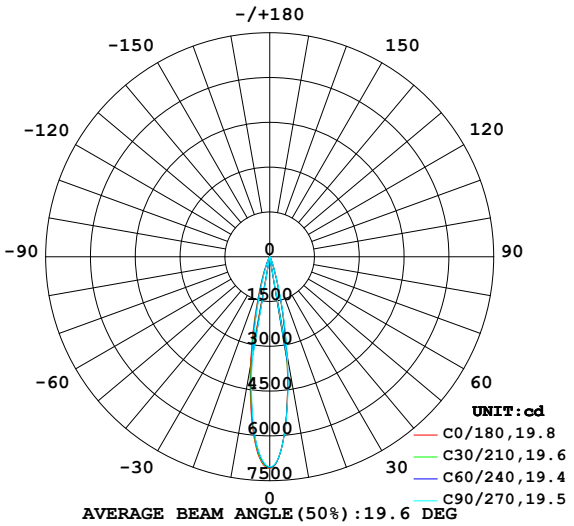
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.07V I:0.0687A P:14.606W PF:0.9654 Freq:50.00Hz Lamp Flux:994.183x1 lm		
NAME: 14W-15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

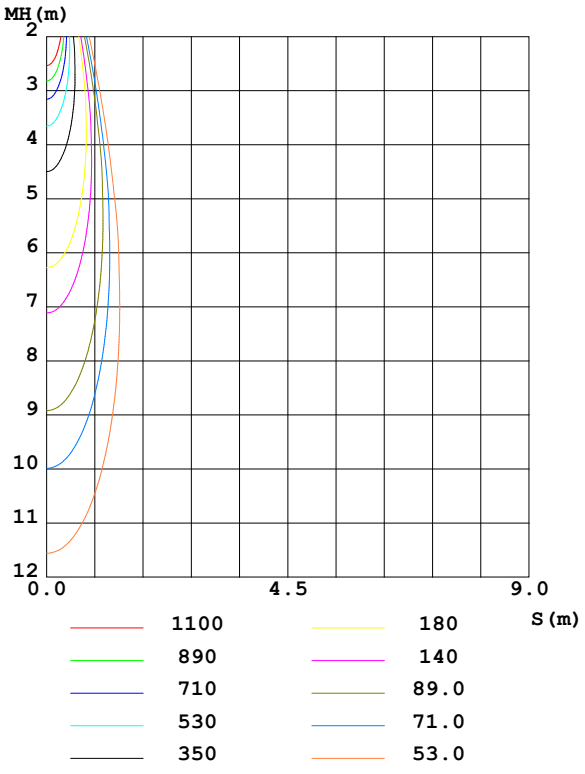
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 68.06 lm/W	
MODEL		Imax(cd)	7084	S/MH(C0/180)	0.36
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	994.18	η UP,DN(C0-180)	0.0,49.4
NOMINAL FLUX(lm)	994.183	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):19.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [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	3256	3346	3389	3609	3720	3467	3376	3295	0- 10	479.6	479.6	48.2,48.2
20	374.5	379.8	409.5	565.3	644.5	529.7	478.0	414.8	10- 20	407.2	886.7	89.2,89.2
30	53.44	55.78	54.51	68.97	81.65	71.24	64.86	57.49	20- 30	86.35	973.1	97.9,97.9
40	5.502	4.618	5.896	8.993	13.05	13.53	11.43	8.215	30- 40	17.71	990.8	99.7,99.7
50	0.6987	0.6487	0.7070	1.198	2.035	2.106	1.524	0.8471	40- 50	2.541	993.3	99.9,99.9
60	0.2155	0.2088	0.2306	0.2712	0.3459	0.3579	0.3392	0.2653	50- 60	0.4838	993.8	100,100
70	0.1270	0.1137	0.1448	0.1838	0.2336	0.2466	0.2158	0.1743	60- 70	0.2233	994.0	100,100
80	0.0290	0.0257	0.0337	0.0513	0.0730	0.0764	0.0666	0.0555	70- 80	0.1112	994.2	100,100
90	0	0	0	0	0.0096	0.0137	0.0080	0.0064	80- 90	0.0246	994.2	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 992.55 lm

%lum = 99.8%
%lamp = 99.8%

Conical surface Flux(120deg): 993.82 lm

%lum = 100.0%
%lamp = 100.0%

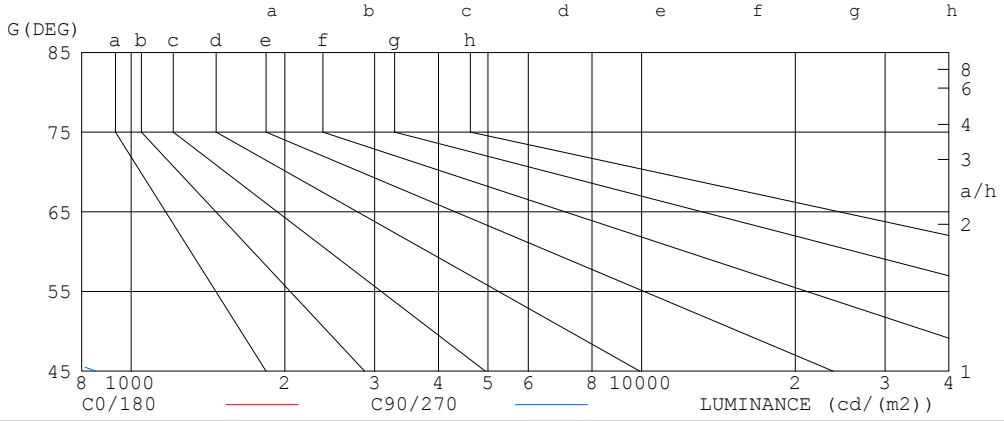
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

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



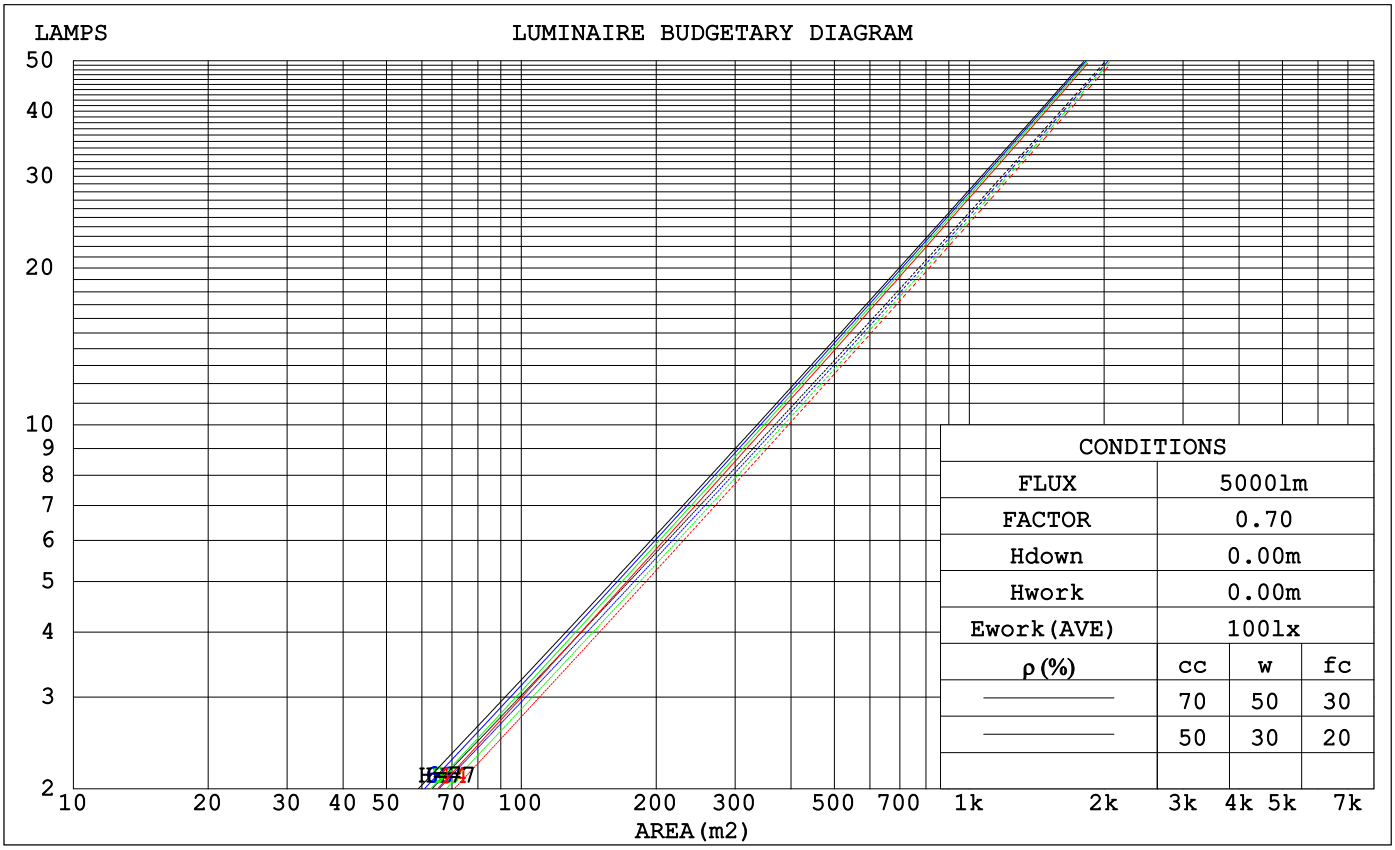
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2	10
80	44	51
75	68	74
70	98	111
65	115	122
60	113	121
55	171	181
50	286	289
45	748	852

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.14	1.12	1.10	1.11	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.00	.00	.99	.98
2.0	1.09	1.06	1.04	1.07	1.05	1.03	1.04	1.02	1.01	1.01	.00	.99	.99	.98	.97	.95
3.0	1.05	1.02	.99	1.04	1.01	.99	1.01	.99	.97	.99	.97	.96	.97	.96	.94	.93
4.0	1.02	.98	.96	1.01	.97	.95	.99	.96	.94	.97	.95	.93	.95	.93	.92	.91
5.0	.99	.95	.92	.98	.95	.92	.96	.94	.91	.95	.92	.91	.94	.92	.90	.89
6.0	.96	.92	.90	.95	.92	.90	.94	.91	.89	.93	.90	.88	.92	.90	.88	.87
7.0	.94	.90	.87	.93	.90	.87	.92	.89	.87	.91	.88	.86	.90	.88	.86	.85
8.0	.91	.88	.85	.91	.88	.85	.90	.87	.85	.89	.87	.85	.89	.86	.84	.84
9.0	.89	.86	.84	.89	.86	.83	.88	.85	.83	.88	.85	.83	.87	.84	.83	.82
10.0	.87	.84	.82	.87	.84	.82	.87	.84	.82	.86	.83	.81	.85	.83	.81	.80



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

WEC AND CCEC

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	.124	.071	.022	.118	.067	.021	.105	.061	.019	.094	.054	.017	.084	.049	.016	
2.0	.114	.062	.019	.109	.060	.018	.098	.055	.017	.089	.050	.016	.081	.046	.014	
3.0	.105	.056	.017	.101	.054	.016	.092	.050	.015	.085	.046	.014	.077	.043	.013	
4.0	.098	.051	.015	.094	.049	.015	.087	.046	.014	.081	.043	.013	.075	.041	.012	
5.0	.092	.047	.014	.088	.045	.013	.083	.043	.013	.077	.041	.012	.072	.038	.012	
6.0	.086	.043	.012	.084	.042	.012	.078	.040	.012	.074	.038	.011	.069	.037	.011	
7.0	.081	.040	.011	.079	.039	.011	.075	.038	.011	.071	.036	.011	.067	.035	.010	
8.0	.077	.038	.011	.075	.037	.010	.072	.036	.010	.068	.034	.010	.065	.033	.010	
9.0	.074	.036	.010	.072	.035	.010	.069	.034	.010	.066	.033	.009	.063	.032	.009	
10.0	.070	.034	.009	.069	.033	.009	.066	.032	.009	.063	.031	.009	.061	.030	.009	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.167	.158	.149	.143	.135	.128	.098	.093	.089	.056	.054	.052	.018	.017	.017	
2.0	.149	.133	.120	.127	.114	.103	.087	.079	.072	.050	.046	.042	.016	.015	.014	
3.0	.133	.113	.098	.114	.098	.085	.078	.068	.059	.045	.040	.035	.014	.013	.011	
4.0	.120	.098	.081	.103	.084	.070	.071	.059	.049	.041	.034	.029	.013	.011	.010	
5.0	.108	.085	.068	.093	.074	.059	.064	.051	.042	.037	.030	.025	.012	.010	.008	
6.0	.099	.075	.057	.085	.065	.050	.059	.045	.035	.034	.027	.021	.011	.009	.007	
7.0	.091	.066	.049	.078	.058	.043	.054	.040	.030	.031	.024	.018	.010	.008	.006	
8.0	.084	.060	.043	.073	.052	.037	.050	.036	.026	.029	.021	.016	.009	.007	.005	
9.0	.078	.054	.037	.068	.047	.032	.047	.033	.023	.027	.019	.014	.009	.006	.005	
10.0	.073	.049	.033	.063	.042	.028	.044	.030	.020	.026	.018	.012	.008	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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	0.8	1.3	1.0	1.5	1.6	0.9	1.4	1.0	1.6	1.7
	3H	0.7	1.2	0.9	1.4	1.5	0.7	1.3	1.0	1.4	1.6
	4H	0.6	1.1	0.8	1.3	1.5	0.7	1.2	0.9	1.4	1.6
	6H	0.5	1.0	0.8	1.2	1.4	0.6	1.1	0.8	1.3	1.5
	8H	0.5	0.9	0.7	1.2	1.4	0.5	1.0	0.8	1.2	1.5
	12H	0.4	0.9	0.7	1.1	1.4	0.5	0.9	0.8	1.2	1.5
4H	2H	0.6	1.1	0.8	1.3	1.5	0.6	1.1	0.9	1.4	1.6
	3H	0.4	0.9	0.7	1.1	1.4	0.5	0.9	0.8	1.2	1.5
	4H	0.3	0.7	0.7	1.0	1.3	0.4	0.8	0.7	1.1	1.4
	6H	0.2	0.6	0.6	0.9	1.3	0.3	0.7	0.7	1.0	1.3
	8H	0.2	0.5	0.6	0.9	1.2	0.2	0.6	0.6	0.9	1.3
	12H	0.1	0.4	0.5	0.8	1.2	0.2	0.5	0.6	0.9	1.3
8H	4H	0.2	0.5	0.6	0.9	1.2	0.2	0.6	0.6	0.9	1.3
	6H	0.1	0.3	0.5	0.7	1.1	0.1	0.4	0.5	0.8	1.2
	8H	-0.0	0.3	0.4	0.7	1.1	0.1	0.3	0.5	0.7	1.2
	12H	-0.1	0.2	0.4	0.6	1.1	0.0	0.2	0.5	0.7	1.1
12H	4H	0.1	0.4	0.5	0.8	1.2	0.2	0.5	0.6	0.9	1.3
	6H	-0.0	0.3	0.4	0.7	1.1	0.1	0.3	0.5	0.7	1.2
	8H	-0.1	0.2	0.4	0.6	1.1	0.0	0.2	0.5	0.7	1.1
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 4.6 / -11.8					+ 4.7 / -11.5				
1.5H		+ 7.2 / -11.1					+ 7.2 / -10.9				
2.0H		+ 6.3 / - 3.6					+ 6.6 / - 3.9				

CIE Pub.117, 994.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.0)
Area: 0.0038 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

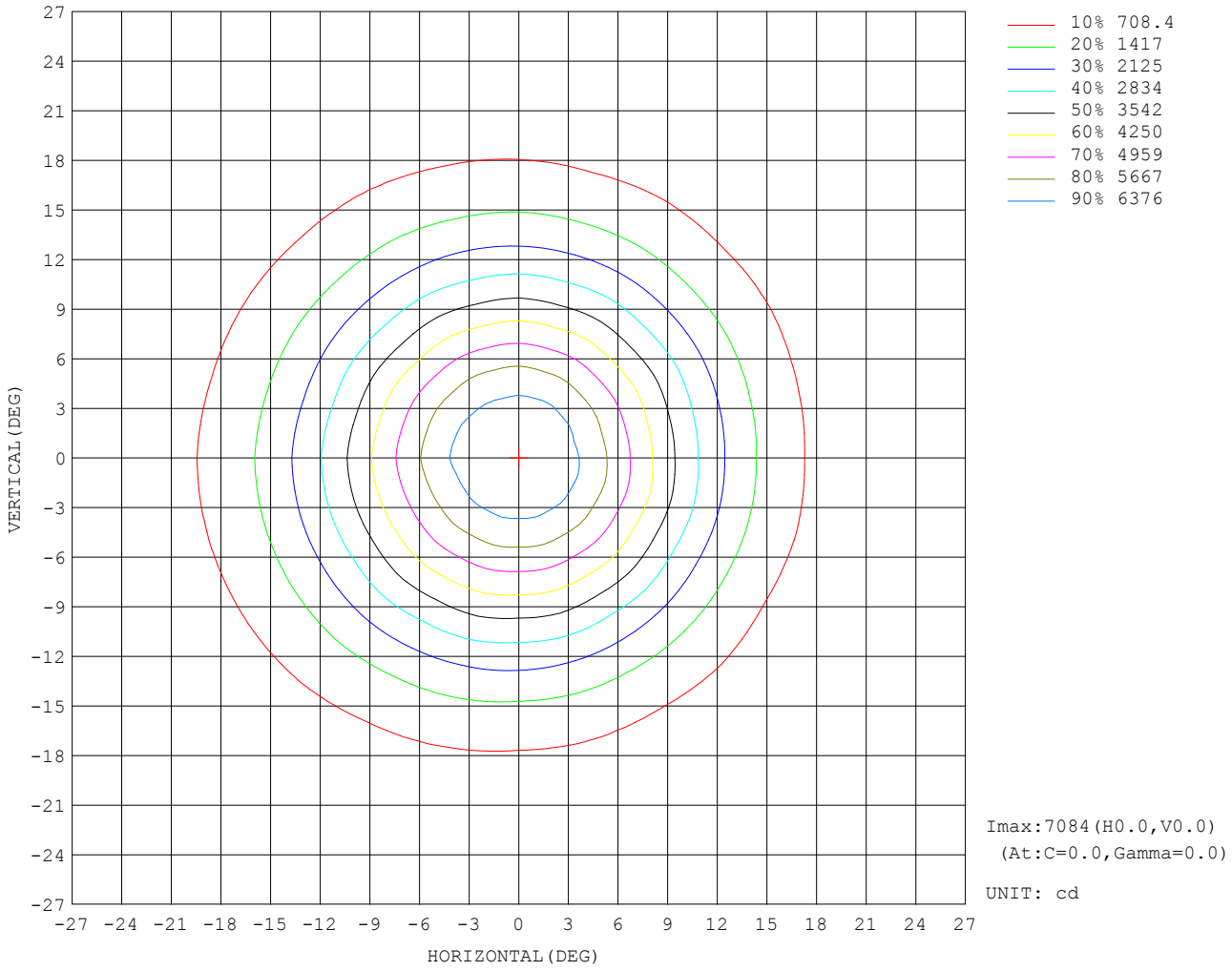
UTILIZATION FACTORS TABLE

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	91	86	82	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	89	86
1.00	102	97	94	101	97	94	100	96	93	89
1.25	105	101	98	104	100	97	103	99	97	93
1.50	108	104	101	107	103	100	105	101	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	104	107	104	103	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	111	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	108	100
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: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

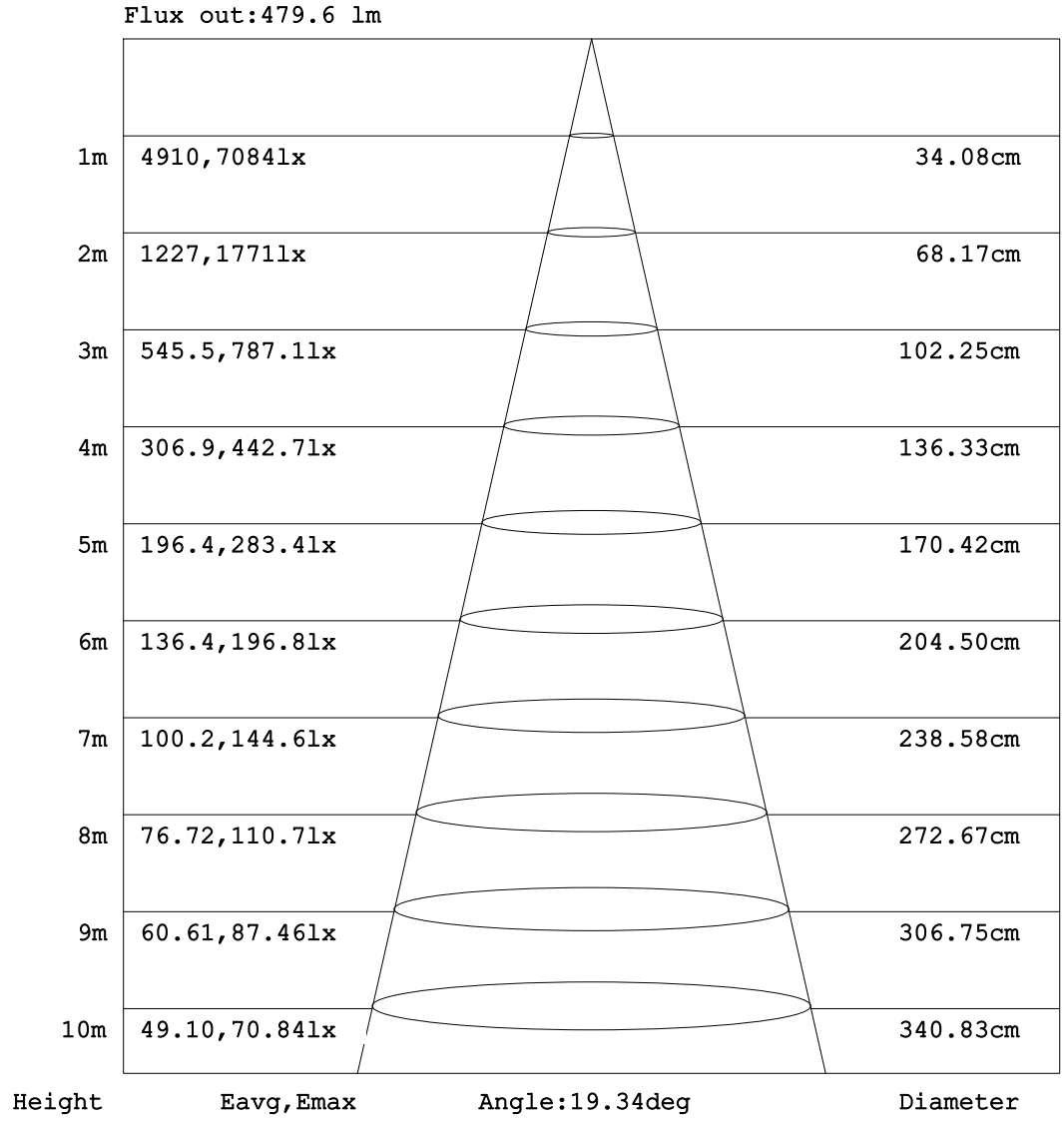
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

AAI Figure

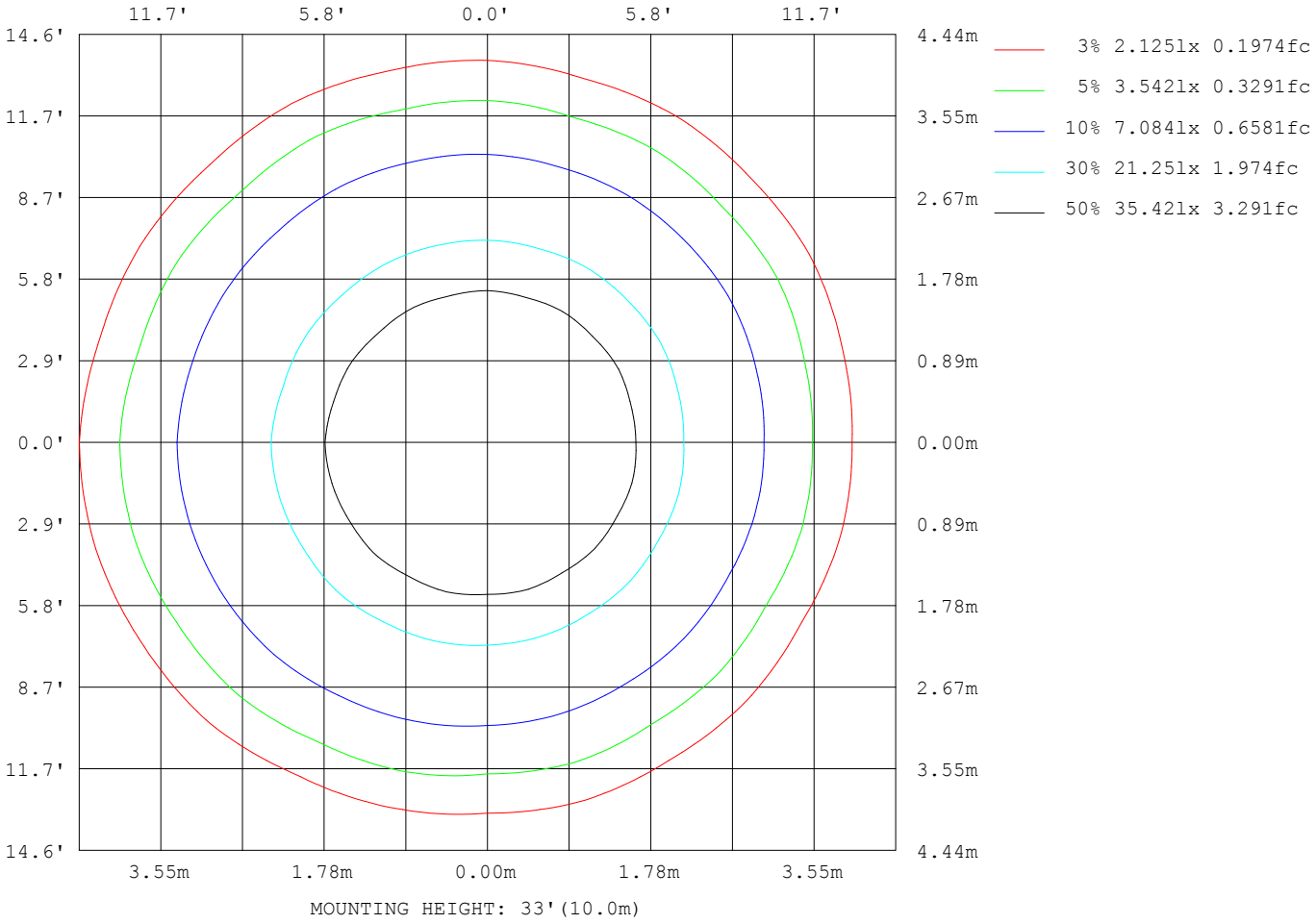


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.07V I:0.0687A P:14.606W PF:0.9654 Freq:50.00Hz Lamp Flux:994.183x1 lm		
NAME: 14W-15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

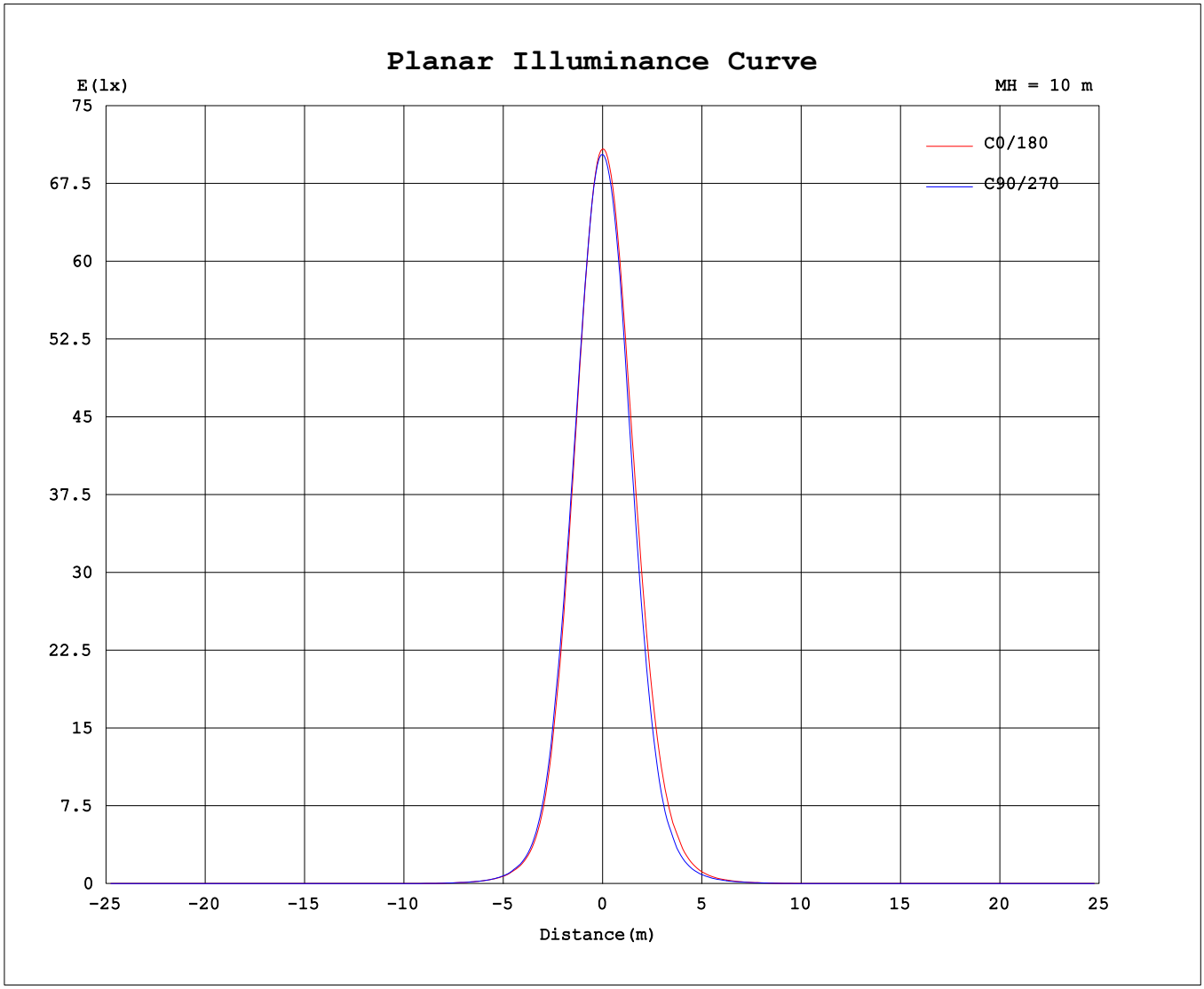
AvgL	cd/m2
L_0~180(65)av	140
L_0~180(75)av	101
L_0~180(85)av	58
L_90~270(65)av	139
L_90~270(75)av	93
L_90~270(85)av	56
L_45(65)av	140
L_45(75)av	96
L_45(85)av	64

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7084	7077	7070	7061	7052	7041	7031	7022	7012	7003	6995	6987	7084	7077	7070	7061	7052	7041	7031
5	5821	5863	5839	5874	5840	5870	5846	5881	5868	5927	5921	5967	6069	6011	6014	5951	5952	5908	5925
10	3256	3312	3280	3346	3321	3398	3389	3489	3500	3609	3605	3668	3720	3613	3580	3467	3454	3358	3376
15	1222	1229	1217	1247	1257	1306	1334	1411	1471	1577	1623	1668	1696	1623	1574	1498	1465	1401	1378
20	375	377	363	380	380	406	409	465	486	565	585	629	644	592	588	530	535	479	478
25	138	136	131	140	139	148	144	154	166	190	206	217	223	206	200	189	183	170	165
30	53.4	54.5	51.8	55.8	53.8	57.2	54.5	58.1	59.2	69.0	72.9	79.5	81.7	75.1	75.8	71.2	71.4	65.7	64.9
35	22.4	21.5	21.5	21.3	21.7	21.7	22.4	22.5	24.4	26.9	29.6	31.2	32.8	31.9	31.5	31.1	30.1	29.1	27.8
40	5.50	5.07	4.73	4.62	4.78	5.23	5.90	6.71	7.66	8.99	10.5	11.6	13.1	13.4	13.6	13.5	13.1	12.5	11.4
45	2.01	1.85	1.80	1.81	1.86	2.05	2.29	2.49	2.75	3.02	3.26	3.46	3.75	3.80	3.73	3.66	3.48	3.34	3.09
50	0.70	0.67	0.66	0.65	0.65	0.67	0.71	0.76	0.91	1.20	1.51	1.79	2.04	2.01	2.05	2.11	1.81	1.75	1.52
55	0.37	0.35	0.34	0.34	0.35	0.37	0.40	0.43	0.46	0.49	0.52	0.55	0.61	0.61	0.62	0.63	0.63	0.63	0.61
60	0.22	0.21	0.21	0.21	0.21	0.22	0.23	0.24	0.26	0.27	0.29	0.31	0.35	0.36	0.36	0.36	0.35	0.35	0.34
65	0.18	0.18	0.18	0.18	0.18	0.19	0.20	0.20	0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.28	0.27	0.26	0.25
70	0.13	0.12	0.12	0.11	0.12	0.13	0.14	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.25	0.25	0.24	0.23	0.22
75	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.10	0.13	0.15	0.15	0.13	0.13	0.12	0.11
80	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.07	0.07	0.07
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.03	0.03
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345														
0	7022	7012	7003	6995	6987														
5	5875	5881	5818	5822	5768														
10	3311	3351	3295	3325	3255														
15	1327	1323	1289	1288	1243														
20	434	438	415	416	386														
25	154	156	147	148	138														
30	59.9	61.1	57.5	59.2	54.8														
35	26.4	25.4	24.8	24.1	23.3														
40	10.2	9.20	8.21	7.39	6.53														
45	2.85	2.62	2.42	2.23	2.11														
50	1.29	1.01	0.85	0.79	0.74														
55	0.59	0.53	0.48	0.45	0.41														
60	0.32	0.29	0.27	0.25	0.23														
65	0.24	0.23	0.22	0.21	0.20														
70	0.20	0.19	0.17	0.16	0.15														
75	0.11	0.10	0.09	0.09	0.08														
80	0.06	0.06	0.06	0.05	0.05														
85	0.03	0.03	0.02	0.02	0.02														
90	0.00	0.01	0.01	0.01	0.01														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-09-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks: