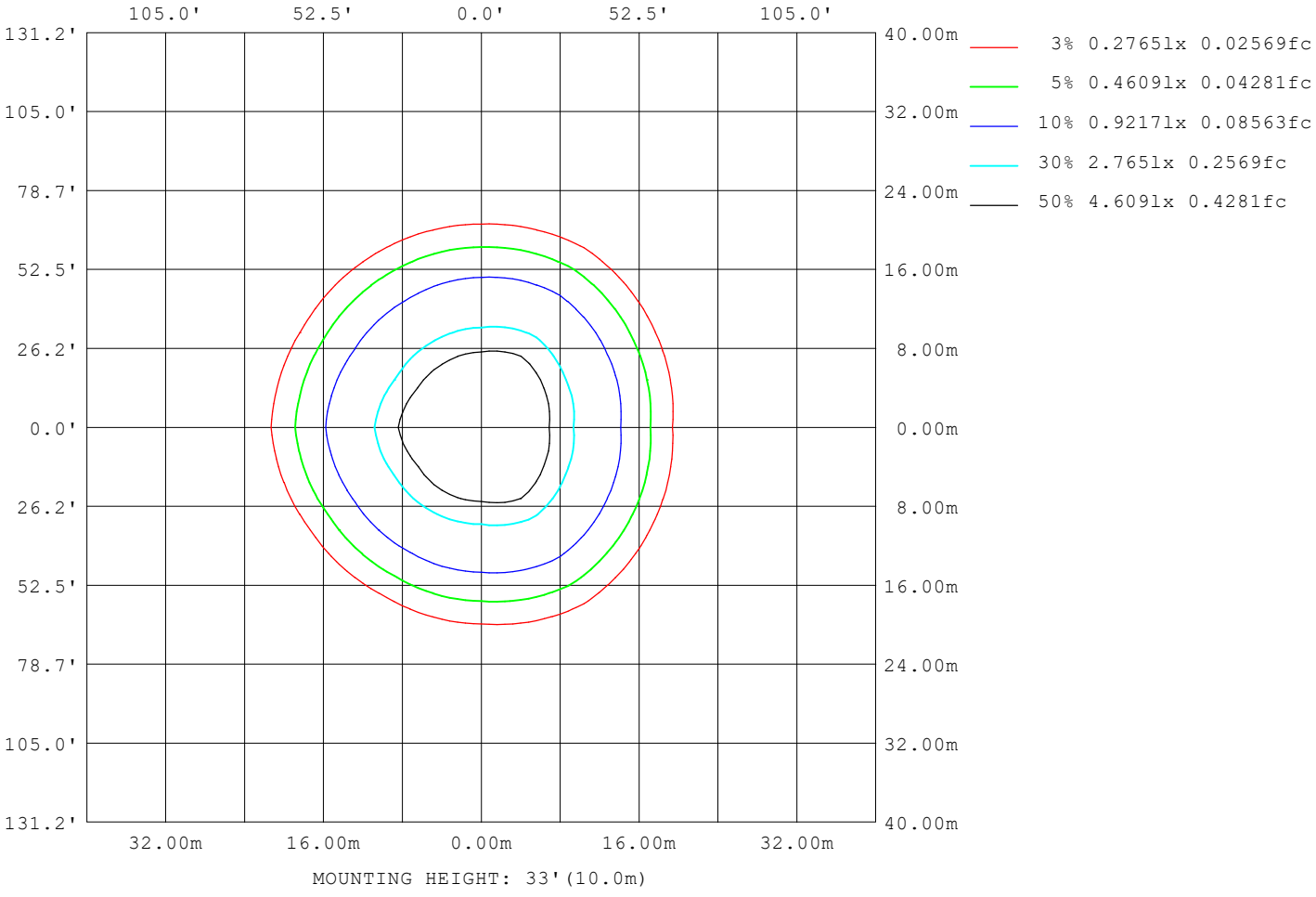
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

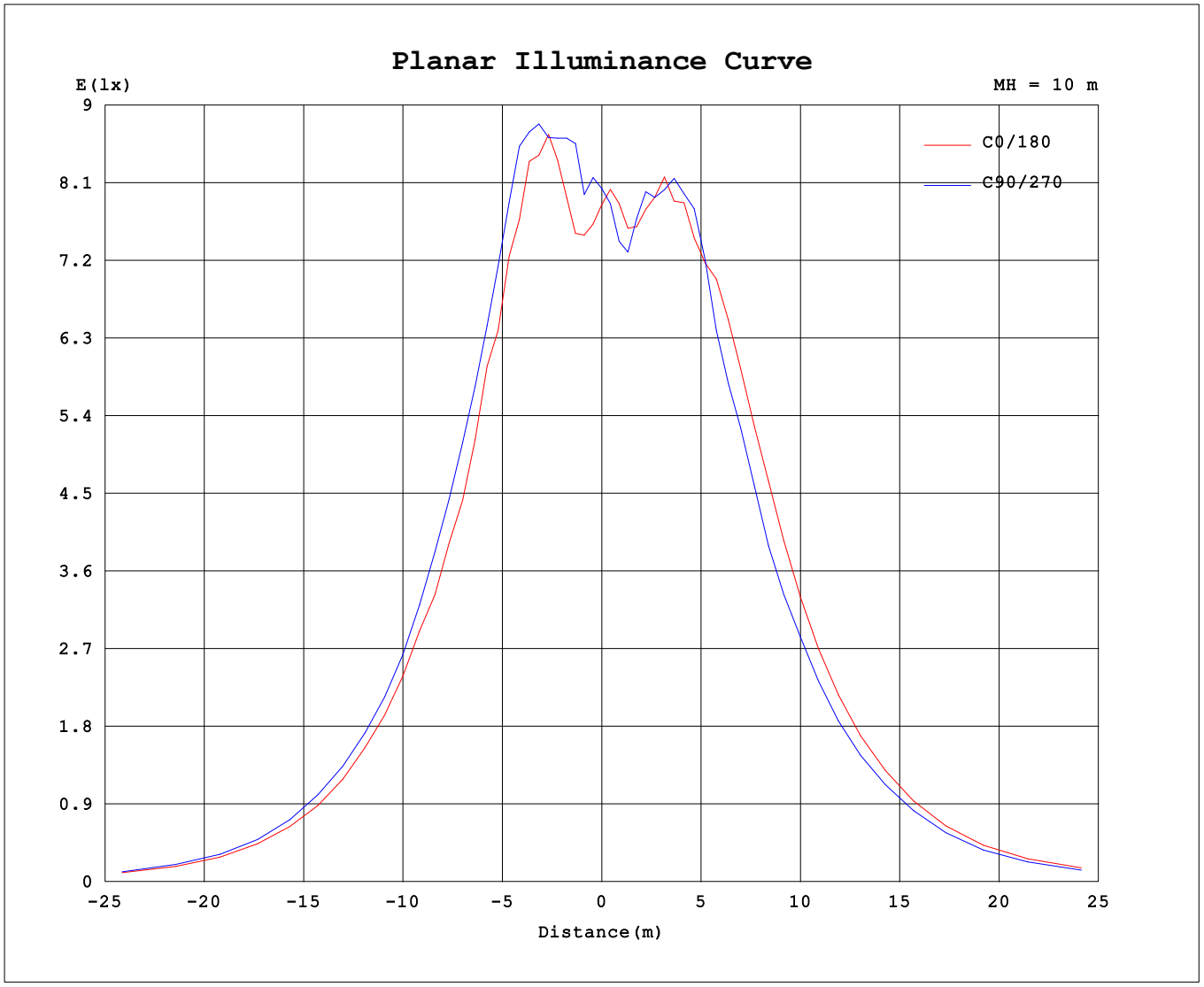
AvgL	cd/m2
L_0~180(65)av	7500
L_0~180(75)av	4528
L_0~180(85)av	3418
L_90~270(65)av	7112
L_90~270(75)av	4254
L_90~270(85)av	3072
L_45(65)av	7394
L_45(75)av	4344
L_45(85)av	3096

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.93V I:0.1846A P:21.570W PF:0.9744 Freq:60.01Hz UTHDi:0.22% ITHDi:9.46% KDisp:0.0000 Lamp Flux:3046.16x1 lm		
NAME: PT01-60 50 40 30 20W-TCP	TYPE:	WEIGHT:
SPEC.: 120-277V	DIM.: 0.215*0.29	SERIAL No.:
MFR.:	SUR.: 0.215*0.29	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	796	796	796	796	796	796	796	796	796	796	796	796							
5	768	780	757	798	889	803	806	751	759	744	812	811							
10	841	836	852	894	987	828	806	767	777	797	854	828							
15	974	923	897	948	1100	945	892	902	924	872	849	874							
20	1020	1011	939	1037	1125	1015	964	992	1020	973	963	969							
25	987	1010	969	1048	1098	1035	1016	1007	1003	1038	1058	1010							
30	932	934	1028	983	1046	1007	1090	959	949	975	1103	981							
35	816	878	1028	918	977	949	1096	911	895	948	1114	913							
40	751	810	968	843	894	874	1047	849	833	858	1053	860							
45	684	728	862	738	798	797	946	759	751	795	963	763							
50	593	636	744	643	688	695	826	662	652	695	838	661							
55	476	521	610	530	550	569	692	565	548	591	695	553							
60	357	391	449	389	396	419	525	446	429	452	512	412							
65	239	262	303	265	267	290	360	306	298	302	348	283							
70	153	158	188	164	168	182	228	194	186	191	221	182							
75	86.5	86.9	104	95.1	97.9	105	135	111	107	113	132	107							
80	43.9	41.7	49.9	48.3	50.9	54.5	72.0	57.5	55.8	59.8	70.7	55.8							
85	19.9	17.7	20.9	21.2	23.5	26.3	36.3	27.0	27.3	29.3	35.4	26.8							
90	10.5	9.12	10.8	9.41	10.7	10.6	15.0	10.7	11.4	11.0	12.4	9.36							
95	10.4	9.80	10.8	9.56	10.7	10.8	15.4	10.7	11.2	11.4	12.4	9.09							
100	10.3	10.3	10.9	9.98	11.0	11.0	15.8	11.1	11.4	11.6	12.6	9.53							
105	10.6	10.6	11.0	10.6	11.3	11.5	15.8	11.6	11.6	11.8	12.8	10.2							
110	10.9	10.8	11.0	11.3	11.7	11.9	15.3	12.1	11.8	11.9	12.9	11.0							
115	11.2	11.0	11.0	11.9	12.2	12.0	14.3	12.1	12.0	12.0	13.0	11.9							
120	11.5	11.1	11.0	12.1	12.6	11.9	13.3	11.9	12.1	11.9	13.1	12.7							
125	11.7	11.4	11.3	12.3	12.9	11.9	12.9	12.1	12.1	12.2	13.4	13.2							
130	12.0	11.7	11.7	12.3	13.1	11.7	13.1	12.4	12.2	12.5	14.0	13.5							
135	12.2	12.1	12.2	12.6	13.4	11.6	13.4	12.7	12.5	12.6	14.6	14.1							
140	12.5	12.5	12.1	13.2	13.4	12.9	14.0	13.2	12.9	13.2	15.4	14.7							
145	13.0	12.8	12.9	12.4	12.7	12.9	14.5	13.1	13.6	13.9	16.0	15.2							
150	13.6	12.9	13.1	13.0	13.2	12.9	13.3	12.9	14.2	14.8	16.5	15.8							
155	14.1	13.3	13.6	13.4	14.1	13.3	14.7	14.7	13.0	13.7	16.9	16.2							
160	14.6	13.8	13.7	14.0	14.9	14.1	14.2	13.8	13.8	14.3	17.4	16.2							
165	15.2	14.4	14.2	14.8	15.7	14.5	14.7	14.1	14.6	15.6	17.1	16.4							
170	15.8	15.0	14.8	15.5	16.2	15.2	15.4	14.8	15.0	15.8	17.1	16.5							
175	16.3	15.5	15.4	15.9	16.6	15.8	16.0	15.2	15.4	15.9	17.0	16.2							
180	16.4	15.5	15.6	16.0	16.8	16.4	16.3	15.5	15.5	16.0	16.9	16.4							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5	774.8	790.7	780.8	810.8	836.7	793.4	815.7	787.2	801.1	780.8
5.0	768.3	780.1	756.9	798.1	888.6	802.9	805.7	750.9	758.6	743.7
7.5	781.5	811.9	804.2	869.5	895.8	827.6	787.9	705.5	730.3	741.8
10.0	841.4	835.6	852.5	893.9	987.4	828.0	805.9	767.1	777.1	797.4
12.5	910.7	878.1	873.8	917.5	1028	896.6	849.1	796.9	853.2	851.2
15.0	974.0	922.5	896.8	947.9	1100	944.6	892.5	902.0	924.4	871.8
17.5	983.9	956.3	923.7	1003	1109	963.8	954.5	932.5	973.0	915.9
20.0	1020	1011	939.2	1037	1125	1015	963.8	991.9	1020	973.1
22.5	986.5	1017	963.5	1071	1118	1061	1011	1025	1025	1002
25.0	987.3	1010	969.4	1048	1098	1035	1016	1007	1003	1038
27.5	928.5	965.4	1014	1013	1075	1011	1041	994.4	977.0	1022
30.0	932.2	934.5	1028	982.9	1046	1007	1090	958.7	948.8	974.9
32.5	866.5	918.0	1042	948.4	1014	995.5	1101	930.4	921.8	954.7
35.0	815.7	877.9	1028	918.4	977.1	948.7	1096	910.7	895.0	947.9
37.5	797.2	855.6	1002	879.8	937.5	900.9	1072	888.0	866.1	910.8
40.0	750.7	810.2	968.3	842.9	894.5	874.2	1047	848.6	833.4	858.4
42.5	736.7	771.3	918.2	794.3	848.4	845.5	1000	806.5	794.6	823.3
45.0	684.3	728.3	861.9	738.0	797.5	797.5	946.0	758.6	750.9	794.7
47.5	636.3	684.9	804.2	689.2	744.7	748.1	886.3	710.2	702.2	746.8
50.0	593.5	636.2	744.0	643.4	687.8	694.8	826.0	662.2	652.2	695.3
52.5	534.9	576.8	680.8	589.1	624.6	636.9	760.4	613.6	600.3	643.6
55.0	475.9	521.0	610.1	529.8	550.0	569.4	691.5	565.3	548.3	591.2
57.5	418.6	460.5	529.7	460.5	470.5	491.9	612.5	509.7	492.5	528.4
60.0	357.1	391.3	448.7	389.2	395.9	419.3	525.5	445.9	429.1	451.7
62.5	295.5	321.4	371.4	322.2	328.3	349.4	437.9	373.3	362.8	372.2
65.0	238.6	261.8	302.8	265.2	267.1	289.9	359.8	306.3	298.1	302.2
67.5	190.2	202.3	240.7	208.2	212.8	230.5	294.1	246.7	238.2	242.9
70.0	152.6	158.4	187.6	163.8	168.0	182.1	228.4	193.7	186.5	191.3
72.5	115.7	119.1	141.5	126.2	129.6	140.3	177.3	149.0	142.9	148.7
75.0	86.46	86.91	103.7	95.10	97.89	105.1	134.8	111.4	106.8	112.8
77.5	63.02	61.19	73.60	69.38	71.44	76.27	100.3	81.34	78.28	83.52
80.0	43.95	41.72	49.94	48.32	50.91	54.46	72.04	57.50	55.83	59.78
82.5	30.21	27.63	32.76	33.24	36.06	38.74	51.03	39.31	38.91	41.89
85.0	19.89	17.71	20.87	21.21	23.48	26.29	36.35	27.03	27.28	29.34
87.5	11.70	9.921	11.64	10.98	12.46	14.55	24.17	17.63	18.24	18.83
90.0	10.49	9.119	10.84	9.409	10.73	10.60	14.96	10.67	11.38	11.01
92.5	10.40	9.471	10.83	9.441	10.72	10.68	15.19	10.53	11.10	11.13
95.0	10.36	9.802	10.84	9.557	10.74	10.78	15.40	10.69	11.18	11.36
97.5	10.33	10.08	10.89	9.750	10.84	10.90	15.64	10.90	11.27	11.53
100.0	10.34	10.32	10.94	9.978	10.97	11.04	15.76	11.10	11.37	11.63
102.5	10.45	10.50	10.97	10.27	11.13	11.24	15.82	11.35	11.49	11.69
105.0	10.60	10.61	11.00	10.60	11.30	11.46	15.79	11.64	11.57	11.77
107.5	10.73	10.72	11.02	10.94	11.52	11.66	15.70	11.97	11.68	11.85
110.0	10.87	10.80	11.03	11.31	11.74	11.86	15.29	12.07	11.77	11.91
112.5	11.01	10.89	11.03	11.67	11.97	12.00	14.82	12.11	11.88	11.96
115.0	11.18	10.98	11.03	11.95	12.19	12.04	14.33	12.07	11.96	12.04
117.5	11.34	11.04	11.03	12.10	12.40	11.95	13.76	12.01	12.03	12.06
120.0	11.49	11.12	11.04	12.10	12.59	11.87	13.34	11.92	12.07	11.93
122.5	11.63	11.22	11.13	12.18	12.77	11.87	13.05	11.95	12.08	12.01
125.0	11.75	11.36	11.29	12.27	12.92	11.91	12.93	12.08	12.09	12.19
127.5	11.85	11.51	11.48	12.31	13.03	11.96	12.94	12.22	12.14	12.41
130.0	11.95	11.68	11.69	12.31	13.12	11.71	13.07	12.38	12.23	12.46
132.5	12.07	11.86	11.93	12.47	13.28	11.45	13.23	12.51	12.36	12.24
135.0	12.19	12.05	12.19	12.64	13.42	11.58	13.43	12.69	12.48	12.61
137.5	12.32	12.25	12.36	12.85	13.59	12.42	13.68	12.91	12.69	12.89
140.0	12.48	12.46	12.14	13.21	13.45	12.94	13.99	13.16	12.95	13.19
142.5	12.68	12.69	12.39	13.00	12.55	12.58	14.23	13.49	13.23	13.55
145.0	12.96	12.80	12.86	12.37	12.72	12.91	14.46	13.09	13.57	13.92
147.5	13.30	12.86	13.05	12.60	12.89	12.69	14.27	12.20	13.91	14.32
150.0	13.55	12.93	13.14	13.01	13.23	12.91	13.30	12.88	14.24	14.75
152.5	13.76	13.18	13.12	13.68	13.62	13.17	13.36	14.63	13.80	15.17
155.0	14.13	13.29	13.64	13.44	14.12	13.34	14.65	14.66	12.99	13.73
157.5	14.43	13.64	13.49	13.68	14.58	13.74	14.21	13.59	13.44	13.90
160.0	14.64	13.81	13.69	14.04	14.95	14.08	14.18	13.80	13.77	14.27
162.5	15.01	14.04	13.89	14.43	15.27	14.24	14.44	13.92	14.13	15.08
165.0	15.24	14.38	14.17	14.79	15.70	14.54	14.69	14.13	14.56	15.60
167.5	15.46	14.76	14.50	15.14	16.06	14.89	15.05	14.44	14.82	16.64
170.0	15.84	14.99	14.83	15.50	16.23	15.25	15.41	14.75	14.98	15.79
172.5	16.14	15.21	15.11	15.78	16.41	15.56	15.74	15.01	15.22	15.86
175.0	16.25	15.50	15.37	15.89	16.62	15.82	16.01	15.21	15.39	15.88
177.5	16.31	15.55	15.50	15.99	16.77	16.04	16.30	15.36	15.50	15.97
180.0	16.36	15.54	15.55	16.01	16.82	16.40	16.35	15.53	15.54	16.02

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	300.0	330.0
0.0	795.7	795.7
2.5	808.2	778.8
5.0	812.2	810.8
7.5	776.6	787.8
10.0	854.3	827.8
12.5	865.0	850.5
15.0	849.2	874.1
17.5	882.4	880.9
20.0	963.2	968.8
22.5	987.4	976.1
25.0	1058	1010
27.5	1050	983.2
30.0	1103	981.2
32.5	1112	924.5
35.0	1114	913.0
37.5	1083	893.2
40.0	1053	860.2
42.5	1019	816.7
45.0	962.9	763.3
47.5	901.6	709.0
50.0	838.4	661.2
52.5	771.0	610.9
55.0	694.7	553.2
57.5	605.5	484.6
60.0	511.7	412.3
62.5	424.5	345.0
65.0	348.3	283.1
67.5	284.6	229.4
70.0	221.1	181.8
72.5	172.6	144.3
75.0	131.7	106.8
77.5	98.10	78.34
80.0	70.66	55.78
82.5	50.34	39.31
85.0	35.41	26.82
87.5	21.83	15.33
90.0	12.38	9.361
92.5	12.33	9.114
95.0	12.41	9.086
97.5	12.51	9.300
100.0	12.60	9.533
102.5	12.67	9.843
105.0	12.76	10.15
107.5	12.82	10.52
110.0	12.90	10.95
112.5	12.92	11.38
115.0	12.99	11.88
117.5	13.03	12.31
120.0	13.06	12.65
122.5	13.17	12.94
125.0	13.42	13.16
127.5	13.65	13.35
130.0	13.96	13.55
132.5	14.27	13.85
135.0	14.58	14.06
137.5	15.00	14.36
140.0	15.35	14.67
142.5	15.71	14.92
145.0	16.04	15.19
147.5	16.27	15.48
150.0	16.49	15.80
152.5	16.68	16.04
155.0	16.88	16.23
157.5	17.14	16.57
160.0	17.41	16.24
162.5	17.01	16.33
165.0	17.15	16.43
167.5	17.45	16.63
170.0	17.14	16.45
172.5	16.76	16.28
175.0	16.95	16.22
177.5	16.89	16.35
180.0	16.86	16.39

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks: