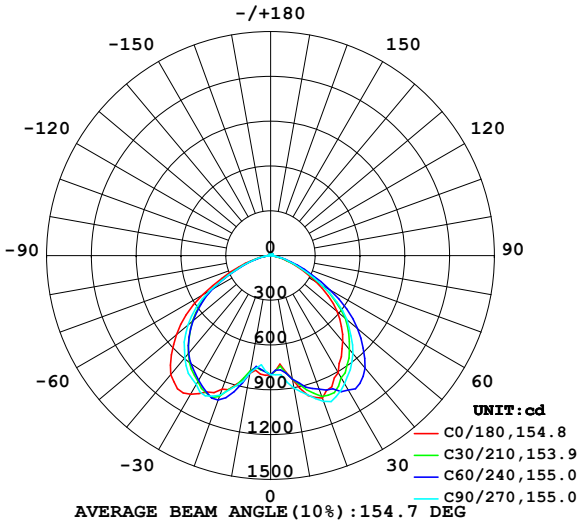
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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:

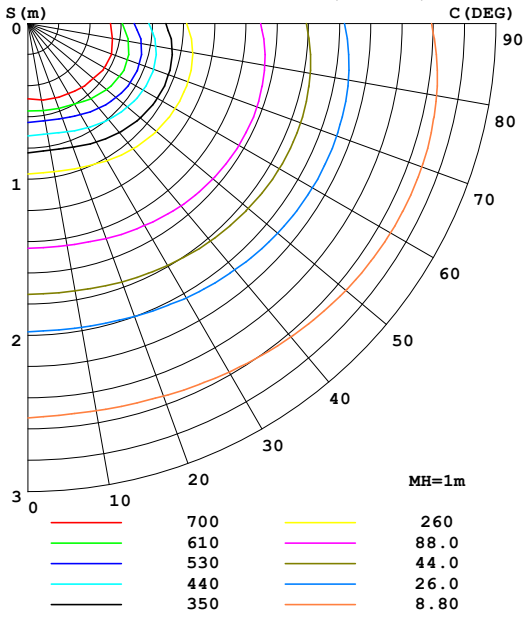
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 146.39 lm/W	
MODEET01-60 50 40 30 20W-TCP		Imax(cd)	1124	S/MH(C0/180)	1.75
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.66
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3090.4	η UP,DN(C0-180)	1.2,47.1
NOMINAL FLUX(lm)	3090.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,50.4
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%):154.7 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	841.8	841.4	900.9	923.4	800.2	789.8	797.1	834.1	0- 10	76.68	76.68	2.48,2.48
20	1015	978.1	1038	1089	952.0	1016	994.3	961.8	10- 20	266.9	343.5	11.1,11.1
30	908.0	992.7	990.2	1034	1072	969.1	997.5	1045	20- 30	470.7	814.2	26.3,26.3
40	753.3	903.8	858.3	897.7	1041	857.8	894.8	971.7	30- 40	602.1	1416	45.8,45.8
50	579.5	706.3	666.2	699.9	823.8	680.4	722.5	768.9	40- 50	624.3	2041	66,66
60	349.7	425.8	397.1	410.9	526.2	453.0	466.9	471.5	50- 60	518.8	2559	82.8,82.8
70	149.2	176.4	168.3	177.1	228.9	196.3	198.9	206.8	60- 70	300.7	2860	92.5,92.5
80	43.97	47.27	49.73	53.30	71.74	58.25	61.91	64.82	70- 80	120.0	2980	96.4,96.4
90	10.43	10.19	9.656	10.80	14.69	11.19	11.25	11.03	80- 90	31.25	3011	97.4,97.4
100	10.26	10.82	10.24	11.17	15.57	11.45	11.89	11.22	90-100	12.20	3024	97.8,97.8
110	10.77	11.10	11.61	11.98	15.11	12.16	12.17	12.09	100-110	12.43	3036	98.2,98.2
120	11.40	11.27	12.40	12.39	13.26	12.20	12.20	13.06	110-120	12.09	3048	98.6,98.6
130	11.84	11.89	12.61	12.57	12.94	12.48	12.73	13.96	120-130	11.15	3059	99,99
140	12.36	12.51	13.53	13.38	13.84	13.25	13.49	15.18	130-140	10.07	3069	99.3,99.3
150	13.41	13.25	13.30	13.23	13.11	13.77	15.09	16.34	140-150	8.599	3078	99.6,99.6
160	14.49	13.99	14.37	14.69	14.01	13.99	14.59	17.04	150-160	6.658	3085	99.8,99.8
170	15.68	15.14	15.85	15.94	15.24	15.10	16.15	17.02	160-170	4.315	3089	100,100
180	16.19	15.80	16.38	16.84	16.19	15.78	16.39	16.84	170-180	1.526	3090	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1733.6 lm

%lum = 56.1%
%lamp = 56.1%

Conical surface Flux(130deg): 2737.8 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

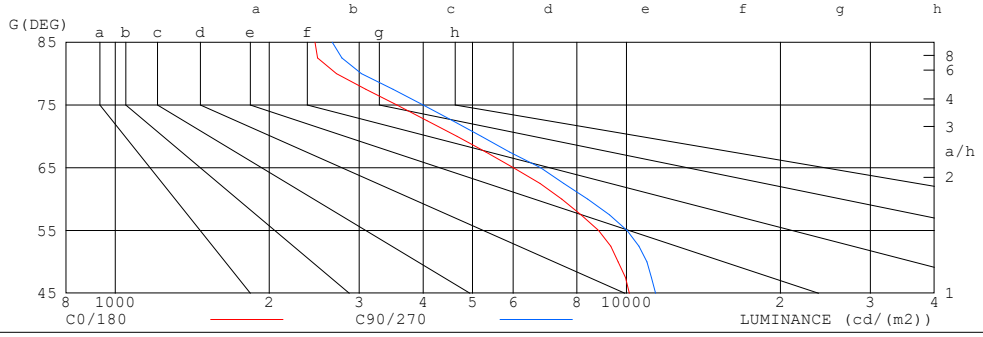
γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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	2458	2656
80	2707	3030
75	3556	4004
70	4663	5207
65	6014	6793
60	7476	8402
55	8817	10031
50	9636	10964
45	10130	11407

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:

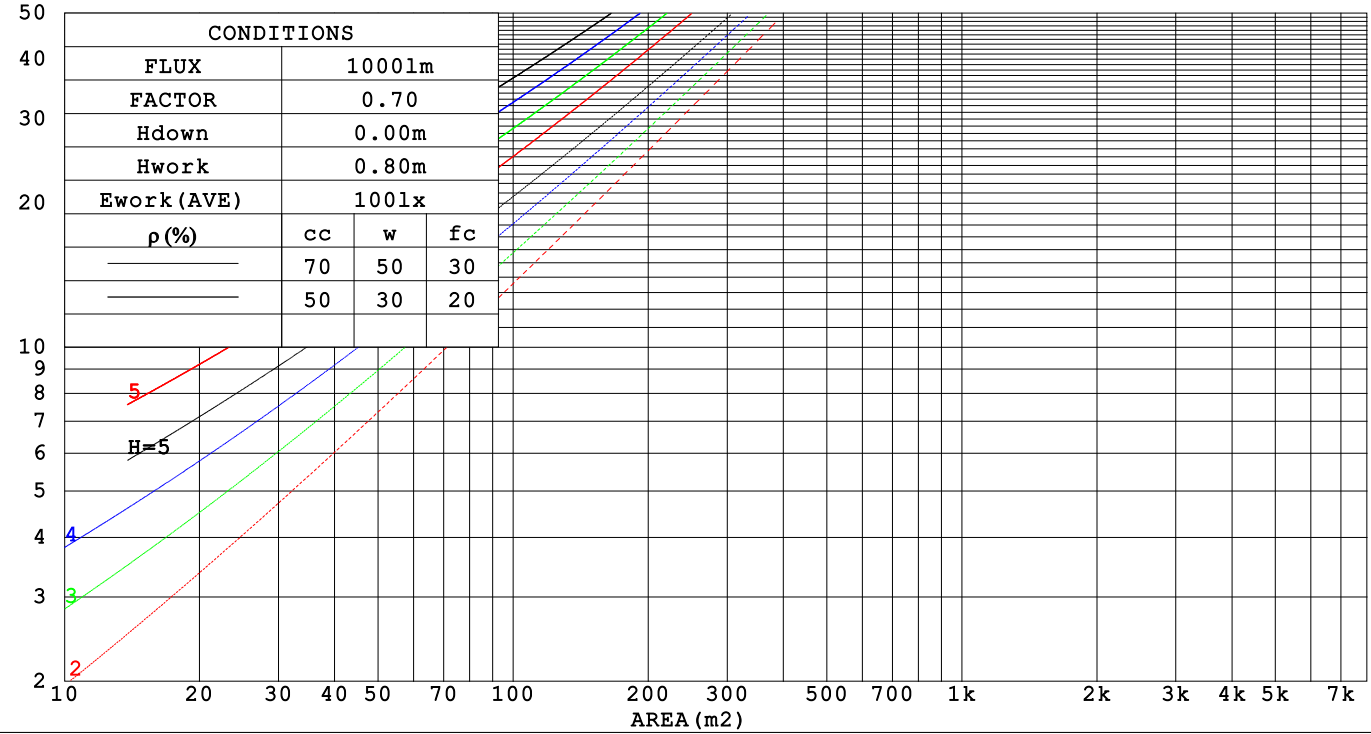
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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	.55	.48	.60	.53	.48	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.49	.42	.56	.48	.42	.54	.47	.42	.52	.46	.41	.51	.45	.40	.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	.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	.27	.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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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	.275	.157	.050	.261	.149	.048	.247	.143	.046	.235	.136	.044	
2.0	.272	.149	.046	.265	.146	.045	.252	.140	.044	.241	.135	.042	.230	.130	.041	
3.0	.256	.136	.041	.250	.134	.040	.238	.129	.039	.228	.125	.038	.218	.121	.037	
4.0	.239	.124	.037	.234	.122	.036	.223	.119	.035	.214	.115	.035	.205	.111	.034	
5.0	.223	.114	.033	.218	.112	.033	.209	.109	.032	.201	.106	.031	.193	.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	.089	.026	
8.0	.183	.089	.025	.179	.088	.025	.173	.086	.025	.167	.084	.024	.161	.082	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.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	.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	.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	.123	.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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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	21.1	22.5	21.4	22.8	23.0
3H	20.8	22.1	21.1	22.4	22.7	21.7	23.0	22.0	23.3	23.6
4H	20.9	22.1	21.2	22.4	22.7	21.8	23.0	22.1	23.3	23.7
6H	20.9	22.1	21.3	22.4	22.7	21.8	23.0	22.2	23.3	23.6
8H	20.9	22.0	21.3	22.4	22.7	21.8	23.0	22.2	23.3	23.6
12H	20.9	22.0	21.3	22.3	22.7	21.8	22.9	22.2	23.2	23.6
4H 2H	20.7	21.9	21.0	22.2	22.5	21.4	22.6	21.7	22.9	23.2
3H	21.3	22.4	21.7	22.8	23.1	22.1	23.2	22.5	23.5	23.9
4H	21.5	22.5	21.9	22.9	23.3	22.3	23.3	22.7	23.7	24.1
6H	21.6	22.5	22.0	22.9	23.3	22.4	23.3	22.9	23.7	24.1
8H	21.6	22.4	22.1	22.8	23.3	22.4	23.2	22.9	23.7	24.1
12H	21.6	22.4	22.1	22.8	23.3	22.4	23.2	22.9	23.6	24.1
8H 4H	21.6	22.4	22.0	22.8	23.2	22.3	23.1	22.8	23.5	24.0
6H	21.7	22.4	22.2	22.8	23.3	22.5	23.2	23.0	23.6	24.1
8H	21.8	22.4	22.3	22.8	23.3	22.5	23.1	23.0	23.6	24.1
12H	21.8	22.3	22.3	22.8	23.3	22.6	23.1	23.1	23.6	24.1
12H 4H	21.6	22.3	22.0	22.7	23.2	22.3	23.0	22.8	23.5	23.9
6H	21.7	22.3	22.2	22.8	23.3	22.5	23.1	23.0	23.5	24.0
8H	21.8	22.3	22.3	22.8	23.3	22.5	23.0	23.1	23.5	24.1

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

CIE Pub.117, 3090 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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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:

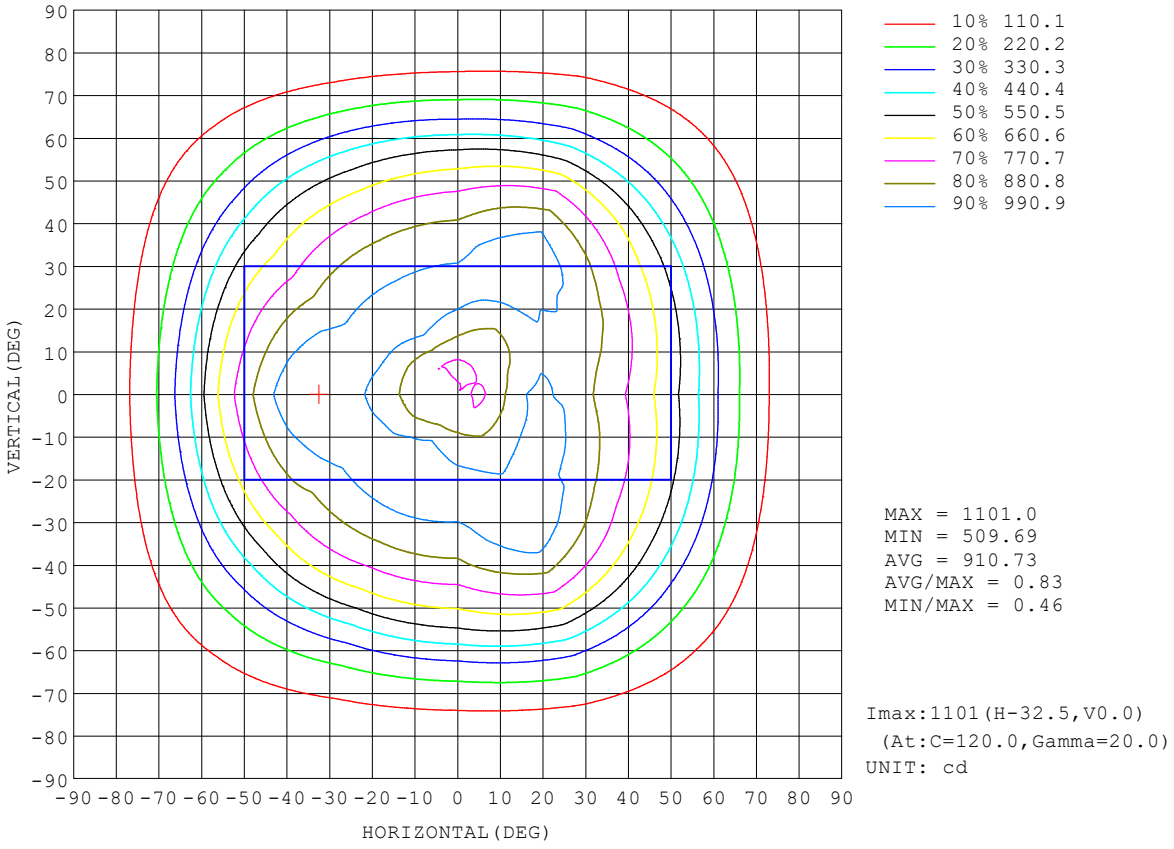
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	46	39	57	46	39	55	45	39	32
0.80	68	57	50	67	56	49	65	55	49	42
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	71	64
2.00	96	88	82	94	87	81	90	84	79	71
2.50	100	92	87	98	91	86	93	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	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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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:



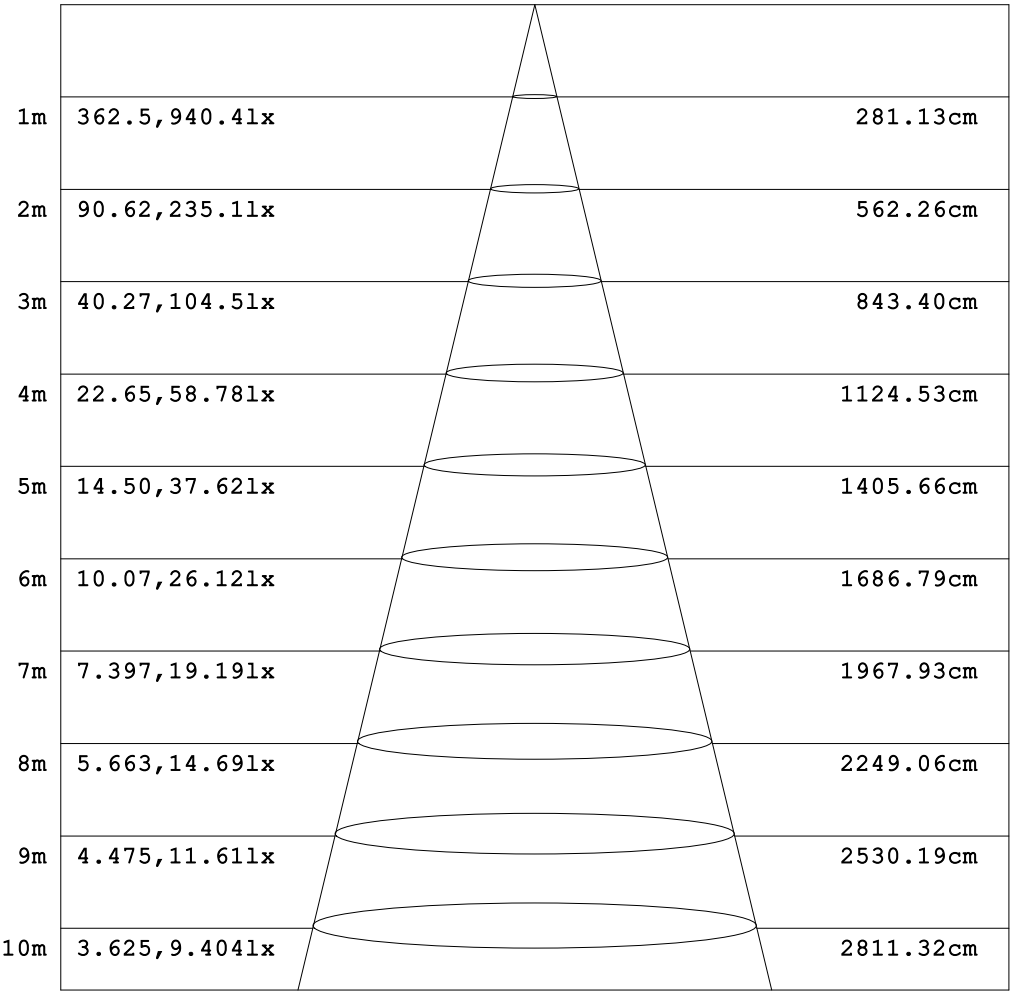
C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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:2323 lm



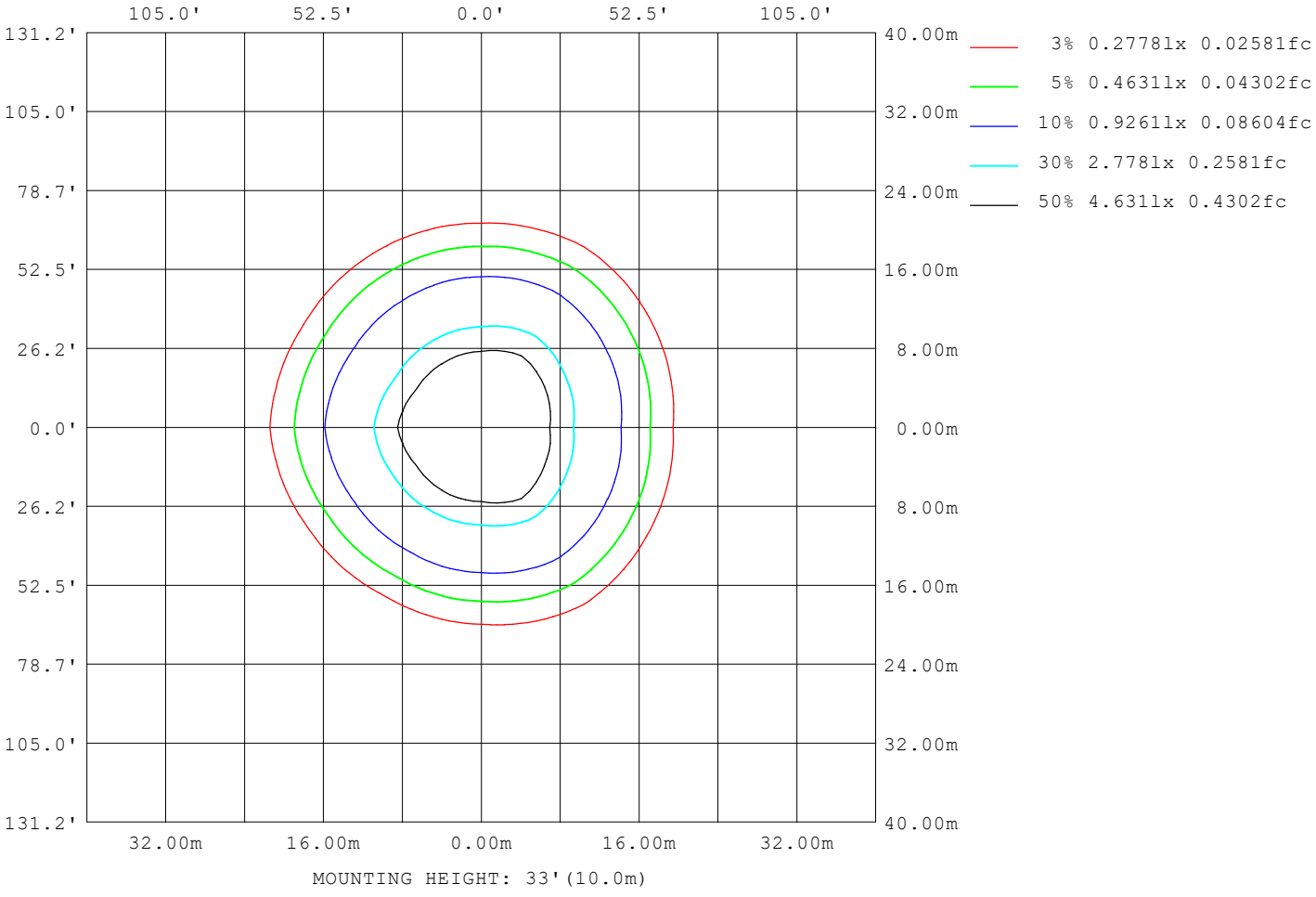
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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:

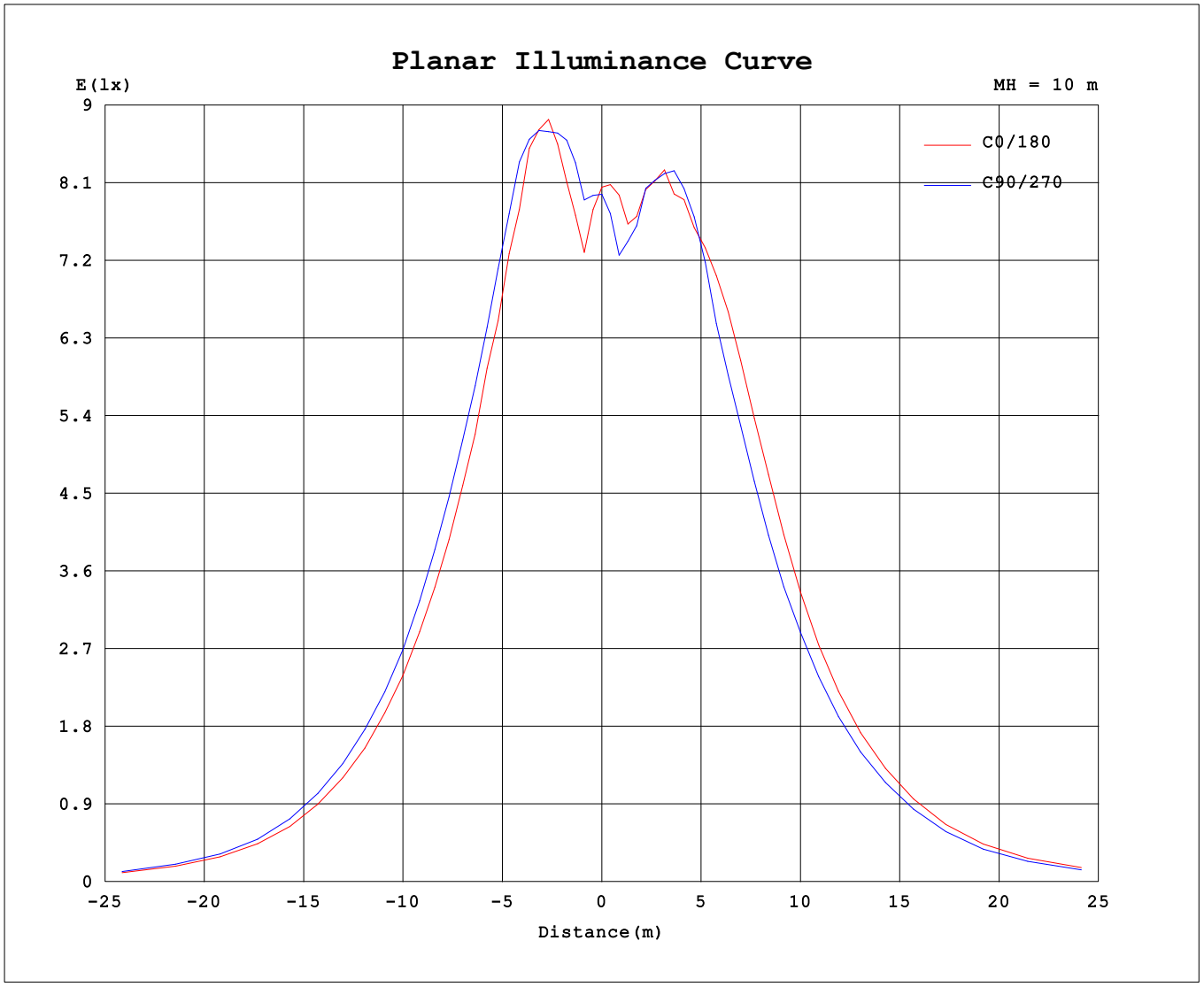
AvgL	cd/m2
L_0~180(65)av	7510
L_0~180(75)av	4524
L_0~180(85)av	3398
L_90~270(65)av	7338
L_90~270(75)av	4399
L_90~270(85)av	3166
L_45(65)av	7566
L_45(75)av	4460
L_45(85)av	3166

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:119.92V I:0.1808A P:21.111W PF:0.9735 Freq:60.01Hz UTHDi:0.24% ITHDi:9.52% KDisp:0.0000 Lamp Flux:3090.38x1 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	798	798	798	798	798	798	798	798	798	798	798	798
5	731	743	768	800	853	826	798	770	765	735	784	792
10	842	842	841	901	957	890	800	783	796	797	840	828
15	972	931	914	966	1080	988	893	904	945	903	871	913
20	1015	1004	952	1038	1124	1055	952	1002	1030	994	947	976
25	970	1012	984	1042	1088	1077	1009	1018	1012	1036	1058	1001
30	908	945	1040	990	1036	1032	1072	974	965	998	1095	995
35	828	894	1046	933	969	981	1089	929	915	963	1112	951
40	753	821	987	858	886	909	1041	860	856	895	1054	890
45	670	740	879	762	788	830	942	772	776	819	965	796
50	580	653	759	666	678	722	824	683	678	723	842	697
55	473	531	624	544	541	588	691	583	572	610	698	579
60	350	393	459	397	389	433	526	458	448	467	515	429
65	238	265	310	271	263	300	361	314	311	314	351	296
70	149	161	192	168	166	188	229	199	194	199	223	191
75	86.1	89.4	106	98.0	96.8	109	135	115	111	117	133	112
80	44.0	43.0	51.5	49.7	50.5	56.1	71.7	59.0	57.5	61.9	71.1	58.6
85	20.0	18.2	21.6	21.9	23.4	26.9	35.9	27.5	27.8	30.2	35.6	28.1
90	10.4	9.28	11.1	9.66	10.7	10.9	14.7	10.8	11.6	11.2	12.4	9.63
95	10.3	9.98	11.1	9.81	10.8	11.1	15.2	10.9	11.4	11.6	12.5	9.37
100	10.3	10.5	11.1	10.2	11.0	11.4	15.6	11.3	11.6	11.9	12.6	9.84
105	10.5	10.8	11.2	10.9	11.3	11.8	15.6	11.9	11.8	12.1	12.8	10.5
110	10.8	11.0	11.2	11.6	11.7	12.2	15.1	12.3	12.0	12.2	12.9	11.3
115	11.1	11.1	11.2	12.2	12.2	12.4	14.2	12.3	12.2	12.3	13.0	12.3
120	11.4	11.3	11.3	12.4	12.6	12.2	13.3	12.1	12.3	12.2	13.0	13.1
125	11.7	11.5	11.5	12.6	12.9	12.3	12.8	12.2	12.3	12.5	13.4	13.6
130	11.8	11.8	11.9	12.6	13.1	12.1	12.9	12.5	12.4	12.7	13.9	14.0
135	12.1	12.2	12.4	13.0	13.4	11.9	13.3	12.8	12.7	12.9	14.6	14.5
140	12.4	12.6	12.4	13.5	13.5	13.3	13.8	13.3	13.2	13.5	15.3	15.1
145	12.8	13.0	13.1	12.7	12.7	13.3	14.3	13.2	13.8	14.2	16.0	15.6
150	13.4	13.1	13.4	13.3	13.2	13.3	13.1	13.1	14.5	15.1	16.4	16.2
155	14.0	13.5	13.9	13.8	14.1	13.7	14.4	14.8	13.2	14.0	16.9	16.7
160	14.5	14.0	14.0	14.4	14.9	14.5	14.0	14.0	14.0	14.6	17.4	16.7
165	15.1	14.6	14.5	15.1	15.7	14.9	14.5	14.3	14.8	16.0	17.1	16.9
170	15.7	15.2	15.1	15.8	16.2	15.7	15.2	14.9	15.3	16.1	17.1	16.9
175	16.1	15.7	15.7	16.3	16.6	16.3	15.8	15.4	15.7	16.2	16.9	16.7
180	16.2	15.7	15.9	16.4	16.8	16.9	16.2	15.7	15.8	16.4	16.8	16.8

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	797.9	797.9	797.9	797.9	797.9	797.9	797.9	797.9	797.9	797.9
2.5	774.3	772.2	768.7	798.9	828.4	812.9	803.2	778.4	782.7	777.7
5.0	731.2	743.2	768.0	800.5	852.9	826.1	797.8	769.9	764.9	735.4
7.5	785.5	794.1	795.0	856.0	891.7	848.8	775.3	754.7	748.4	762.6
10.0	841.8	842.1	840.8	900.9	957.1	890.1	800.2	783.2	796.5	797.1
12.5	910.5	883.6	873.1	933.7	1029	924.2	854.6	840.2	874.9	864.6
15.0	971.6	931.2	913.5	965.9	1080	987.7	893.2	904.2	945.0	903.2
17.5	995.9	968.3	933.3	1005	1105	1016	942.6	940.3	998.1	947.4
20.0	1015	1004	952.3	1038	1124	1055	952.0	1002	1030	994.3
22.5	979.4	1013	975.2	1059	1110	1088	993.5	1031	1034	1020
25.0	969.5	1012	984.4	1042	1088	1077	1009	1018	1012	1036
27.5	923.7	986.4	1027	1020	1064	1046	1043	1003	989.6	1030
30.0	908.0	945.3	1040	990.2	1036	1032	1072	973.6	964.7	997.5
32.5	857.2	931.0	1059	959.2	1004	1011	1091	950.3	940.0	979.7
35.0	827.9	893.7	1046	932.8	968.8	980.7	1089	928.6	914.5	963.0
37.5	787.6	865.6	1021	895.3	930.1	944.9	1066	897.0	887.1	930.9
40.0	753.3	820.8	986.7	858.3	886.5	908.9	1041	859.6	856.0	894.8
42.5	716.2	783.0	935.2	813.5	839.8	877.2	995.1	817.0	818.3	854.8
45.0	670.2	739.5	878.7	762.4	788.4	829.7	941.5	772.3	775.6	818.7
47.5	629.2	698.8	820.0	714.7	735.1	779.4	883.3	727.2	728.1	772.1
50.0	579.5	653.1	759.5	666.2	677.5	722.1	823.8	682.7	678.2	722.5
52.5	530.6	592.3	695.6	608.3	614.0	660.0	759.7	633.6	626.4	667.6
55.0	473.2	530.8	624.3	543.9	541.1	588.0	691.4	583.0	572.5	610.2
57.5	409.4	465.1	541.9	470.6	462.3	507.7	612.7	524.7	513.9	544.7
60.0	349.7	392.8	458.8	397.1	389.0	432.6	526.2	458.0	448.1	466.9
62.5	292.6	323.3	379.7	329.2	322.5	361.4	439.7	383.0	378.8	385.8
65.0	237.8	265.0	309.6	271.4	263.1	300.2	361.4	314.3	311.0	314.1
67.5	190.0	206.7	246.3	213.7	209.6	239.1	295.1	252.9	247.4	252.3
70.0	149.2	160.7	192.1	168.3	165.6	188.5	228.9	198.9	193.7	198.9
72.5	114.5	121.3	145.1	129.9	127.8	145.1	177.7	153.4	148.3	154.3
75.0	86.12	89.42	106.4	97.95	96.77	108.6	134.9	114.9	110.6	117.0
77.5	62.60	63.34	75.78	71.49	70.63	78.79	100.2	83.76	80.81	86.60
80.0	43.97	43.01	51.53	49.73	50.48	56.09	71.74	59.05	57.46	61.91
82.5	30.35	28.45	33.90	34.22	35.81	39.84	50.72	40.27	39.91	43.24
85.0	20.04	18.24	21.63	21.89	23.38	26.95	35.87	27.50	27.85	30.21
87.5	11.67	10.11	11.97	11.30	12.42	14.80	23.64	17.86	18.60	19.33
90.0	10.43	9.278	11.09	9.656	10.72	10.88	14.69	10.79	11.59	11.25
92.5	10.35	9.635	11.07	9.683	10.70	10.97	14.86	10.66	11.29	11.38
95.0	10.30	9.979	11.07	9.815	10.75	11.08	15.21	10.85	11.38	11.62
97.5	10.26	10.26	11.09	10.00	10.84	11.21	15.41	11.07	11.50	11.79
100.0	10.26	10.49	11.15	10.24	10.97	11.37	15.57	11.30	11.60	11.89
102.5	10.38	10.66	11.17	10.53	11.13	11.58	15.65	11.57	11.71	11.98
105.0	10.53	10.77	11.21	10.86	11.32	11.81	15.65	11.87	11.82	12.05
107.5	10.66	10.88	11.23	11.21	11.52	12.04	15.57	12.18	11.91	12.11
110.0	10.77	10.97	11.24	11.61	11.75	12.22	15.11	12.29	12.03	12.17
112.5	10.93	11.05	11.25	11.97	11.97	12.37	14.69	12.31	12.12	12.24
115.0	11.09	11.12	11.25	12.23	12.19	12.42	14.24	12.30	12.20	12.31
117.5	11.25	11.21	11.25	12.40	12.40	12.32	13.67	12.20	12.26	12.33
120.0	11.40	11.27	11.26	12.40	12.58	12.21	13.26	12.10	12.30	12.20
122.5	11.54	11.38	11.36	12.49	12.75	12.23	12.97	12.13	12.30	12.29
125.0	11.66	11.53	11.52	12.58	12.91	12.25	12.83	12.23	12.31	12.47
127.5	11.75	11.68	11.71	12.61	13.01	12.32	12.85	12.36	12.35	12.65
130.0	11.84	11.85	11.93	12.61	13.09	12.06	12.94	12.51	12.45	12.73
132.5	11.95	12.03	12.17	12.77	13.26	11.78	13.09	12.65	12.59	12.51
135.0	12.07	12.21	12.43	12.96	13.40	11.90	13.30	12.82	12.70	12.89
137.5	12.20	12.41	12.62	13.18	13.57	12.76	13.55	13.06	12.92	13.19
140.0	12.36	12.63	12.39	13.53	13.46	13.30	13.84	13.32	13.18	13.49
142.5	12.55	12.85	12.63	13.32	12.52	12.93	14.07	13.64	13.47	13.86
145.0	12.82	12.98	13.10	12.66	12.69	13.30	14.28	13.16	13.81	14.24
147.5	13.16	13.03	13.30	12.90	12.86	13.04	14.06	12.31	14.14	14.66
150.0	13.41	13.10	13.40	13.30	13.20	13.26	13.11	13.07	14.47	15.09
152.5	13.61	13.36	13.37	14.00	13.60	13.54	13.21	14.83	13.99	15.51
155.0	14.00	13.48	13.90	13.76	14.09	13.71	14.42	14.77	13.23	14.03
157.5	14.29	13.83	13.76	13.98	14.56	14.12	14.02	13.73	13.67	14.20
160.0	14.49	14.01	13.96	14.37	14.92	14.46	14.01	13.97	14.02	14.59
162.5	14.86	14.23	14.16	14.75	15.24	14.64	14.28	14.07	14.39	15.43
165.0	15.08	14.57	14.45	15.14	15.66	14.95	14.52	14.29	14.83	15.97
167.5	15.30	14.95	14.78	15.49	16.03	15.32	14.89	14.62	15.08	17.00
170.0	15.68	15.18	15.11	15.85	16.20	15.69	15.24	14.93	15.27	16.15
172.5	15.96	15.41	15.40	16.14	16.39	16.00	15.57	15.19	15.52	16.22
175.0	16.11	15.69	15.66	16.26	16.60	16.26	15.84	15.40	15.68	16.25
177.5	16.16	15.75	15.80	16.36	16.74	16.50	16.13	15.56	15.79	16.34
180.0	16.19	15.74	15.86	16.38	16.80	16.87	16.19	15.72	15.85	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:

Photometric Data Table [cd]

G/C	300.0	330.0
0.0	797.9	797.9
2.5	790.4	802.2
5.0	784.4	792.0
7.5	800.5	804.6
10.0	840.1	828.1
12.5	856.5	888.5
15.0	871.1	913.0
17.5	909.5	932.9
20.0	947.2	976.3
22.5	989.1	993.7
25.0	1058	1001
27.5	1055	992.4
30.0	1095	995.0
32.5	1105	961.2
35.0	1112	951.0
37.5	1086	932.0
40.0	1054	890.1
42.5	1020	846.3
45.0	965.1	795.6
47.5	904.6	745.0
50.0	841.7	696.6
52.5	773.5	643.5
55.0	698.4	578.9
57.5	609.2	504.5
60.0	514.8	428.6
62.5	427.8	359.3
65.0	351.0	295.5
67.5	286.9	239.9
70.0	222.8	190.9
72.5	174.1	148.6
75.0	132.8	112.2
77.5	98.74	82.25
80.0	71.13	58.56
82.5	50.68	41.17
85.0	35.59	28.07
87.5	22.04	16.00
90.0	12.43	9.632
92.5	12.38	9.375
95.0	12.45	9.374
97.5	12.54	9.592
100.0	12.62	9.838
102.5	12.70	10.14
105.0	12.77	10.48
107.5	12.83	10.85
110.0	12.89	11.29
112.5	12.94	11.75
115.0	12.98	12.26
117.5	13.02	12.71
120.0	13.05	13.06
122.5	13.17	13.34
125.0	13.38	13.58
127.5	13.65	13.78
130.0	13.93	13.99
132.5	14.25	14.24
135.0	14.58	14.50
137.5	14.95	14.78
140.0	15.30	15.06
142.5	15.65	15.34
145.0	15.99	15.60
147.5	16.25	15.90
150.0	16.45	16.23
152.5	16.66	16.50
155.0	16.86	16.70
157.5	17.13	17.04
160.0	17.39	16.69
162.5	16.98	16.78
165.0	17.10	16.90
167.5	17.43	17.11
170.0	17.11	16.92
172.5	16.73	16.73
175.0	16.92	16.68
177.5	16.86	16.82
180.0	16.83	16.85

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: