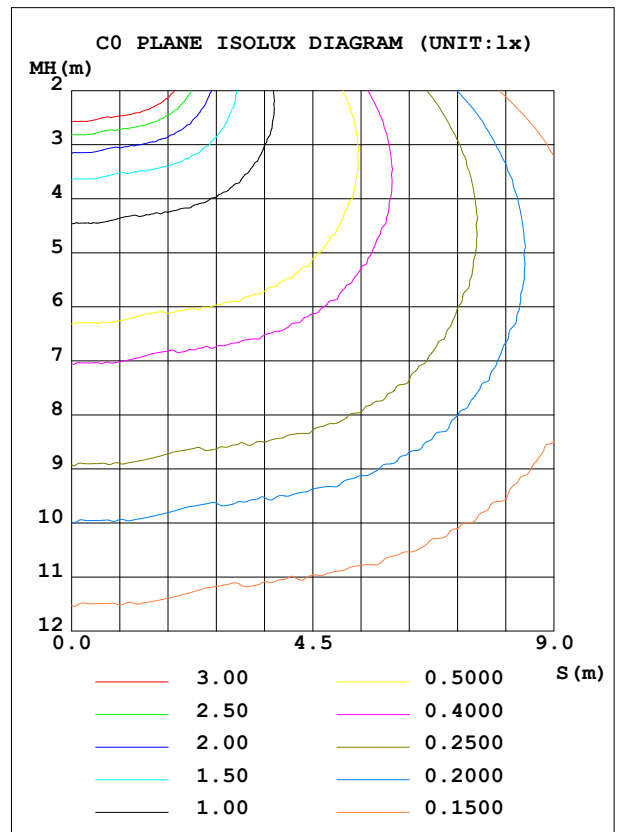
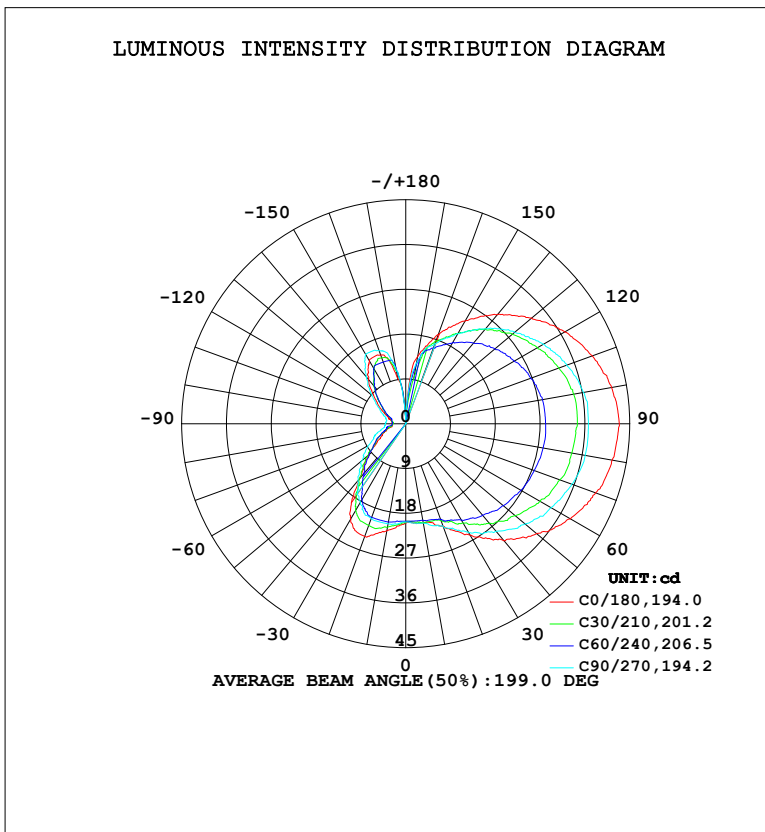


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7101-AB-WHT	Imax (cd)	42.94	S/MH (C0/180)	1.31
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.34
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	248.85	η UP, DN (C0-180)	38.1, 40.8
NOMINAL FLUX (lm)	248.845	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	9.2, 11.9
LAMPS INSIDE	1	η up (%)	47.3	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.211	η down (%)	52.7	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

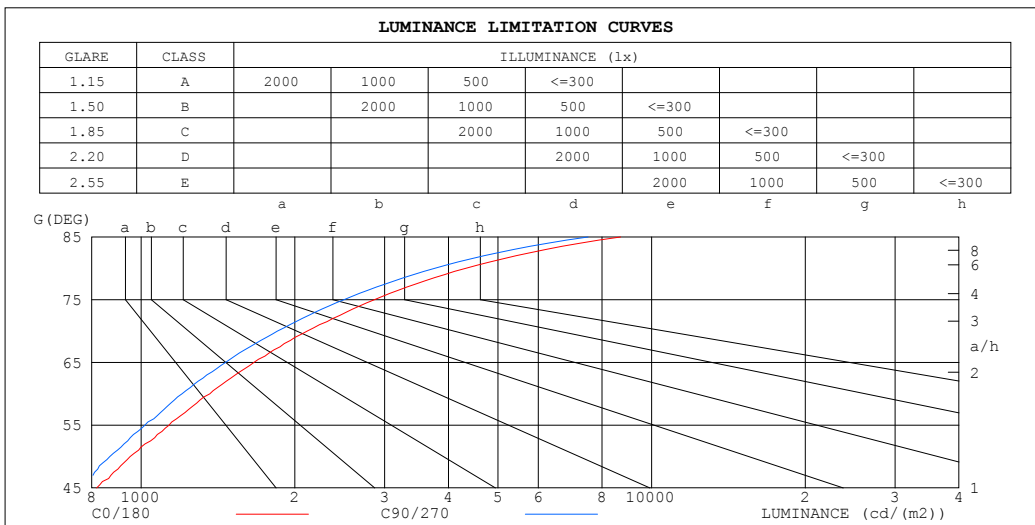
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum, lamp
10	20.21	19.66	20.26	21.38	21.84	20.26	20.42	20.76	0- 10	1.937	1.937	0.78,0.78
20	22.01	20.34	21.95	24.11	24.09	20.49	20.26	22.60	10- 20	6.047	7.984	3.21,3.21
30	25.86	22.18	25.19	28.46	22.10	18.23	18.26	20.85	20- 30	10.44	18.42	7.4,7.4
40	30.69	23.94	28.21	32.45	14.63	13.31	14.99	14.66	30- 40	13.98	32.40	13,13
50	34.32	25.69	31.31	36.00	9.702	9.471	11.40	9.393	40- 50	16.52	48.93	19.7,19.7
60	38.24	27.21	33.74	37.42	5.860	6.774	8.627	6.196	50- 60	18.67	67.59	27.2,27.2
70	40.60	28.44	35.50	38.52	4.106	4.597	6.610	4.301	60- 70	20.33	87.92	35.3,35.3
80	42.10	29.47	36.62	38.81	2.846	2.982	4.437	2.930	70- 80	21.37	109.3	43.9,43.9
90	42.91	29.54	36.69	38.77	2.723	2.598	4.133	2.921	80- 90	21.78	131.1	52.7,52.7
100	41.99	29.55	36.25	38.08	2.931	2.809	3.882	2.931	90-100	21.64	152.7	61.4,61.4
110	39.85	28.47	34.40	36.39	3.655	3.121	4.687	3.881	100-110	20.57	173.3	69.6,69.6
120	36.93	27.04	31.89	34.36	5.609	4.690	6.109	6.180	110-120	18.98	192.3	77.3,77.3
130	33.06	24.87	28.62	31.42	8.212	6.615	8.869	9.611	120-130	16.98	209.2	84.1,84.1
140	28.63	22.44	24.94	28.04	11.64	9.633	12.45	13.64	130-140	14.60	223.8	90,90
150	23.86	19.67	20.93	23.85	14.65	12.48	16.15	17.83	140-150	11.79	235.6	94.7,94.7
160	19.09	17.08	17.16	18.84	14.71	14.15	15.62	17.58	150-160	8.284	243.9	98,98
170	13.71	8.956	12.38	10.05	9.285	10.79	10.99	11.83	160-170	4.203	248.1	99.7,99.7
180	0	0	0	0	0	0	0	0	170-180	0.7305	248.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8697	7508
80	4322	3759
75	2863	2496
70	2116	1850
65	1663	1463
60	1363	1203
55	1134	1017
50	952	868
45	819	756

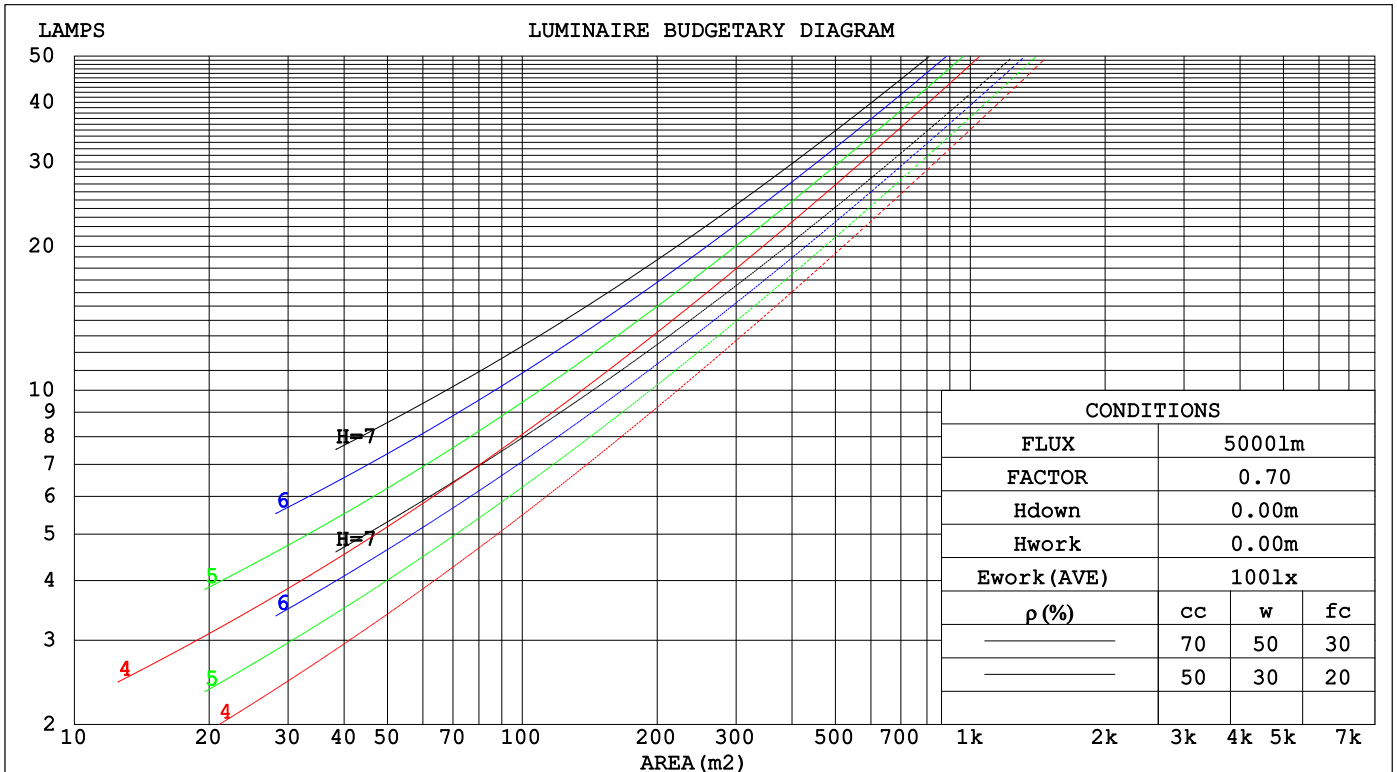
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz																
Lamp Flux:248.845x1 lm																
NAME:					TYPE:					WEIGHT:						
SPEC.:					DIM.:					SERIAL No.:						
MFR.:					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
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.08	1.08	1.08	.00	.00	.00	.85	.85	.85	.71	.71	.71	.59	.59	.59	.53
1.0	.88	.82	.78	.81	.76	.72	.68	.64	.61	.56	.53	.51	.45	.43	.41	.36
2.0	.75	.67	.60	.69	.62	.56	.57	.52	.47	.47	.43	.39	.37	.34	.32	.27
3.0	.64	.55	.48	.59	.51	.45	.49	.43	.38	.40	.36	.32	.32	.28	.25	.21
4.0	.56	.47	.40	.52	.43	.37	.43	.37	.31	.35	.30	.26	.28	.24	.21	.17
5.0	.50	.40	.34	.46	.37	.31	.38	.32	.27	.31	.26	.22	.25	.21	.18	.14
6.0	.44	.35	.29	.41	.33	.27	.34	.28	.23	.28	.23	.19	.22	.18	.15	.12
7.0	.40	.31	.25	.37	.29	.23	.31	.24	.20	.25	.20	.16	.20	.16	.13	.10
8.0	.36	.27	.22	.33	.25	.20	.28	.22	.17	.23	.18	.14	.18	.14	.11	.09
9.0	.33	.24	.19	.30	.23	.18	.25	.19	.15	.21	.16	.13	.17	.13	.10	.08
10.0	.30	.22	.17	.28	.20	.16	.23	.18	.13	.19	.15	.11	.16	.12	.09	.07



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

WEC AND CCEC

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz								
Lamp Flux:248.845x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.:			SUR.:			Shielding Angle:		

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.396	.225	.071	.375	.214	.068	.334	.192	.061	.297	.171	.055	.263	.152	.049	
2.0	.333	.183	.056	.314	.173	.053	.277	.154	.048	.243	.136	.043	.211	.120	.038	
3.0	.292	.156	.047	.274	.147	.044	.241	.130	.040	.209	.115	.035	.180	.100	.031	
4.0	.261	.136	.040	.245	.128	.038	.214	.113	.034	.185	.099	.030	.158	.086	.026	
5.0	.236	.120	.035	.221	.114	.033	.193	.100	.030	.166	.088	.026	.141	.076	.023	
6.0	.216	.108	.031	.202	.102	.029	.176	.090	.026	.151	.079	.023	.128	.067	.020	
7.0	.199	.098	.028	.186	.093	.026	.161	.082	.024	.139	.071	.021	.117	.061	.018	
8.0	.184	.090	.025	.172	.085	.024	.149	.075	.021	.128	.065	.019	.108	.056	.016	
9.0	.171	.083	.023	.160	.078	.022	.139	.069	.019	.119	.060	.017	.101	.051	.015	
10.0	.160	.077	.021	.150	.072	.020	.130	.064	.018	.111	.055	.016	.094	.047	.014	

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.551	.551	.551	.471	.471	.471	.321	.321	.321	.185	.185	.185	.059	.059	.059	
1.0	.550	.519	.491	.471	.445	.423	.322	.306	.292	.185	.177	.170	.059	.057	.055	
2.0	.544	.498	.459	.466	.428	.397	.319	.296	.277	.184	.172	.162	.059	.056	.053	
3.0	.537	.482	.439	.460	.416	.381	.316	.289	.267	.182	.169	.157	.059	.055	.052	
4.0	.529	.471	.426	.454	.407	.370	.312	.284	.261	.181	.166	.154	.058	.054	.051	
5.0	.522	.462	.417	.448	.400	.363	.309	.279	.256	.179	.164	.152	.058	.053	.050	
6.0	.515	.454	.411	.443	.394	.358	.305	.275	.253	.177	.162	.150	.057	.053	.050	
7.0	.508	.448	.406	.437	.389	.354	.302	.272	.251	.175	.160	.149	.057	.053	.049	
8.0	.502	.443	.403	.432	.384	.351	.299	.270	.249	.174	.159	.148	.056	.052	.049	
9.0	.496	.439	.400	.427	.381	.349	.296	.268	.248	.172	.158	.148	.056	.052	.049	
10.0	.490	.435	.398	.423	.377	.347	.293	.266	.247	.171	.157	.147	.055	.052	.049	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz										
Lamp Flux:248.845x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			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	11.6	12.7	12.5	13.6	14.7	10.6	11.7	11.4	12.5	13.6
3H	15.4	16.3	16.2	17.2	18.4	14.2	15.2	15.1	16.1	17.2
4H	17.4	18.4	18.3	19.3	20.4	16.2	17.2	17.1	18.1	19.2
6H	19.7	20.6	20.6	21.5	22.7	18.5	19.4	19.4	20.3	21.5
8H	20.9	21.8	21.8	22.7	23.9	19.8	20.6	20.7	21.5	22.7
12H	22.3	23.2	23.2	24.1	25.3	21.2	22.0	22.1	22.9	24.1
4H 2H	12.3	13.2	13.2	14.1	15.3	11.5	12.4	12.4	13.3	14.5
3H	16.1	17.0	17.1	17.9	19.1	15.1	15.9	16.0	16.8	18.0
4H	18.4	19.1	19.3	20.1	21.3	17.2	18.0	18.1	18.9	20.1
6H	20.9	21.5	21.8	22.5	23.7	19.6	20.3	20.6	21.2	22.5
8H	22.2	22.8	23.2	23.8	25.1	21.0	21.6	21.9	22.6	23.8
12H	23.8	24.3	24.7	25.3	26.6	22.5	23.1	23.5	24.1	25.4
8H 4H	18.8	19.4	19.8	20.4	21.7	17.9	18.5	18.8	19.5	20.7
6H	21.6	22.1	22.5	23.1	24.3	20.4	20.9	21.4	21.9	23.2
8H	23.1	23.6	24.1	24.6	25.9	21.9	22.4	22.9	23.4	24.7
12H	24.9	25.3	25.9	26.3	27.7	23.7	24.1	24.7	25.1	26.4
12H 4H	18.9	19.5	19.9	20.5	21.8	18.1	18.7	19.1	19.7	20.9
6H	21.7	22.2	22.7	23.2	24.5	20.7	21.2	21.7	22.2	23.5
8H	23.4	23.8	24.4	24.8	26.1	22.3	22.7	23.3	23.7	25.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117, 248.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.8)
 Area: 0.0561 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

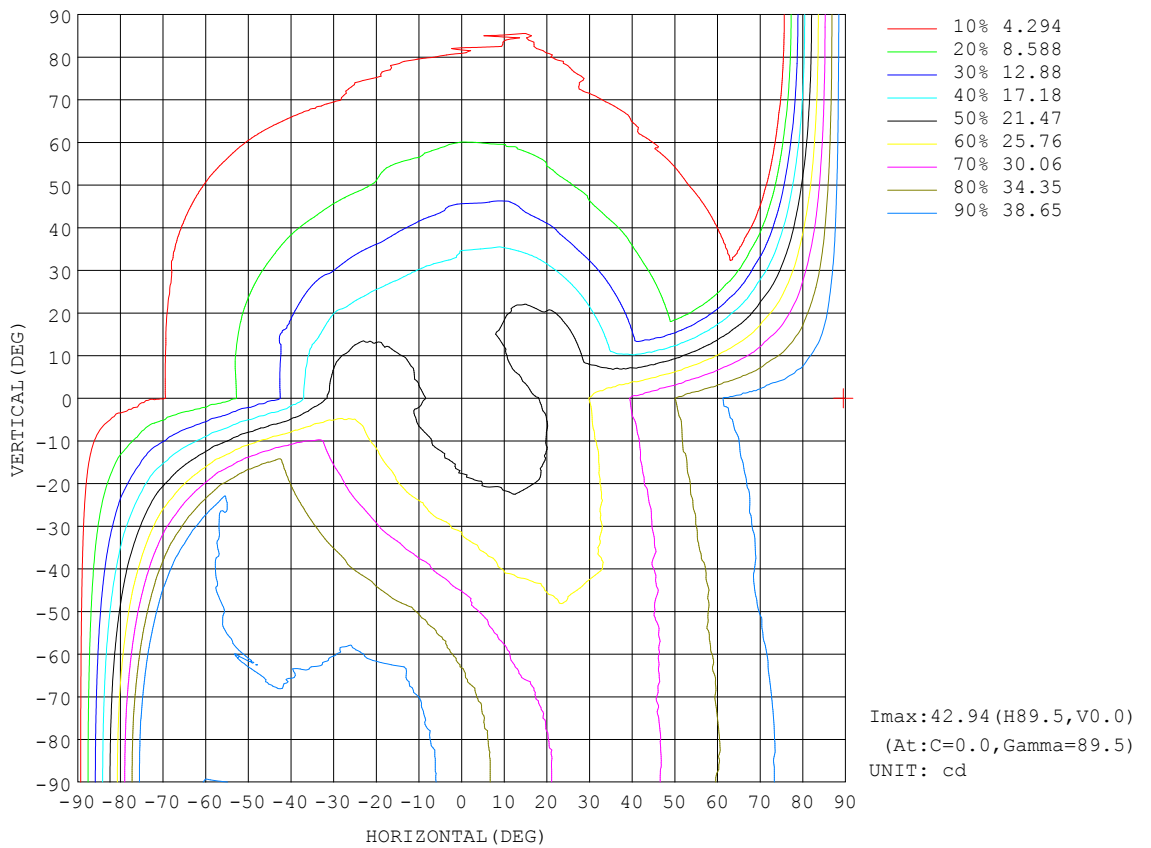
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	38	26	19	36	25	18	32	23	17	9
0.80	47	33	25	44	32	24	39	29	22	13
1.00	54	40	31	50	38	30	44	36	27	16
1.25	61	47	38	57	44	36	49	39	32	19
1.50	66	52	43	61	49	41	53	43	36	21
2.00	73	61	52	68	57	49	59	50	43	25
2.50	78	67	58	73	62	54	62	54	48	28
3.00	82	72	63	76	67	59	65	58	52	31
4.00	87	78	71	81	73	66	69	63	57	34
5.00	91	83	76	84	77	71	71	66	61	37
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:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



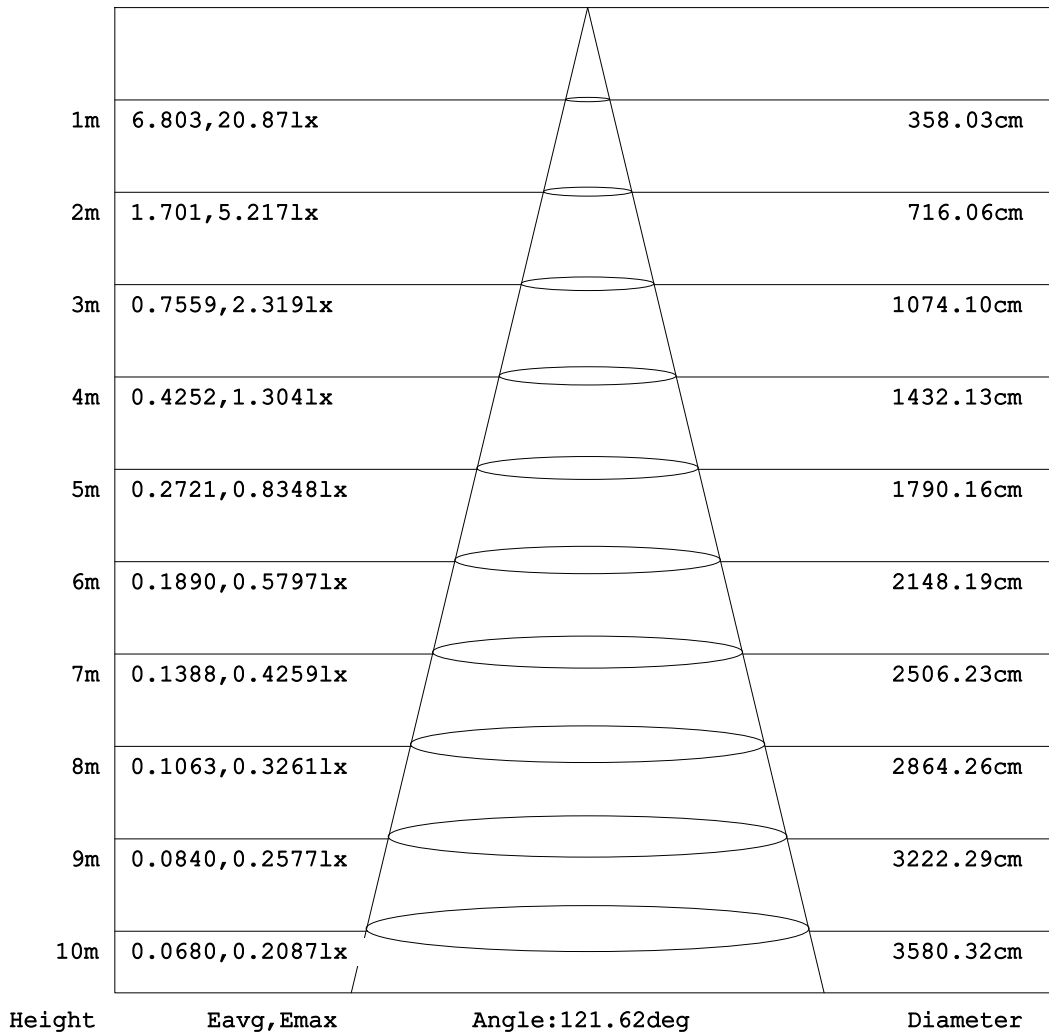
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

AAI Figure

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:69.56 lm



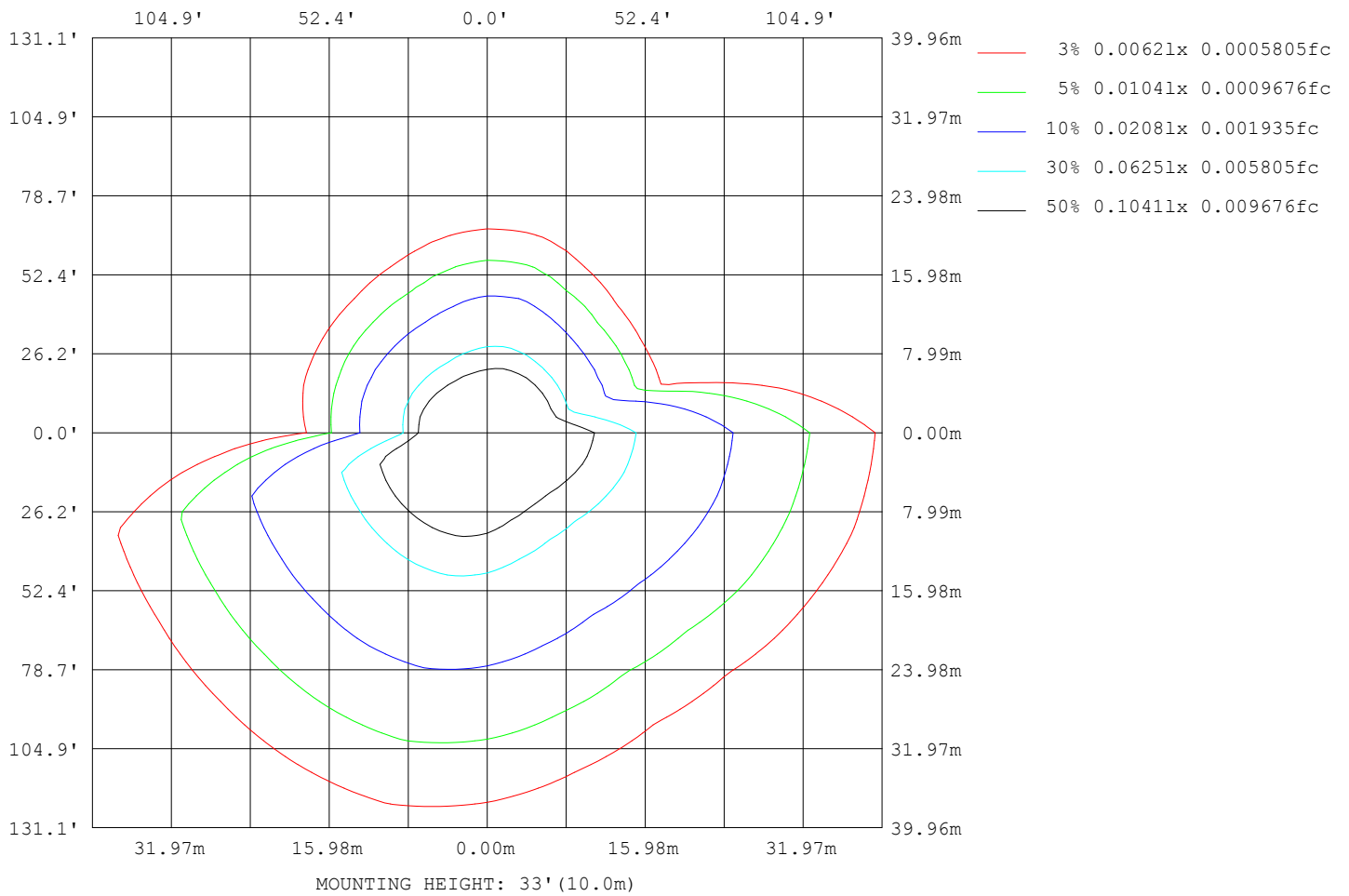
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

LED Avg.L Report

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

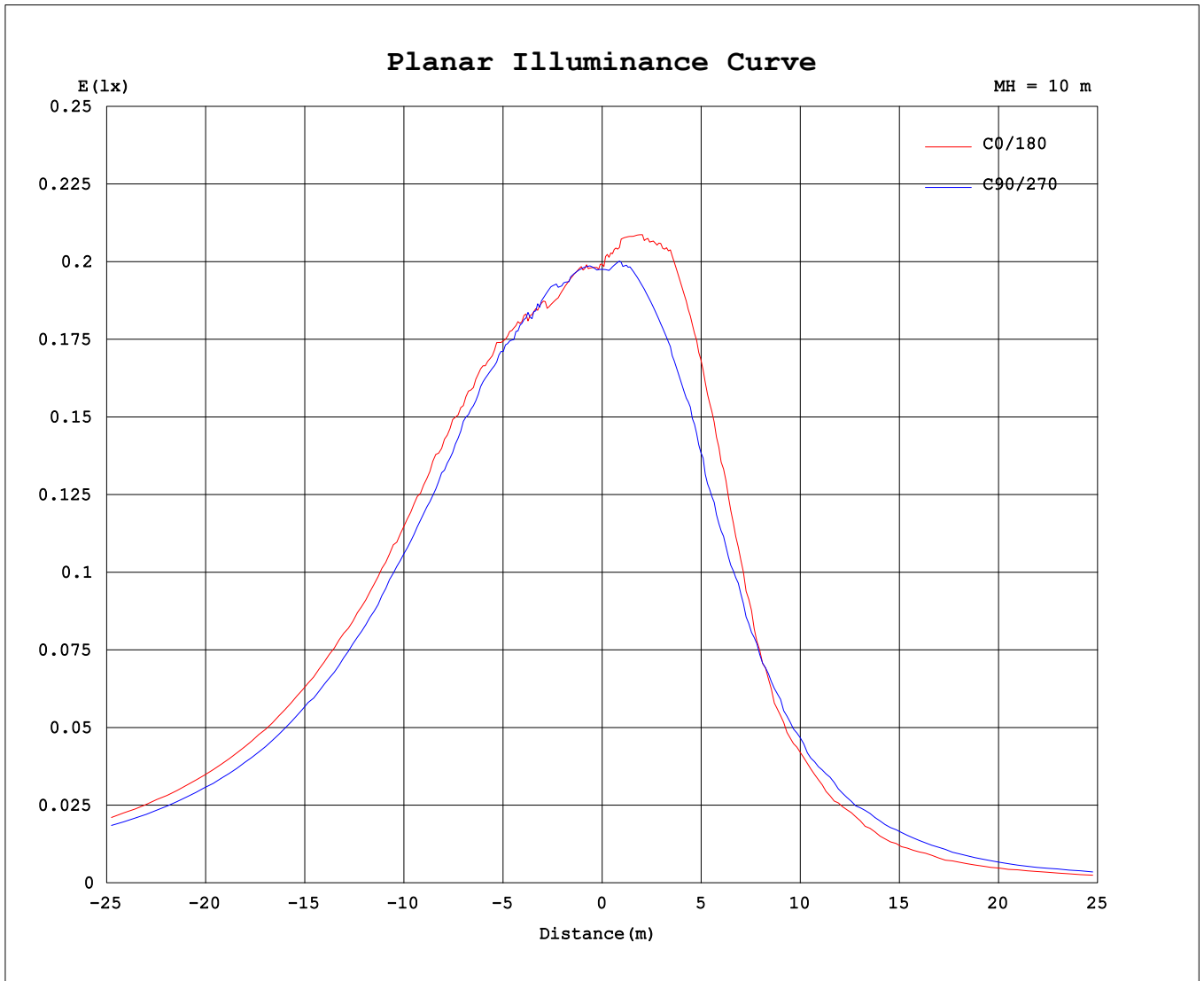
AvgL	cd/m2
L_0~180 (65) av	941
L_0~180 (75) av	1555
L_0~180 (85) av	4624
L_90~270 (65) av	882
L_90~270 (75) av	1427
L_90~270 (85) av	4191
L_45 (65) av	813
L_45 (75) av	1299
L_45 (85) av	3788

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.5°C
Operators: Dingmin Zhang
Test Date: 2025-12-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 30.000m [K=0.9305]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz		
Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	19.9	19.9	19.8	19.7	19.6	19.5	19.8	19.6	19.7	19.8	19.7	19.8	19.9	19.9	19.8	19.7	19.6	19.5	19.8
5	20.0	19.9	19.8	19.6	19.6	19.6	20.1	19.9	20.2	20.2	20.2	20.2	20.7	20.6	20.4	20.1	19.6	19.8	20.3
10	20.2	20.3	20.2	19.7	19.7	20.3	20.3	20.6	21.1	21.4	21.3	21.3	21.8	21.4	21.1	20.3	20.1	20.4	20.4
15	20.6	20.3	20.2	20.2	20.0	20.4	21.2	21.6	22.0	22.5	22.5	22.5	22.9	22.3	21.8	20.6	20.0	20.3	20.4
20	22.0	21.2	20.7	20.3	20.5	21.4	22.0	22.9	23.8	24.1	24.3	24.3	24.1	23.1	21.8	20.5	20.0	20.2	20.3
25	23.9	23.1	21.5	21.4	21.3	22.5	23.4	24.6	25.5	26.5	26.8	26.3	23.8	23.1	21.6	20.0	19.3	19.5	19.8
30	25.9	24.8	23.0	22.2	22.3	23.1	25.2	26.7	27.8	28.5	28.6	28.4	22.1	21.6	20.2	18.2	17.5	17.6	18.3
35	28.0	26.7	24.7	23.1	23.2	24.3	27.0	28.5	29.7	30.6	30.9	30.7	18.9	18.6	17.5	15.8	15.2	15.5	16.9
40	30.7	28.5	26.0	23.9	23.9	25.6	28.2	30.6	31.7	32.4	32.7	32.8	14.6	15.1	14.5	13.3	13.3	13.8	15.0
45	32.5	30.6	27.7	25.0	24.9	26.7	30.0	32.4	33.7	34.4	34.8	34.7	11.9	12.7	12.2	11.6	11.3	12.1	13.2
50	34.3	32.1	28.7	25.7	25.6	27.7	31.3	34.3	35.3	36.0	36.1	36.2	9.70	10.5	9.97	9.47	9.71	10.0	11.4
55	36.5	34.0	30.0	26.7	26.1	28.4	32.7	36.1	37.0	36.9	37.3	37.7	7.52	8.11	7.96	7.78	8.04	9.29	9.96
60	38.2	35.6	31.2	27.2	26.8	29.4	33.7	37.4	38.0	37.4	37.7	38.8	5.86	6.76	6.78	6.77	6.95	7.80	8.63
65	39.4	36.5	32.2	28.2	27.2	30.0	34.7	38.9	38.9	37.9	38.0	39.1	5.19	5.48	5.77	5.78	5.70	6.61	7.12
70	40.6	37.8	33.0	28.4	27.5	30.9	35.5	39.8	39.5	38.5	38.5	39.5	4.11	4.60	4.52	4.60	4.86	5.49	6.61
75	41.6	38.8	33.7	29.1	27.8	31.1	36.2	40.3	39.7	38.7	38.8	40.2	3.59	3.93	3.93	3.93	4.04	4.60	5.19
80	42.1	39.0	33.9	29.5	28.0	31.3	36.6	40.7	39.9	38.8	38.9	40.2	2.85	3.20	2.94	2.98	3.77	4.24	4.44
85	42.5	39.1	34.1	29.5	28.2	31.4	36.7	41.2	40.0	39.0	38.9	40.3	2.70	2.85	2.72	2.73	2.82	3.88	4.27
90	42.9	39.1	34.5	29.5	28.1	31.4	36.7	41.4	40.0	38.8	38.7	40.1	2.72	2.85	2.57	2.60	2.74	3.26	4.13
95	42.6	39.1	34.5	29.5	28.0	31.3	36.7	40.9	39.8	38.5	38.4	39.8	2.75	2.85	2.52	2.78	2.68	3.26	4.02
100	42.0	38.8	34.2	29.5	27.9	31.2	36.2	40.2	39.5	38.1	37.7	39.3	2.93	2.97	2.87	2.81	2.80	3.26	3.88
105	40.9	37.8	33.7	29.2	27.4	30.7	35.5	39.3	38.8	37.5	37.0	38.3	3.11	3.02	2.99	2.84	2.90	3.36	4.19
110	39.9	36.8	32.7	28.5	26.7	29.7	34.4	38.0	38.2	36.4	36.2	37.4	3.66	3.37	3.28	3.12	3.18	3.90	4.69
115	38.5	35.5	31.6	28.0	26.2	29.0	33.2	36.7	37.4	35.4	35.0	36.5	4.56	4.27	3.85	3.74	4.02	4.69	5.44
120	36.9	34.3	30.6	27.0	25.2	28.1	31.9	35.0	36.2	34.4	34.0	35.5	5.61	5.44	4.84	4.69	4.77	5.49	6.11
125	35.1	32.6	29.4	26.1	24.5	26.8	30.3	33.3	34.5	33.1	32.6	33.8	6.86	6.28	5.69	5.61	5.69	6.29	7.37
130	33.1	30.6	28.0	24.9	23.4	25.8	28.6	31.1	32.7	31.4	31.2	32.2	8.21	7.78	7.10	6.62	6.94	7.96	8.87
135	30.8	28.9	26.5	23.8	22.3	24.4	26.9	29.2	30.6	29.8	29.5	30.5	9.97	9.04	8.45	8.13	8.37	9.55	10.8
140	28.6	27.0	24.9	22.4	21.2	22.9	24.9	27.3	28.3	28.0	27.9	28.4	11.6	10.9	9.99	9.63	9.80	11.3	12.5
145	26.4	24.9	22.7	21.1	20.0	21.3	22.8	25.0	26.1	26.0	25.9	26.5	13.2	12.1	11.1	10.9	11.0	12.8	14.2
150	23.9	22.6	20.9	19.7	18.8	19.9	20.9	22.4	23.6	23.8	23.9	24.0	14.7	13.7	12.8	12.5	12.8	14.5	16.2
155	21.4	20.7	19.3	18.3	17.4	18.5	19.0	20.0	21.0	21.7	21.7	21.4	14.9	14.8	13.8	13.6	13.3	15.1	16.1
160	19.1	18.5	17.7	17.1	16.2	16.9	17.2	17.6	18.4	18.8	19.1	18.8	14.7	14.7	14.1	14.2	13.2	15.1	15.6
165	16.2	15.8	15.5	14.1	15.2	15.7	15.8	14.9	15.7	16.1	15.3	15.8	13.4	13.1	13.4	14.1	13.2	14.5	14.8
170	13.7	13.1	9.27	8.96	11.9	12.8	12.4	12.1	12.4	10.0	9.79	11.9	9.28	9.21	10.6	10.8	11.4	12.0	11.0
175	8.06	5.03	3.51	3.70	5.35	6.53	6.94	6.29	6.18	6.10	6.36	6.45	6.02	6.21	5.42	5.59	5.73	5.29	4.82
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.32V I:0.1893A P:22.638W PF:0.9937 Freq:60.01Hz Lamp Flux:248.845x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	19.6	19.7	19.8	19.7	19.8														
5	20.2	20.4	20.4	20.4	20.3														
10	20.7	20.8	20.8	20.6	20.8														
15	20.7	21.3	21.5	21.6	21.5														
20	20.7	21.5	22.6	22.8	22.9														
25	20.3	21.3	22.1	22.8	22.8														
30	19.1	20.0	20.9	21.3	21.3														
35	17.6	17.8	18.5	18.3	18.2														
40	15.6	15.2	14.7	14.7	14.6														
45	13.6	12.7	12.0	11.4	11.6														
50	12.1	10.6	9.39	9.29	9.37														
55	10.2	8.71	7.55	7.62	7.37														
60	8.61	7.20	6.20	5.78	5.93														
65	7.28	6.20	5.18	4.94	5.00														
70	6.69	5.15	4.30	4.07	4.03														
75	5.28	4.35	3.69	3.01	3.09														
80	4.60	4.01	2.93	2.69	2.81														
85	4.35	3.76	2.92	2.54	2.75														
90	4.21	3.75	2.92	2.51	2.69														
95	4.25	3.81	2.93	2.57	2.64														
100	4.30	4.01	2.93	2.59	2.65														
105	4.43	4.32	3.01	2.89	2.85														
110	4.77	4.94	3.88	3.35	3.35														
115	5.61	6.11	4.94	4.26	4.36														
120	6.71	7.37	6.18	5.54	5.44														
125	8.04	8.45	7.70	6.78	6.88														
130	9.46	10.2	9.61	8.69	8.20														
135	11.3	12.1	11.5	10.7	9.88														
140	13.4	14.0	13.6	12.8	12.0														
145	15.2	15.8	15.9	14.8	14.1														
150	17.1	17.6	17.8	17.0	16.0														
155	17.5	17.7	18.0	17.6	17.0														
160	16.7	17.3	17.6	17.5	16.7														
165	13.0	14.7	15.8	15.9	15.2														
170	9.28	9.39	11.8	13.2	13.2														
175	4.18	4.46	5.13	5.98	7.03														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks: