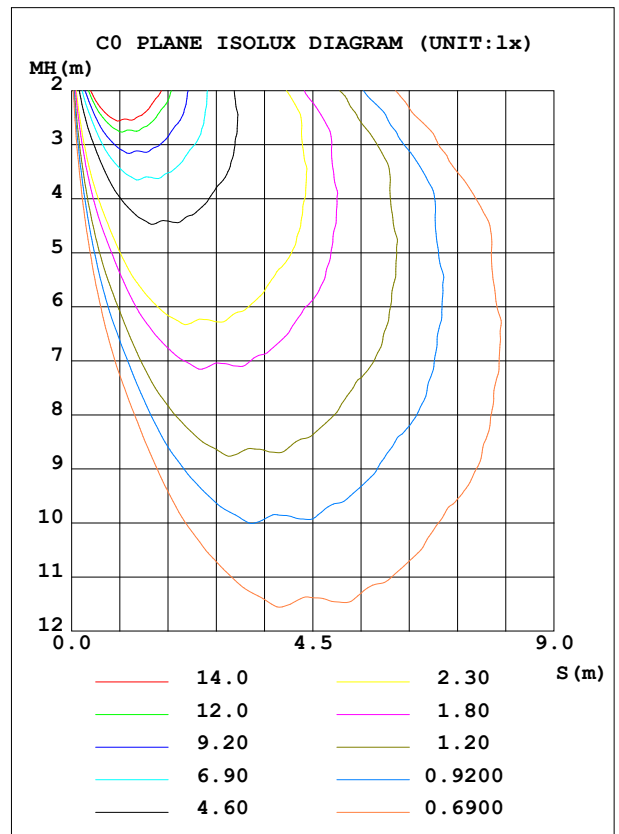
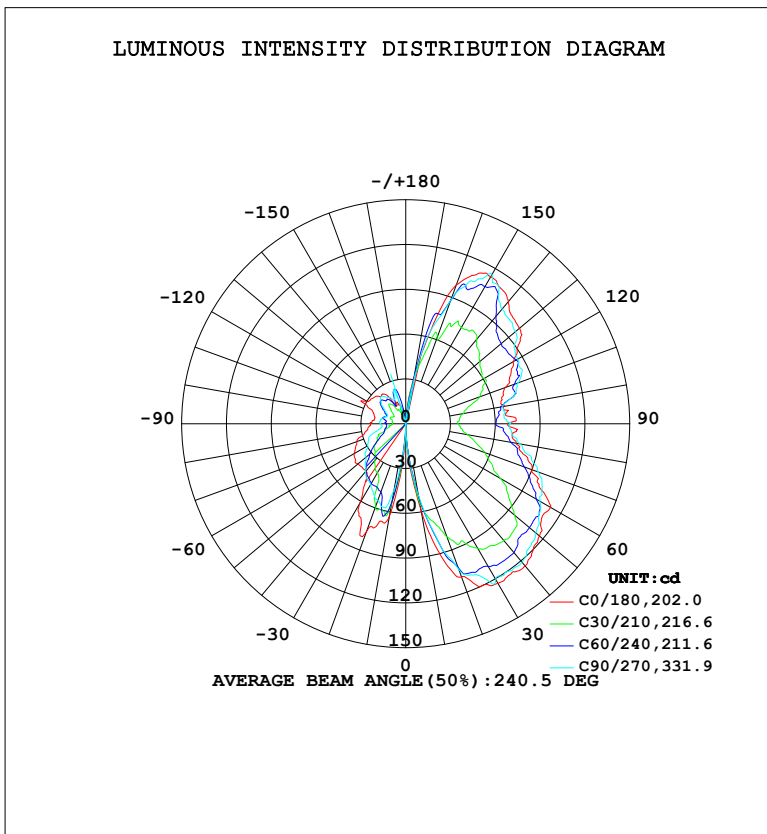


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7185-BK	Imax (cd)	124.6	S/MH (C0/180)	0.00
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.00
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	644.39	η UP, DN (C0-180)	36.2, 42.2
NOMINAL FLUX (lm)	644.386	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	7.1, 14.5
LAMPS INSIDE	1	η up (%)	43.3	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120.24	η down (%)	56.7	CIBSE SHR MAX	0.65



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:

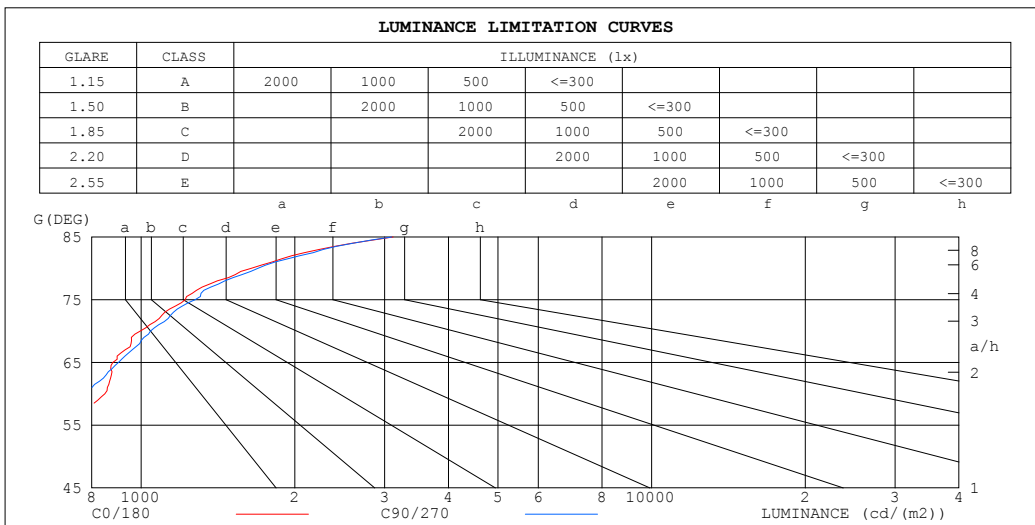
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	58.02	51.25	48.36	71.28	62.47	52.25	44.89	52.10	0- 10	3.205	3.205	0.50,0.50
20	109.1	90.99	103.6	91.07	76.40	55.20	54.84	57.09	10- 20	20.37	23.57	3.66,3.66
30	123.4	106.6	120.5	96.02	61.60	45.71	46.96	50.01	20- 30	36.71	60.28	9.35,9.35
40	124.3	107.6	121.0	98.13	41.55	42.13	42.01	34.96	30- 40	47.31	107.6	16.7,16.7
50	116.9	100.0	113.8	92.00	41.88	33.41	34.82	33.90	40- 50	54.02	161.6	25.1,25.1
60	112.1	91.91	103.6	86.72	39.99	24.71	29.21	29.96	50- 60	57.47	219.1	34,34
70	89.98	83.27	94.24	81.36	34.66	19.26	26.20	21.83	60- 70	55.24	274.3	42.6,42.6
80	75.34	67.97	77.67	79.44	26.60	16.24	16.99	13.06	70- 80	48.94	323.2	50.2,50.2
90	68.23	65.47	69.39	62.64	23.69	15.15	16.79	9.772	80- 90	42.09	365.3	56.7,56.7
100	66.29	64.59	65.79	67.47	21.17	18.95	16.82	7.694	90-100	39.05	404.4	62.8,62.8
110	70.65	67.22	79.90	66.05	23.53	17.75	14.06	8.466	100-110	39.85	444.2	68.9,68.9
120	83.12	70.23	86.72	76.58	29.85	19.00	15.33	13.23	110-120	42.13	486.4	75.5,75.5
130	99.67	75.03	95.83	92.41	27.66	22.25	21.35	14.06	120-130	43.17	529.5	82.2,82.2
140	107.0	85.18	100.4	103.0	25.20	23.21	24.18	16.16	130-140	41.10	570.6	88.6,88.6
150	113.7	91.64	115.6	119.4	16.47	13.24	19.83	13.63	140-150	35.98	606.6	94.1,94.1
160	99.13	81.36	87.34	101.5	13.23	12.53	24.12	12.33	150-160	25.86	632.5	98.2,98.2
170	31.52	31.04	24.64	38.44	5.861	11.58	3.603	2.595	160-170	11.10	643.6	99.9,99.9
180	0	0	0	0	0	0	0	0	170-180	0.8152	644.4	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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3118	3098
80	1643	1694
75	1220	1276
70	996	1043
65	880	903
60	849	785
55	732	717
50	688	671
45	645	628

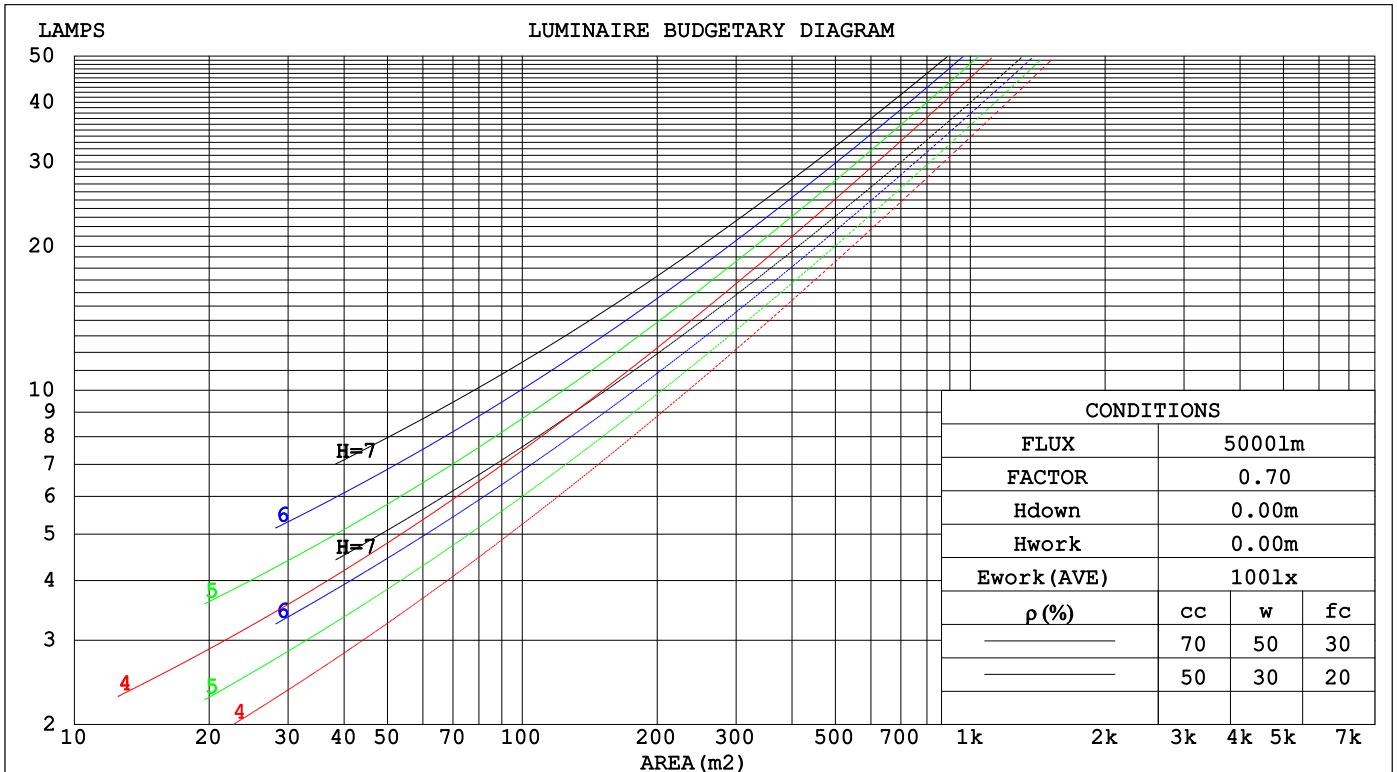
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz		
Lamp Flux:644.386x1 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
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.09	1.09	1.09	1.01	1.01	1.01	.87	.87	.87	.74	.74	.74	.62	.62	.62	.57
1.0	.90	.85	.81	.84	.79	.75	.72	.68	.65	.60	.58	.55	.50	.48	.46	.41
2.0	.77	.70	.63	.71	.65	.59	.61	.56	.51	.51	.47	.44	.42	.39	.37	.32
3.0	.67	.58	.51	.62	.54	.48	.53	.47	.42	.44	.39	.36	.36	.33	.30	.26
4.0	.58	.49	.42	.54	.46	.40	.46	.40	.34	.39	.34	.29	.32	.28	.25	.21
5.0	.51	.42	.36	.48	.40	.33	.41	.34	.29	.34	.29	.25	.28	.24	.21	.18
6.0	.46	.37	.30	.43	.34	.29	.36	.30	.25	.31	.25	.21	.25	.21	.18	.15
7.0	.41	.32	.26	.38	.30	.25	.33	.26	.22	.28	.22	.18	.23	.19	.15	.13
8.0	.37	.29	.23	.35	.27	.21	.30	.23	.19	.25	.20	.16	.21	.17	.14	.11
9.0	.34	.26	.20	.31	.24	.19	.27	.21	.17	.23	.18	.14	.19	.15	.12	.10
10.0	.31	.23	.18	.29	.22	.17	.25	.19	.15	.21	.16	.13	.18	.14	.11	.09



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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz								
Lamp Flux:644.386x1 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	.369	.210	.066	.349	.199	.063	.311	.178	.057	.276	.159	.051	.243	.141	.045	
2.0	.319	.175	.054	.301	.166	.051	.266	.148	.046	.234	.131	.041	.204	.116	.036	
3.0	.284	.151	.045	.267	.143	.043	.235	.128	.039	.206	.113	.035	.179	.099	.031	
4.0	.256	.133	.039	.240	.126	.037	.211	.112	.033	.184	.099	.030	.159	.087	.026	
5.0	.233	.119	.034	.219	.112	.033	.192	.100	.029	.167	.088	.026	.144	.077	.023	
6.0	.214	.107	.031	.201	.101	.029	.176	.090	.026	.153	.080	.023	.132	.069	.021	
7.0	.197	.098	.028	.185	.092	.026	.163	.082	.024	.141	.072	.021	.121	.063	.019	
8.0	.183	.089	.025	.172	.085	.024	.151	.075	.022	.131	.066	.019	.112	.058	.017	
9.0	.171	.083	.023	.160	.078	.022	.141	.070	.020	.122	.061	.018	.105	.053	.015	
10.0	.160	.077	.021	.150	.073	.020	.132	.065	.018	.115	.057	.016	.098	.049	.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	.520	.520	.520	.445	.445	.445	.304	.304	.304	.174	.174	.174	.056	.056	.056	
1.0	.517	.488	.462	.442	.419	.398	.303	.288	.275	.174	.167	.160	.056	.054	.052	
2.0	.511	.467	.430	.437	.402	.371	.300	.278	.259	.173	.162	.152	.055	.052	.049	
3.0	.504	.451	.409	.432	.389	.355	.297	.270	.249	.171	.158	.147	.055	.051	.048	
4.0	.497	.439	.395	.426	.380	.344	.293	.265	.242	.170	.155	.143	.055	.050	.047	
5.0	.490	.430	.386	.420	.372	.336	.290	.260	.237	.168	.153	.141	.054	.050	.046	
6.0	.483	.423	.380	.415	.366	.330	.286	.256	.234	.166	.151	.139	.054	.049	.046	
7.0	.476	.416	.375	.410	.361	.326	.283	.253	.231	.164	.149	.138	.053	.049	.046	
8.0	.470	.411	.371	.404	.357	.323	.280	.250	.229	.163	.148	.137	.053	.048	.045	
9.0	.464	.407	.368	.400	.353	.321	.277	.248	.228	.161	.147	.136	.052	.048	.045	
10.0	.458	.403	.366	.395	.350	.319	.274	.246	.227	.160	.145	.135	.052	.048	.045	

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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz										
Lamp Flux:644.386x1 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	10.1	11.2	10.9	12.0	13.0	10.1	11.2	10.8	12.0	13.0
3H	12.6	13.6	13.4	14.4	15.5	12.6	13.6	13.5	14.5	15.5
4H	14.0	14.9	14.8	15.8	16.9	14.1	15.0	14.9	15.9	17.0
6H	15.6	16.5	16.4	17.3	18.4	15.7	16.6	16.5	17.4	18.5
8H	16.5	17.4	17.4	18.2	19.3	16.6	17.5	17.5	18.3	19.4
12H	17.6	18.4	18.5	19.3	20.5	17.7	18.5	18.6	19.4	20.5
4H 2H	10.8	11.7	11.6	12.6	13.7	10.9	11.8	11.7	12.7	13.8
3H	13.2	14.0	14.1	14.9	16.0	13.7	14.5	14.6	15.4	16.5
4H	14.7	15.4	15.5	16.3	17.4	15.2	15.9	16.1	16.8	18.0
6H	16.4	17.0	17.3	17.9	19.1	16.8	17.4	17.7	18.3	19.5
8H	17.4	18.0	18.3	18.9	20.1	17.7	18.3	18.6	19.2	20.4
12H	18.7	19.2	19.6	20.2	21.4	18.8	19.4	19.8	20.4	21.6
8H 4H	15.2	15.8	16.1	16.8	18.0	15.7	16.3	16.6	17.3	18.5
6H	17.0	17.5	17.9	18.4	19.7	17.6	18.2	18.6	19.1	20.3
8H	18.0	18.5	19.0	19.5	20.7	18.7	19.2	19.7	20.1	21.4
12H	19.5	19.9	20.4	20.8	22.1	19.9	20.3	20.9	21.3	22.6
12H 4H	15.4	16.0	16.3	16.9	18.1	15.8	16.3	16.7	17.3	18.5
6H	17.3	17.8	18.3	18.7	20.0	17.9	18.3	18.8	19.3	20.5
8H	18.4	18.8	19.4	19.8	21.1	19.1	19.5	20.1	20.5	21.7
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 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.4 / - 0.3					+ 0.4 / - 0.3				

CIE Pub.117, 644.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.5)
 Area: 0.26407 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Temperature:24.5°C	Humidity:65.0%
Operators:Dingmin Zhang	Test Distance:30.000m [K=0.9305]
Test Date:2025-12-05	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

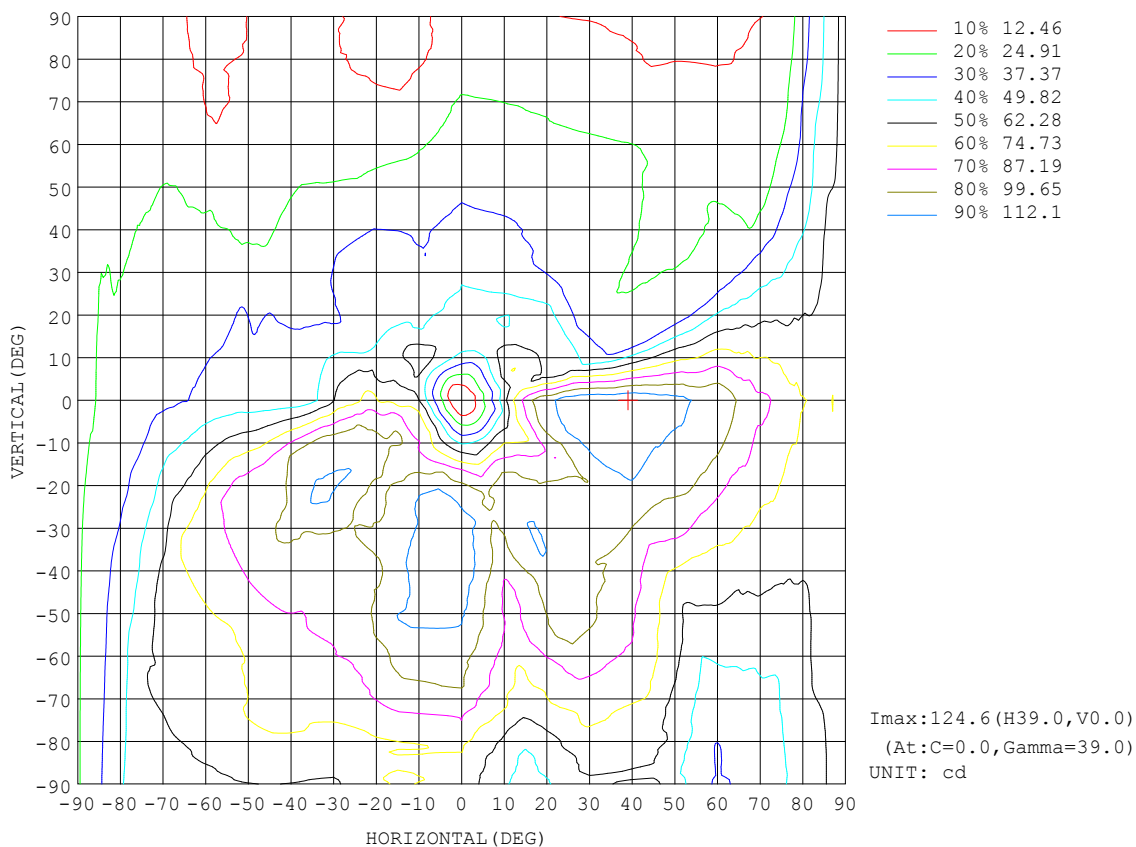
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	40	28	21	38	27	21	35	25	19	12
0.80	49	36	28	47	35	27	42	32	25	16
1.00	57	44	35	54	42	34	47	40	31	20
1.25	64	51	42	60	48	40	53	43	37	24
1.50	69	56	48	65	53	45	57	48	41	26
2.00	77	65	56	72	61	54	62	54	48	31
2.50	81	71	63	76	67	59	66	58	53	34
3.00	85	76	68	79	71	64	69	62	57	37
4.00	90	82	75	84	77	71	72	67	62	40
5.00	93	86	80	87	80	75	75	70	66	42
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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



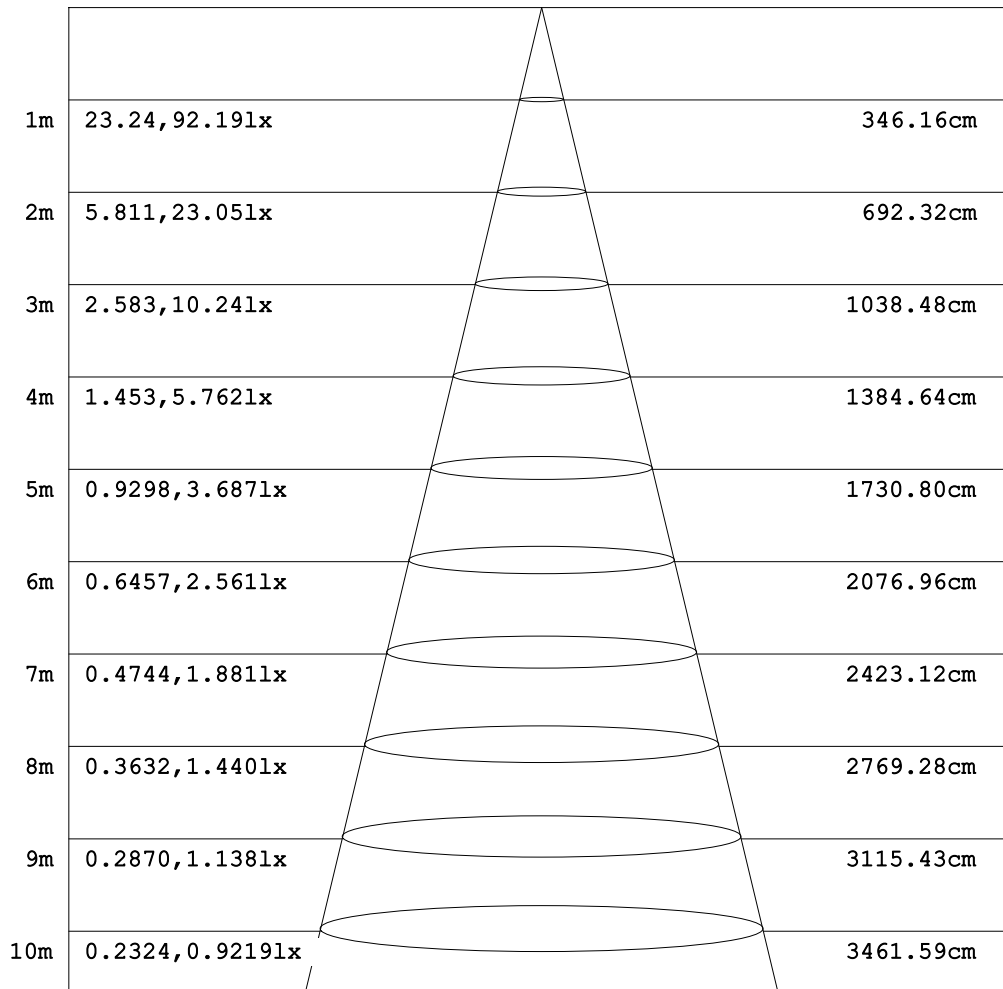
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.5°C
Operators:Dingmin Zhang
Test Date:2025-12-05

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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:219.1 lm



Height Eavg, Emax Angle:119.96deg Diameter

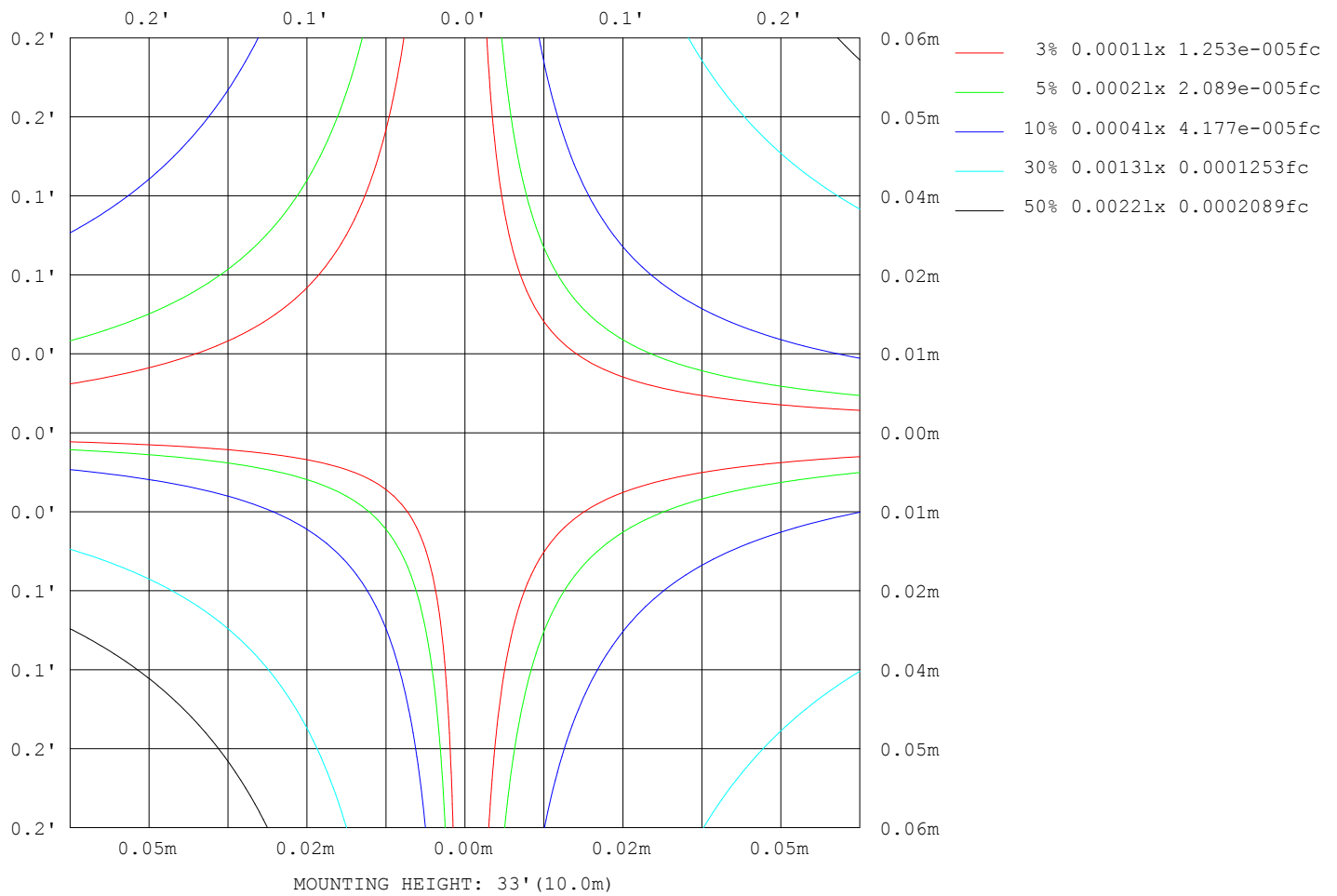
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

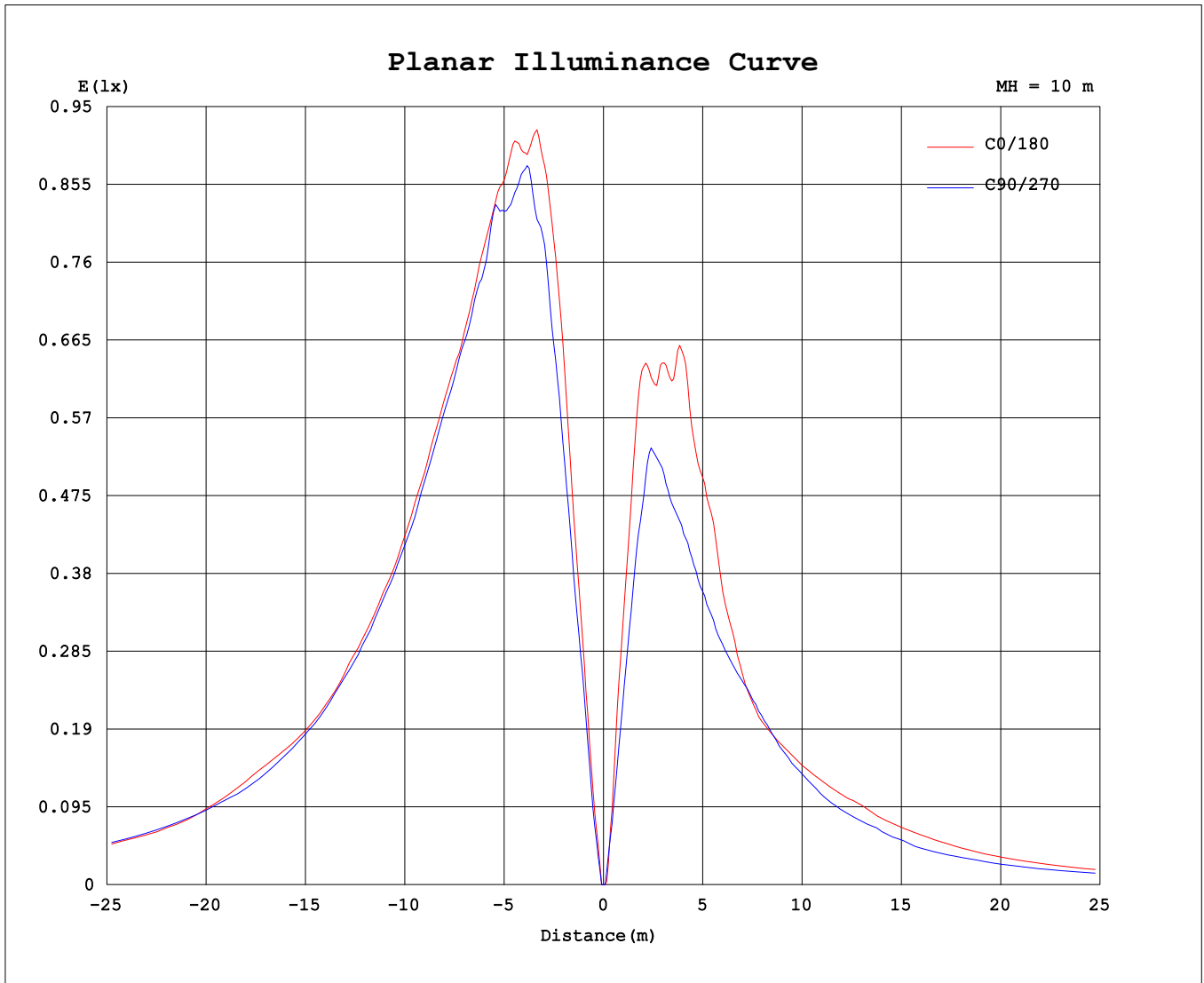
AvgL	cd/m2
L_0~180 (65) av	606
L_0~180 (75) av	828
L_0~180 (85) av	2100
L_90~270 (65) av	576
L_90~270 (75) av	792
L_90~270 (85) av	1895
L_45 (65) av	499
L_45 (75) av	688
L_45 (85) av	1735

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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz Lamp Flux:644.386x1 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	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
5	23.8	21.3	20.2	19.8	18.8	18.9	20.5	24.3	28.8	30.7	30.6	30.9	28.3	23.8	22.6	20.2	17.4	18.5	19.7
10	58.0	50.2	53.9	51.3	48.5	48.2	48.4	54.8	60.9	71.3	73.6	73.6	62.5	56.0	53.5	52.3	52.7	50.0	44.9
15	91.8	83.7	67.1	77.3	79.1	71.0	78.3	83.0	83.6	87.6	91.3	89.4	67.6	61.6	60.2	68.5	61.8	55.1	57.9
20	109	105	80.5	91.0	102	89.4	104	108	102	91.1	103	96.0	76.4	59.9	58.8	55.2	48.5	52.1	54.8
25	120	111	87.0	98.4	110	96.5	112	121	107	96.5	109	106	70.9	62.9	43.8	48.0	46.6	44.9	51.5
30	123	117	96.4	107	110	98.3	121	118	103	96.0	111	103	61.6	56.3	38.1	45.7	46.1	38.7	47.0
35	123	121	99.6	109	113	95.3	121	118	103	96.8	114	106	46.8	47.2	35.4	45.6	43.8	37.3	45.2
40	124	119	102	108	113	91.0	121	118	101	98.1	114	102	41.6	41.3	32.5	42.1	41.7	36.0	42.0
45	120	112	102	102	108	84.2	117	115	95.8	93.9	105	95.4	41.3	40.2	29.1	36.2	36.9	32.3	38.3
50	117	105	95.0	100	108	82.3	114	115	96.0	92.0	102	91.2	41.9	36.9	27.5	33.4	31.9	28.8	34.8
55	111	102	83.9	95.0	108	82.3	109	111	94.6	89.1	96.7	92.3	41.3	38.6	26.0	29.6	26.1	27.4	32.6
60	112	89.2	73.3	91.9	101	78.1	104	105	89.6	86.7	89.4	86.7	40.0	32.3	21.5	24.7	21.3	22.7	29.2
65	98.3	78.4	63.7	87.5	92.1	72.6	101	101	85.3	84.2	82.7	80.7	37.0	30.7	20.4	24.0	17.3	18.4	27.8
70	90.0	70.7	56.7	83.3	84.3	69.5	94.2	95.4	79.9	81.4	73.8	78.1	34.7	30.7	15.8	19.3	15.3	14.1	26.2
75	83.4	63.0	48.4	75.9	77.7	62.0	87.2	82.3	76.8	78.3	72.0	69.0	29.8	28.1	13.2	17.9	14.6	11.2	21.1
80	75.3	53.9	42.0	68.0	71.7	52.1	77.7	75.9	70.1	79.4	69.0	63.0	26.6	23.2	11.0	16.2	13.4	8.88	17.0
85	71.8	49.1	37.3	64.8	66.4	46.9	71.3	73.6	65.9	68.8	65.8	60.3	24.9	23.0	9.46	14.6	12.9	8.45	15.9
90	68.2	48.3	35.1	65.5	60.4	42.9	69.4	76.7	60.5	62.6	60.7	60.3	23.7	21.4	8.85	15.2	13.3	7.96	16.8
95	67.2	50.6	36.1	60.4	62.5	40.6	66.0	74.9	54.8	63.5	60.2	59.0	22.7	20.2	8.87	17.4	13.4	7.82	17.5
100	66.3	50.4	38.9	64.6	64.4	41.3	65.8	71.9	55.5	67.5	60.8	63.6	21.2	18.2	9.27	18.9	14.0	7.70	16.8
105	66.5	57.8	43.1	68.0	75.2	49.8	75.6	69.7	58.5	67.9	61.4	63.1	21.9	18.9	9.36	18.3	15.8	9.38	15.6
110	70.6	60.7	52.8	67.2	77.6	55.4	79.9	73.2	59.3	66.0	64.8	66.8	23.5	20.4	11.1	17.7	14.0	10.6	14.1
115	77.6	66.7	56.9	67.2	82.6	61.4	86.1	79.5	61.4	69.3	67.9	73.3	28.5	22.7	10.7	19.1	14.3	11.6	13.4
120	83.1	69.3	60.7	70.2	85.2	67.1	86.7	81.6	63.4	76.6	73.7	79.7	29.8	23.1	9.38	19.0	16.4	13.1	15.3
125	92.2	75.4	61.9	73.4	83.4	69.7	88.6	85.1	65.2	87.8	84.6	88.7	28.7	22.5	9.71	20.9	19.7	16.2	18.1
130	99.7	79.9	64.8	75.0	83.5	67.5	95.8	86.7	65.5	92.4	100	96.5	27.7	22.8	12.0	22.2	22.5	17.3	21.3
135	101	82.8	69.3	76.8	86.2	69.2	98.4	89.7	65.5	100	105	107	26.1	22.8	14.7	24.2	22.7	19.6	24.1
140	107	91.6	73.9	85.2	94.0	74.0	100	91.2	66.2	103	103	106	25.2	22.6	17.3	23.2	20.4	20.0	24.2
145	111	98.6	76.6	92.3	107	86.5	108	97.3	70.2	112	108	109	24.0	18.5	15.7	20.5	19.9	20.5	21.5
150	114	110	74.6	91.6	106	93.7	116	104	77.2	119	118	109	16.5	11.7	10.6	13.2	13.6	18.4	19.8
155	110	97.6	71.8	96.4	99.0	91.2	105	100	75.8	114	118	95.9	13.9	13.7	9.28	15.4	17.8	11.6	17.8
160	99.1	81.8	61.4	81.4	87.7	86.6	87.3	96.1	76.3	101	91.8	85.0	13.2	13.3	7.85	12.5	23.6	10.6	24.1
165	64.6	59.8	48.3	59.0	76.1	73.3	64.3	68.8	70.8	69.3	69.6	69.6	12.2	12.1	8.53	16.3	22.6	15.0	10.4
170	31.5	27.8	28.0	31.0	27.4	28.3	24.6	22.5	29.3	38.4	41.5	43.5	5.86	6.10	7.28	11.6	11.1	2.51	3.60
175	9.16	7.65	3.43	4.53	5.88	6.46	5.10	4.65	4.86	5.36	7.28	11.8	1.67	1.70	1.09	0.00	0.00	0.00	0.00
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:120.24V I:0.5202A P:62.337W PF:0.9966 Freq:60.01Hz		
Lamp Flux:644.386x1 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	0.00	0.00	0.00	0.00	0.00															
5	19.8	21.4	24.0	24.9	22.5															
10	40.8	43.8	52.1	57.5	53.2															
15	55.5	58.6	67.3	74.6	66.0															
20	53.2	48.6	57.1	64.6	61.1															
25	52.7	51.0	57.2	59.1	55.3															
30	45.9	45.8	50.0	43.9	48.5															
35	42.7	38.0	37.2	29.5	38.9															
40	39.6	36.2	35.0	25.0	34.1															
45	35.5	34.4	34.7	23.6	33.3															
50	32.5	33.4	33.9	21.6	34.1															
55	31.0	32.0	32.1	20.3	33.0															
60	30.3	31.9	30.0	18.4	31.5															
65	28.4	26.0	27.0	19.0	30.7															
70	24.4	21.7	21.8	22.7	27.0															
75	21.3	21.3	16.0	18.8	22.7															
80	15.8	18.1	13.1	14.8	19.9															
85	15.0	14.6	11.5	11.2	16.6															
90	13.4	11.6	9.77	9.81	13.6															
95	12.2	9.60	9.21	5.61	11.9															
100	9.96	9.33	7.69	5.06	11.1															
105	9.11	8.93	7.52	5.10	11.4															
110	8.09	8.67	8.47	6.11	12.0															
115	8.79	8.62	10.9	8.78	12.9															
120	9.77	9.87	13.2	13.4	14.2															
125	12.1	13.6	13.4	13.0	14.3															
130	13.7	15.5	14.1	13.0	14.6															
135	14.2	17.6	15.4	12.8	13.4															
140	13.9	18.7	16.2	12.5	11.9															
145	13.8	18.6	16.2	11.6	9.62															
150	14.9	12.2	13.6	13.7	4.44															
155	21.7	19.8	10.8	12.3	5.97															
160	24.5	25.6	12.3	9.88	14.2															
165	7.87	11.2	7.77	8.25	8.53															
170	4.93	4.20	2.59	1.72	2.61															
175	0.17	0.00	0.00	0.00	0.92															
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: