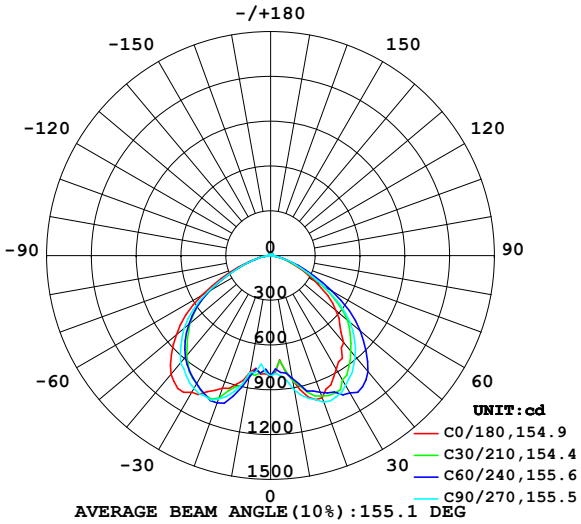
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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:

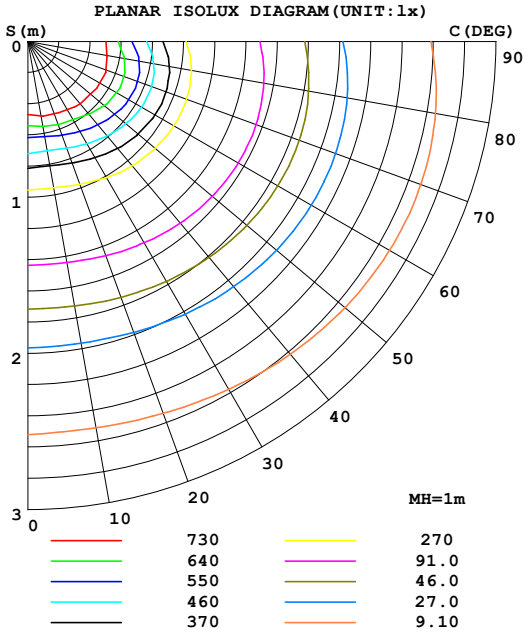
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 145.29 lm/W	
MODEET01-60 50 40 30 20W-TCP		Imax(cd)	1125	S/MH(C0/180)	1.74
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.69
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3151.7	η UP,DN(C0-180)	1.2,46.9
NOMINAL FLUX(lm)	3151.71	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,50.6
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	97.5	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(10%):155.1 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	843.8	843.4	912.9	940.6	793.7	813.8	794.6	829.1	0- 10	77.10	77.10	2.45,2.45
20	1013	988.3	1045	1113	944.2	1032	1022	961.9	10- 20	272.2	349.3	11.1,11.1
30	880.1	1012	1004	1044	1058	992.3	1027	1050	20- 30	475.2	824.5	26.2,26.2
40	761.8	924.7	881.4	914.5	1039	881.6	939.2	991.2	30- 40	612.7	1437	45.6,45.6
50	568.8	728.4	695.7	711.6	825.1	710.3	755.6	793.2	40- 50	638.6	2076	65.9,65.9
60	342.1	434.6	408.9	415.6	530.2	472.9	485.4	483.4	50- 60	531.8	2608	82.7,82.7
70	146.0	181.1	175.1	180.1	231.0	204.7	207.6	213.2	60- 70	308.3	2916	92.5,92.5
80	43.88	49.04	51.80	54.31	72.24	60.50	64.43	66.61	70- 80	123.4	3039	96.4,96.4
90	10.40	10.53	10.02	10.98	14.45	11.35	11.54	11.17	80- 90	32.01	3071	97.5,97.5
100	10.24	11.15	10.67	11.42	15.32	11.55	12.19	11.35	90-100	12.39	3084	97.8,97.8
110	10.74	11.41	12.12	12.31	14.92	12.30	12.52	12.20	100-110	12.64	3096	98.2,98.2
120	11.35	11.58	12.90	12.72	13.05	12.41	12.54	13.20	110-120	12.29	3109	98.6,98.6
130	11.77	12.22	13.06	12.73	12.73	12.73	13.10	14.16	120-130	11.34	3120	99,99
140	12.26	12.81	14.03	13.57	13.60	13.51	13.81	15.38	130-140	10.23	3130	99.3,99.3
150	13.31	13.55	13.74	13.44	13.09	13.98	15.43	16.67	140-150	8.729	3139	99.6,99.6
160	14.38	14.32	14.79	14.93	13.90	14.29	15.04	17.36	150-160	6.772	3146	99.8,99.8
170	15.58	15.50	16.33	16.21	15.12	15.43	16.67	17.31	160-170	4.387	3150	100,100
180	16.08	16.16	16.88	17.13	16.08	16.15	16.89	17.14	170-180	1.552	3152	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1761.2 lm

%lum = 55.9%
%lamp = 55.9%

Conical surface Flux(130deg): 2790.3 lm

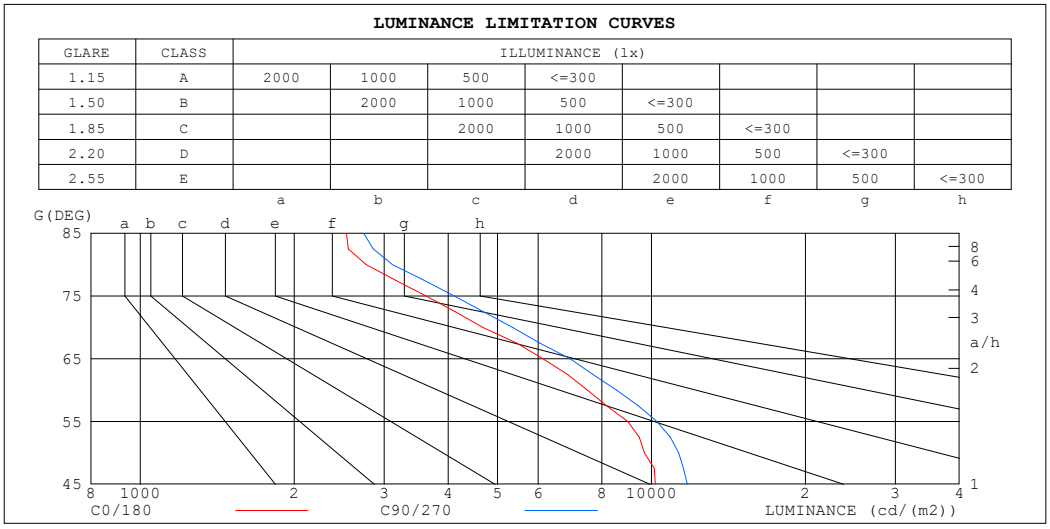
%lum = 88.5%
%lamp = 88.5%

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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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 cd/(m2)		
G(DEG)	C0/180	C90/270
85	2531	2737
80	2768	3115
75	3622	4116
70	4677	5346
65	6132	6934
60	7495	8540
55	8982	10253
50	9692	11302
45	10180	11743

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:

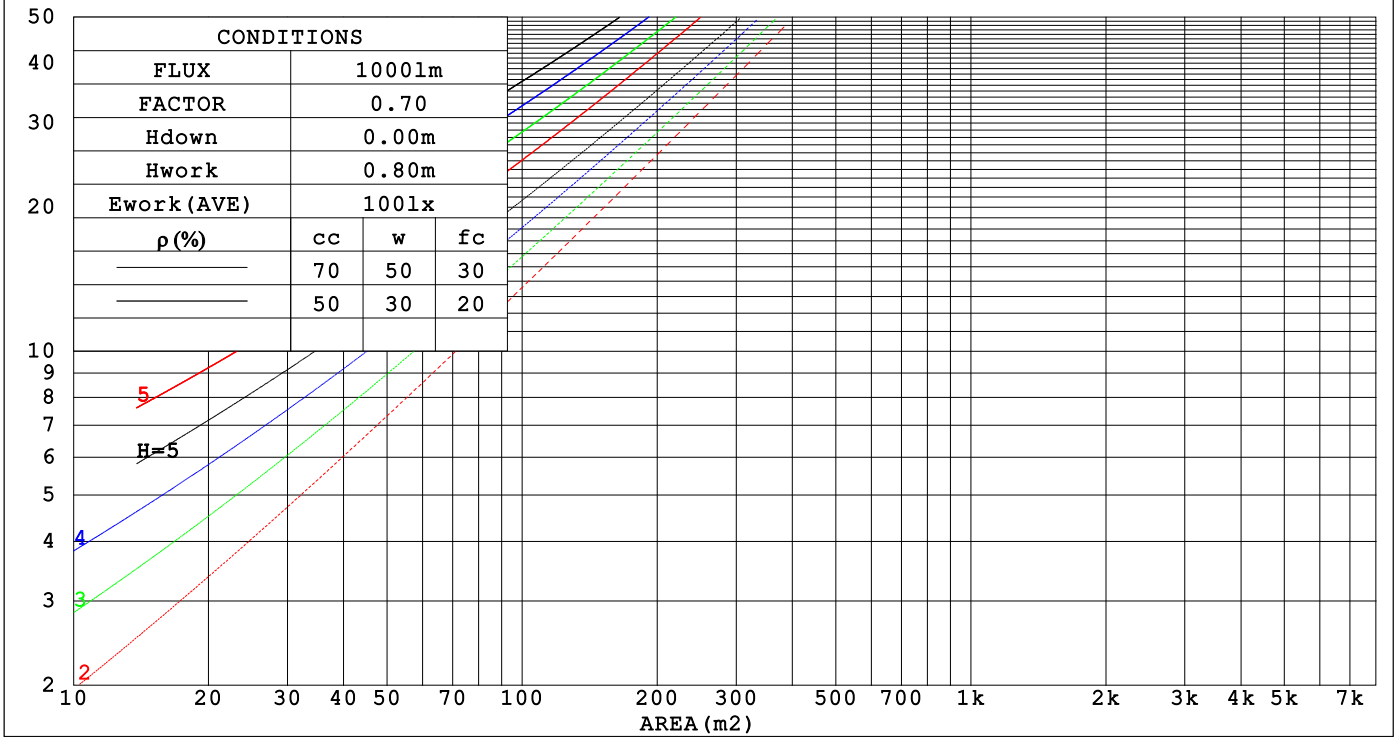
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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	.97	.95	.92	.93	.91	.89	.89	.87	.86	.83
2.0	.92	.85	.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	.67	.61	.55	.65	.59	.54	.62	.57	.53	.51
5.0	.64	.55	.49	.63	.54	.48	.60	.53	.48	.58	.52	.47	.56	.50	.46	.44
6.0	.57	.49	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.47	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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	.283	.161	.051	.276	.157	.050	.261	.150	.048	.248	.143	.046	.235	.136	.044	
2.0	.273	.149	.046	.266	.146	.045	.253	.141	.044	.241	.135	.042	.230	.130	.041	
3.0	.256	.136	.041	.250	.134	.040	.239	.129	.039	.228	.125	.038	.218	.121	.037	
4.0	.239	.124	.037	.234	.122	.036	.224	.119	.035	.214	.115	.035	.206	.112	.034	
5.0	.223	.114	.033	.219	.112	.033	.210	.109	.032	.201	.106	.032	.193	.103	.031	
6.0	.209	.105	.030	.204	.103	.030	.196	.101	.029	.189	.098	.029	.181	.095	.028	
7.0	.195	.097	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.183	.090	.025	.180	.088	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.157	.079	.023	.152	.077	.022	
10.0	.162	.078	.022	.160	.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	.072	.064	.053	.042	.021	.017	.014	
3.0	.182	.134	.096	.156	.116	.083	.107	.080	.058	.062	.047	.034	.020	.015	.011	
4.0	.174	.121	.080	.150	.104	.069	.103	.073	.049	.060	.043	.029	.019	.014	.009	
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	.082	.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	.123	.073	.040	.085	.052	.028	.049	.030	.017	.016	.010	.006	
10.0	.137	.080	.043	.118	.070	.037	.082	.049	.026	.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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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	21.7	20.5	21.9	22.2	21.2	22.6	21.5	22.8	23.1
3H	20.8	22.1	21.1	22.4	22.7	21.7	23.1	22.1	23.3	23.6
4H	20.9	22.2	21.3	22.5	22.8	21.9	23.1	22.2	23.4	23.7
6H	21.0	22.2	21.3	22.5	22.8	21.9	23.1	22.3	23.4	23.7
8H	21.0	22.1	21.3	22.4	22.8	21.9	23.0	22.3	23.4	23.7
12H	20.9	22.0	21.3	22.4	22.7	21.9	23.0	22.3	23.3	23.7
4H 2H	20.7	22.0	21.1	22.3	22.6	21.4	22.7	21.8	23.0	23.3
3H	21.4	22.5	21.8	22.8	23.2	22.2	23.3	22.6	23.6	24.0
4H	21.6	22.6	22.0	22.9	23.3	22.4	23.4	22.8	23.8	24.1
6H	21.7	22.5	22.1	22.9	23.4	22.5	23.4	22.9	23.8	24.2
8H	21.7	22.5	22.1	22.9	23.3	22.5	23.3	23.0	23.7	24.2
12H	21.7	22.4	22.2	22.9	23.3	22.5	23.3	23.0	23.7	24.1
8H 4H	21.6	22.4	22.1	22.9	23.3	22.4	23.2	22.9	23.6	24.1
6H	21.8	22.5	22.3	22.9	23.4	22.6	23.2	23.1	23.7	24.2
8H	21.8	22.4	22.3	22.9	23.4	22.6	23.2	23.1	23.7	24.2
12H	21.9	22.4	22.4	22.9	23.4	22.7	23.2	23.2	23.7	24.2
12H 4H	21.6	22.3	22.1	22.8	23.2	22.4	23.1	22.8	23.5	24.0
6H	21.8	22.4	22.3	22.8	23.3	22.6	23.1	23.1	23.6	24.1
8H	21.8	22.3	22.4	22.8	23.4	22.6	23.1	23.1	23.6	24.1

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.4 / - 0.6	+ 0.4 / - 0.5
1.5H	+ 0.4 / - 0.9	+ 0.6 / - 1.0
2.0H	+ 0.7 / - 1.1	+ 0.7 / - 1.2

CIE Pub.117, 3152 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.0)
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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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:

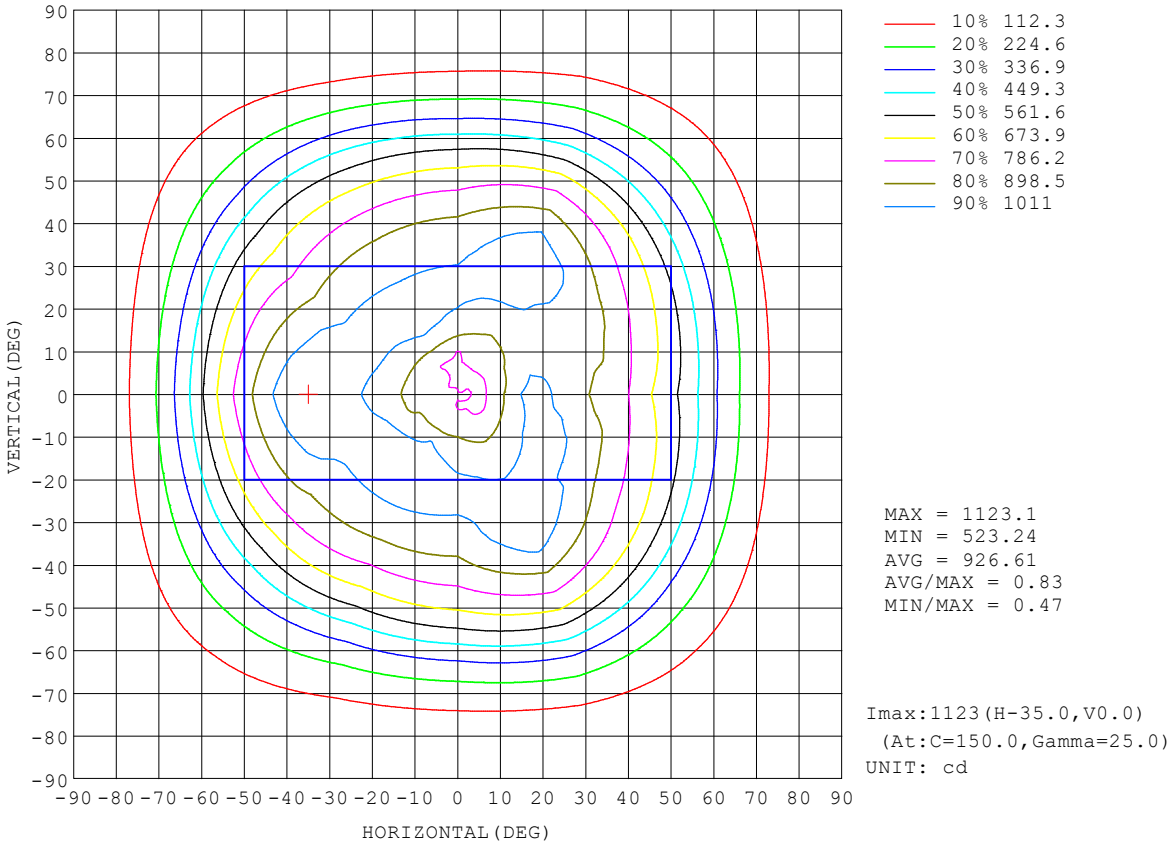
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	59	76	66	59	73	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	87	79	73	84	77	71	64
2.00	96	88	82	94	87	81	90	84	79	71
2.50	100	92	87	97	91	86	93	88	83	75
3.00	103	96	91	101	95	90	96	92	88	79
4.00	107	101	97	104	99	95	99	96	92	83
5.00	109	104	100	106	102	99	101	98	95	85
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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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:



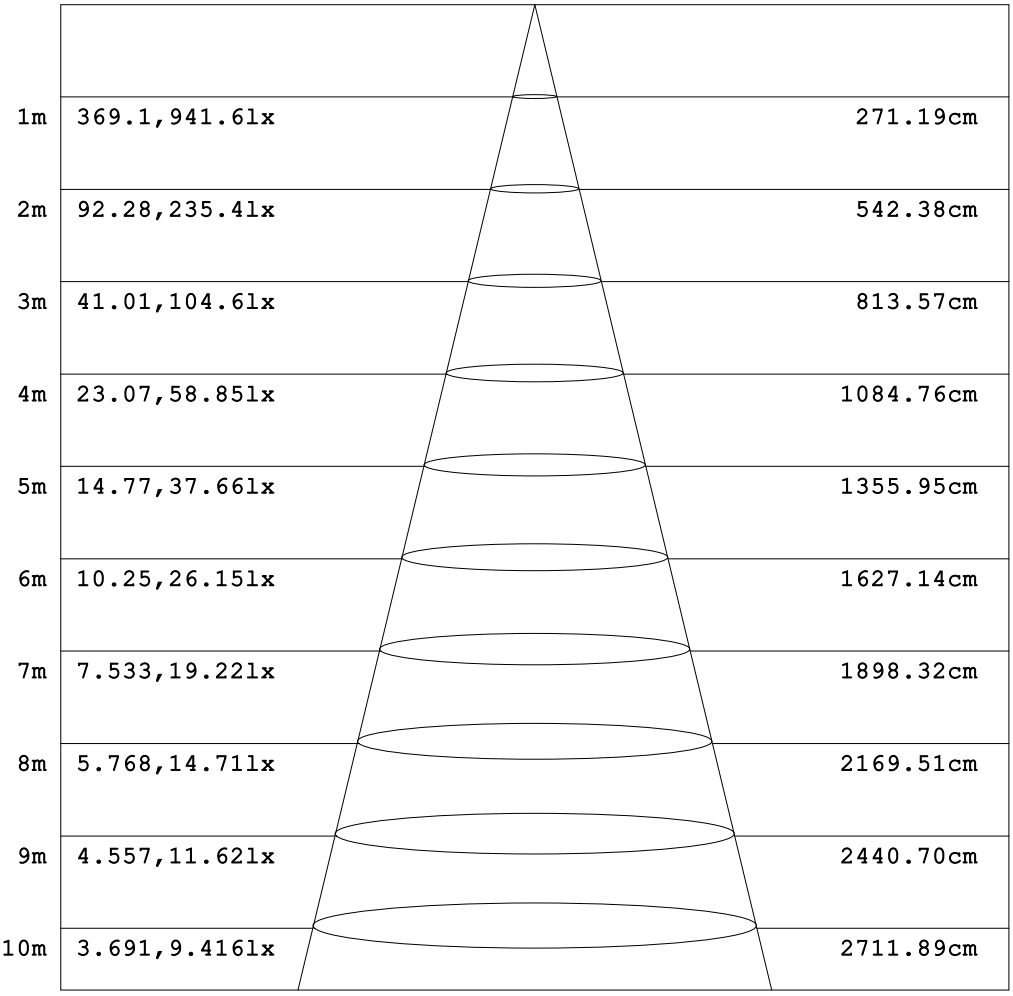
C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:16 October 2026

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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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:2365 lm



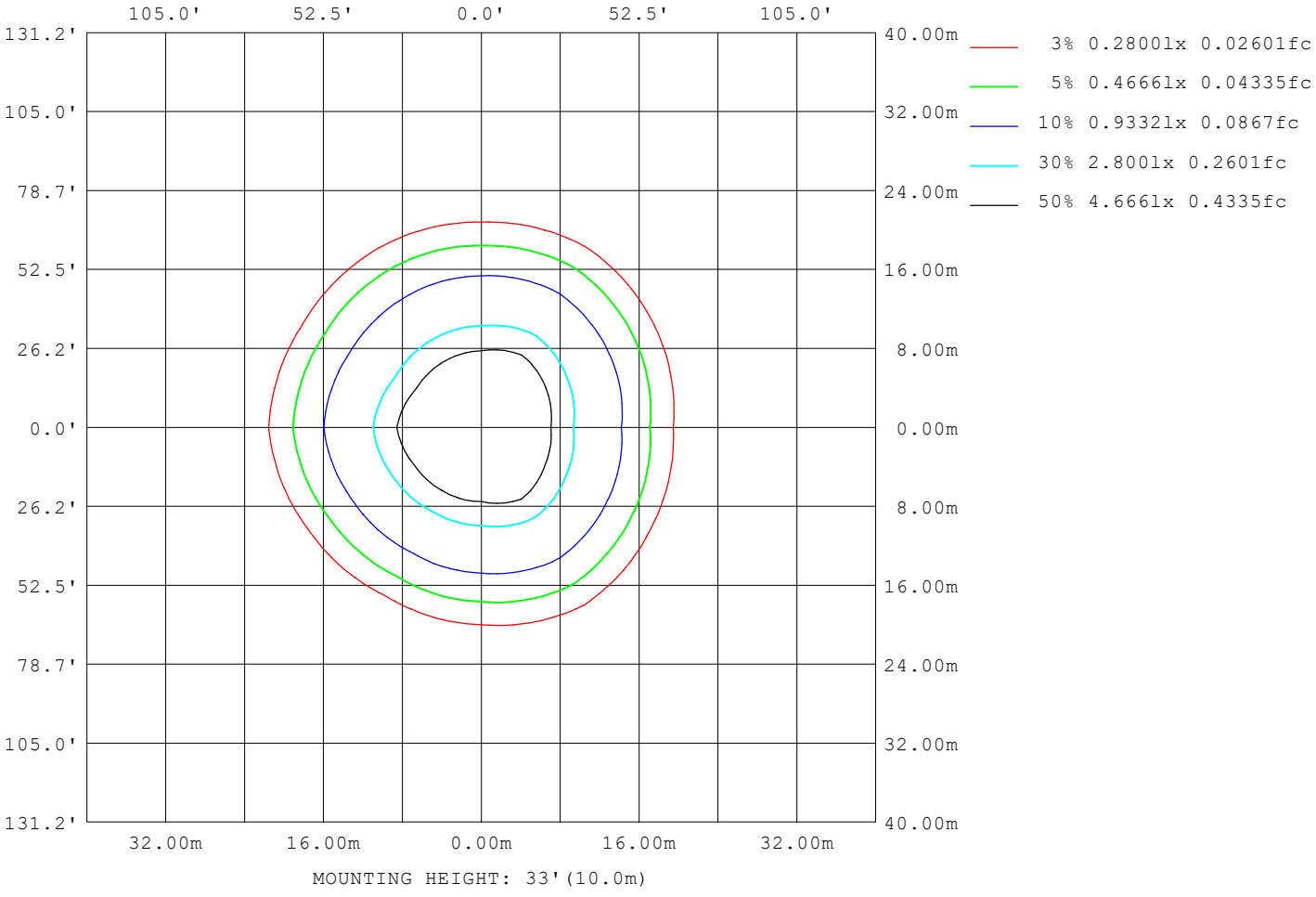
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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:

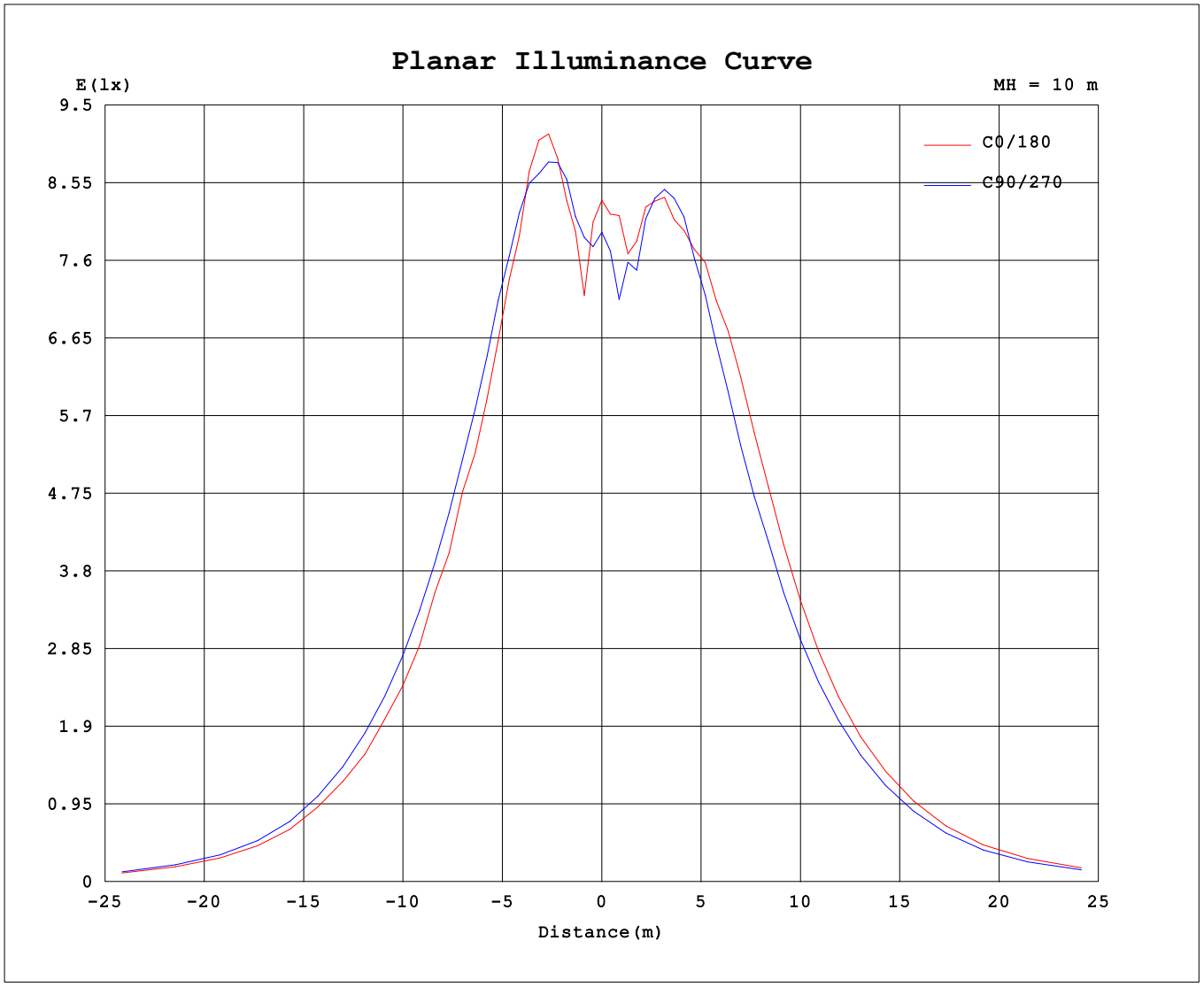
AvgL	cd/m2
L_0~180(65)av	7537
L_0~180(75)av	4533
L_0~180(85)av	3393
L_90~270(65)av	7634
L_90~270(75)av	4584
L_90~270(85)av	3286
L_45(65)av	7779
L_45(75)av	4626
L_45(85)av	3252

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:120.00V I:0.1853A P:21.692W PF:0.9753 Freq:60.01Hz UTHDi:0.24% ITHDi:9.30% KDisp:0.0000 Lamp Flux:3151.71x1 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	806	806	806	806	806	806	806	806	806	806	806	806
5	702	707	786	809	816	850	797	789	791	731	760	773
10	844	852	835	913	926	955	794	803	825	795	824	834
15	982	945	940	991	1060	1034	893	911	976	941	902	963
20	1013	1001	975	1045	1124	1103	944	1015	1050	1022	934	990
25	957	1018	1009	1043	1080	1125	1005	1034	1033	1040	1060	991
30	880	963	1062	1004	1026	1063	1058	993	991	1027	1091	1007
35	840	913	1075	955	962	1018	1086	950	946	985	1113	986
40	762	835	1016	881	880	950	1039	874	890	939	1058	923
45	657	755	905	795	781	869	941	789	811	849	970	832
50	569	673	784	696	669	756	825	706	715	756	848	738
55	470	544	645	563	533	611	694	603	605	634	704	608
60	342	396	474	409	383	449	530	472	474	485	520	446
65	237	269	320	281	259	311	365	324	329	328	355	309
70	146	164	198	175	164	197	231	205	204	208	225	201
75	85.6	92.4	110	102	95.7	114	136	123	116	122	134	118
80	43.9	44.5	53.7	51.8	50.3	58.5	72.2	61.0	60.0	64.4	71.6	61.5
85	20.1	18.8	22.7	22.8	23.4	27.9	35.7	28.0	28.8	31.2	35.7	29.3
90	10.4	9.50	11.6	10.02	10.8	11.2	14.5	10.8	11.9	11.5	12.4	9.92
95	10.3	10.2	11.5	10.2	10.8	11.4	15.0	10.8	11.7	11.9	12.4	9.63
100	10.2	10.7	11.6	10.7	11.0	11.8	15.3	11.2	11.9	12.2	12.5	10.12
105	10.5	11.0	11.6	11.3	11.4	12.3	15.5	11.9	12.1	12.3	12.7	10.8
110	10.7	11.2	11.6	12.1	11.9	12.8	14.9	12.3	12.3	12.5	12.8	11.6
115	11.0	11.4	11.6	12.7	12.3	13.0	14.1	12.3	12.5	12.6	12.9	12.5
120	11.3	11.5	11.6	12.9	12.7	12.8	13.0	12.2	12.6	12.5	13.0	13.4
125	11.6	11.8	11.9	13.1	13.0	12.7	12.6	12.4	12.6	12.8	13.3	14.0
130	11.8	12.1	12.4	13.1	13.2	12.3	12.7	12.7	12.8	13.1	13.9	14.5
135	12.0	12.5	12.9	13.4	13.5	12.4	13.1	13.0	13.0	13.2	14.5	15.0
140	12.3	12.9	12.8	14.0	13.4	13.8	13.6	13.5	13.5	13.8	15.2	15.6
145	12.7	13.2	13.6	13.0	12.7	13.6	14.1	13.4	14.1	14.5	15.9	16.2
150	13.3	13.3	13.8	13.7	13.2	13.7	13.1	13.1	14.8	15.4	16.5	16.9
155	13.9	13.7	14.3	14.2	14.1	14.1	14.3	15.1	13.6	14.4	16.9	17.3
160	14.4	14.3	14.4	14.8	14.9	14.9	13.9	14.2	14.4	15.0	17.4	17.3
165	15.0	14.8	14.9	15.6	15.7	15.4	14.4	14.5	15.2	16.3	17.2	17.5
170	15.6	15.4	15.6	16.3	16.2	16.2	15.1	15.2	15.7	16.7	17.2	17.5
175	16.0	16.0	16.1	16.7	16.6	16.8	15.7	15.7	16.1	16.8	16.9	17.2
180	16.1	16.0	16.3	16.9	16.8	17.4	16.1	16.0	16.3	16.9	16.9	17.4

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	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2
2.5	782.7	768.8	761.2	790.4	818.2	835.0	792.0	771.2	761.9	785.0
5.0	701.8	706.9	785.8	808.9	815.9	850.1	797.2	789.0	791.4	731.2
7.5	789.7	779.4	793.8	846.8	888.2	868.8	762.5	809.6	768.1	789.0
10.0	843.8	851.6	835.1	912.9	926.2	955.3	793.7	802.8	824.8	794.6
12.5	919.7	892.1	878.4	958.9	1031	953.0	858.0	890.4	906.4	884.3
15.0	981.8	945.1	940.0	991.2	1060	1034	893.5	910.8	975.6	941.3
17.5	1011	985.6	952.4	1013	1101	1075	933.2	952.3	1036	990.3
20.0	1013	1001	975.4	1045	1124	1103	944.2	1015	1050	1022
22.5	969.2	1015	996.3	1053	1103	1118	977.0	1040	1053	1046
25.0	956.7	1018	1009	1043	1080	1125	1005	1034	1033	1040
27.5	917.2	1013	1051	1033	1054	1089	1050	1017	1013	1043
30.0	880.1	962.6	1062	1004	1026	1063	1058	993.3	991.4	1027
32.5	845.7	950.2	1087	977.8	996.1	1033	1086	974.8	969.4	1013
35.0	840.4	912.9	1075	955.3	961.6	1018	1086	950.3	945.8	985.1
37.5	779.2	879.1	1050	917.4	923.6	997.1	1064	909.1	919.5	957.3
40.0	761.8	834.7	1016	881.4	879.9	949.9	1039	873.6	889.7	939.2
42.5	698.1	797.0	962.1	840.9	832.5	915.6	994.0	830.5	853.1	894.7
45.0	657.2	754.9	904.5	795.2	781.0	868.7	940.8	788.6	811.4	849.3
47.5	624.5	715.6	844.5	747.6	727.1	817.1	884.3	746.6	764.6	803.5
50.0	568.8	673.4	783.9	695.7	668.6	755.6	825.1	705.9	714.7	755.6
52.5	526.4	611.6	718.0	634.2	604.6	688.6	762.0	656.3	662.2	696.9
55.0	470.4	544.0	645.0	563.2	533.1	611.0	694.0	602.9	605.1	634.3
57.5	400.7	472.0	560.0	484.9	455.0	527.5	616.5	541.8	542.7	565.0
60.0	342.1	395.9	473.8	408.9	382.6	449.3	530.2	471.8	474.0	485.4
62.5	289.1	326.3	392.2	339.7	317.2	376.6	443.6	394.4	400.6	402.3
65.0	236.6	269.2	319.9	280.6	259.4	311.4	364.8	323.6	328.6	328.5
67.5	190.4	212.2	254.8	221.6	207.1	249.6	294.6	260.7	266.4	264.1
70.0	146.0	163.9	198.5	175.1	163.5	197.1	231.0	205.2	204.3	207.6
72.5	113.4	124.1	150.3	135.1	126.3	151.5	179.2	158.6	156.2	161.1
75.0	85.59	92.40	110.4	102.0	95.71	113.5	135.9	122.7	116.0	122.0
77.5	62.45	65.76	78.87	74.42	70.15	82.22	100.7	86.82	84.64	90.19
80.0	43.88	44.46	53.66	51.80	50.27	58.46	72.24	60.97	60.03	64.43
82.5	30.40	29.42	35.41	35.68	35.74	41.42	50.73	41.30	41.53	44.89
85.0	20.14	18.84	22.69	22.84	23.39	27.93	35.69	27.99	28.84	31.23
87.5	11.61	10.34	12.50	11.80	12.45	15.29	23.42	18.02	19.22	19.87
90.0	10.40	9.504	11.57	10.02	10.76	11.21	14.45	10.77	11.93	11.54
92.5	10.35	9.875	11.54	10.08	10.74	11.31	14.61	10.62	11.62	11.66
95.0	10.28	10.22	11.54	10.20	10.80	11.44	14.95	10.79	11.69	11.91
97.5	10.23	10.51	11.55	10.41	10.91	11.60	15.19	10.99	11.77	12.06
100.0	10.24	10.73	11.58	10.67	11.04	11.80	15.32	11.25	11.86	12.19
102.5	10.35	10.90	11.60	10.98	11.21	12.05	15.42	11.53	11.96	12.28
105.0	10.49	11.02	11.62	11.33	11.41	12.31	15.52	11.86	12.06	12.35
107.5	10.61	11.12	11.62	11.69	11.62	12.58	15.43	12.16	12.17	12.42
110.0	10.74	11.20	11.63	12.12	11.85	12.78	14.92	12.31	12.28	12.52
112.5	10.89	11.28	11.63	12.43	12.09	12.95	14.53	12.36	12.40	12.59
115.0	11.05	11.36	11.63	12.71	12.30	13.02	14.05	12.33	12.50	12.65
117.5	11.21	11.43	11.63	12.87	12.50	12.89	13.49	12.27	12.57	12.66
120.0	11.35	11.51	11.64	12.90	12.68	12.75	13.05	12.20	12.62	12.54
122.5	11.48	11.62	11.76	12.95	12.86	12.71	12.76	12.24	12.62	12.63
125.0	11.59	11.77	11.93	13.06	13.00	12.69	12.63	12.37	12.63	12.80
127.5	11.68	11.91	12.13	13.07	13.11	12.68	12.65	12.52	12.66	13.00
130.0	11.77	12.09	12.36	13.06	13.18	12.28	12.73	12.68	12.77	13.10
132.5	11.87	12.27	12.61	13.23	13.31	12.10	12.88	12.82	12.91	12.81
135.0	11.98	12.46	12.88	13.42	13.47	12.37	13.07	12.97	13.04	13.21
137.5	12.11	12.65	13.05	13.65	13.60	13.32	13.34	13.22	13.26	13.50
140.0	12.26	12.86	12.76	14.03	13.36	13.78	13.60	13.50	13.51	13.81
142.5	12.46	13.09	13.08	13.73	12.52	13.37	13.82	13.81	13.78	14.17
145.0	12.73	13.20	13.56	13.03	12.70	13.56	14.05	13.44	14.13	14.54
147.5	13.06	13.26	13.74	13.27	12.86	13.41	13.94	12.53	14.46	14.98
150.0	13.31	13.33	13.77	13.74	13.21	13.67	13.09	13.15	14.82	15.43
152.5	13.51	13.60	13.82	14.48	13.61	13.96	13.05	14.95	14.47	15.88
155.0	13.90	13.70	14.30	14.15	14.10	14.15	14.35	15.09	13.59	14.43
157.5	14.20	14.07	14.13	14.41	14.58	14.57	13.99	13.93	14.06	14.64
160.0	14.38	14.27	14.37	14.79	14.94	14.92	13.90	14.17	14.42	15.04
162.5	14.73	14.48	14.56	15.20	15.27	15.11	14.16	14.30	14.80	15.83
165.0	14.97	14.82	14.88	15.59	15.68	15.44	14.41	14.52	15.25	16.33
167.5	15.17	15.19	15.21	15.94	16.06	15.82	14.77	14.86	15.51	17.43
170.0	15.58	15.43	15.56	16.33	16.23	16.18	15.12	15.16	15.71	16.67
172.5	15.85	15.67	15.85	16.63	16.41	16.52	15.46	15.45	15.95	16.70
175.0	15.97	15.96	16.13	16.74	16.62	16.80	15.74	15.67	16.13	16.76
177.5	16.04	16.02	16.26	16.86	16.77	17.04	16.01	15.83	16.26	16.83
180.0	16.08	16.01	16.32	16.88	16.83	17.44	16.08	15.99	16.31	16.89

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	806.2	806.2
2.5	772.5	822.0
5.0	759.7	773.3
7.5	825.1	828.0
10.0	824.2	834.1
12.5	847.6	937.2
15.0	902.5	962.6
17.5	938.8	1015
20.0	934.5	990.1
22.5	992.1	1013
25.0	1060	990.7
27.5	1064	1005
30.0	1091	1007
32.5	1102	1001
35.0	1113	986.4
37.5	1093	974.9
40.0	1058	923.0
42.5	1024	879.3
45.0	970.3	831.8
47.5	910.3	786.3
50.0	847.5	737.6
52.5	778.4	679.8
55.0	703.9	607.7
57.5	614.4	526.0
60.0	519.6	446.3
62.5	432.3	375.0
65.0	354.7	309.3
67.5	289.9	252.0
70.0	225.2	200.8
72.5	175.8	156.2
75.0	134.0	118.1
77.5	99.48	86.45
80.0	71.65	61.46
82.5	50.94	43.13
85.0	35.71	29.28
87.5	21.96	16.62
90.0	12.39	9.921
92.5	12.32	9.654
95.0	12.39	9.635
97.5	12.47	9.856
100.0	12.55	10.12
102.5	12.61	10.42
105.0	12.71	10.76
107.5	12.76	11.15
110.0	12.82	11.58
112.5	12.88	12.04
115.0	12.91	12.54
117.5	12.96	12.98
120.0	13.00	13.41
122.5	13.12	13.72
125.0	13.30	14.01
127.5	13.60	14.20
130.0	13.86	14.45
132.5	14.20	14.66
135.0	14.52	14.97
137.5	14.88	15.27
140.0	15.20	15.57
142.5	15.57	15.89
145.0	15.92	16.19
147.5	16.25	16.52
150.0	16.48	16.85
152.5	16.77	17.14
155.0	16.93	17.32
157.5	17.19	17.66
160.0	17.45	17.28
162.5	17.00	17.40
165.0	17.16	17.46
167.5	17.47	17.68
170.0	17.15	17.47
172.5	16.75	17.28
175.0	16.95	17.23
177.5	16.88	17.38
180.0	16.86	17.42

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: