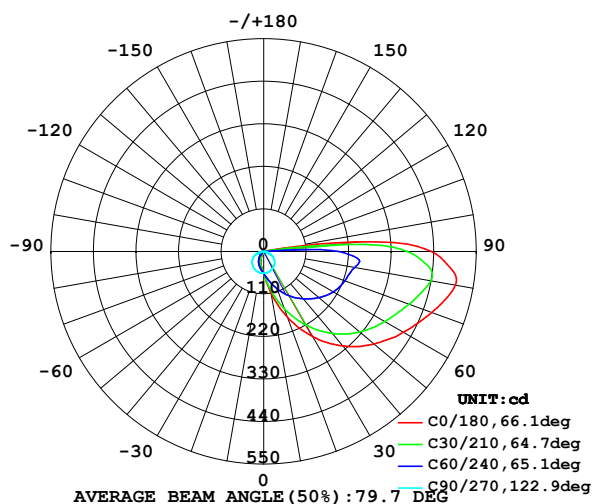


## LUMINAIRE PHOTOMETRIC TEST REPORT

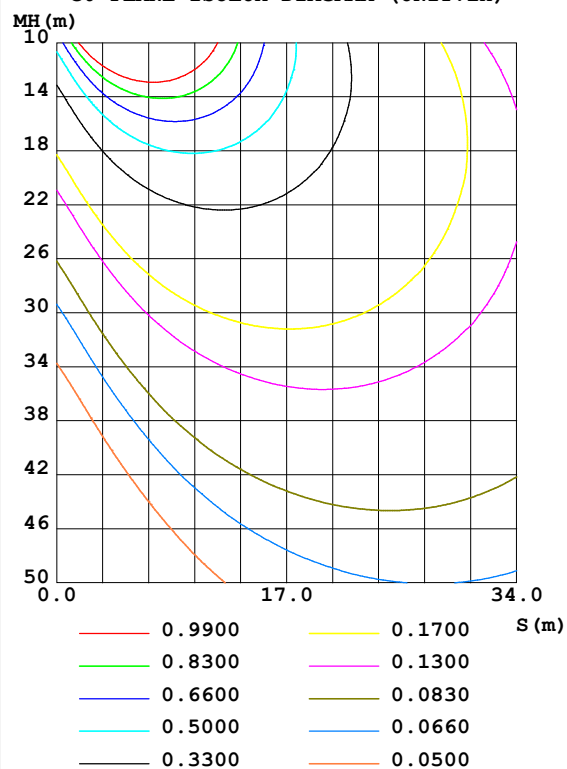
Test:U:12.00V I:0.8280A P:9.936W PF:1.000 Lamp Flux:904.752x1 lm		
NAME: EKF4496SV	SUR.:1*0.08	SERIAL No.:
MFR.: LEDIA		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.06 lm/W			
MODEL	EKF4496SV	I <sub>max</sub> (cd)	504.2	S/MH (C0/180)	0.51
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.33
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	904.75	η UP, DN (C0-180)	5.0, 50.4
NOMINAL FLUX (lm)	904.752	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.8, 40.8
LAMPS INSIDE	1	η up (%)	8.8	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	12	η down (%)	91.2	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: Hu Cong  
Test Date: 2021-06-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 54.2%  
Test Distance: 10.149m [K=1.0000]  
Remarks:

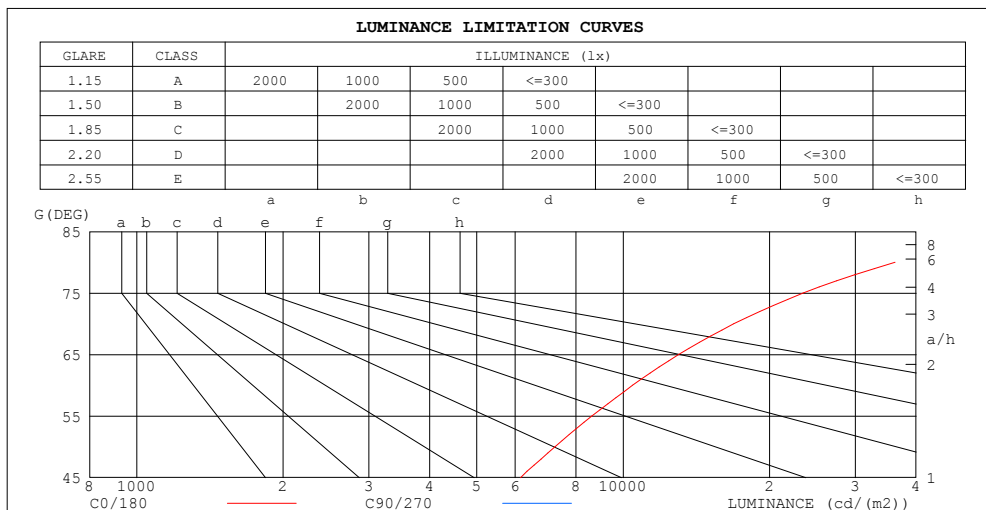
Checker: Hucong

Assessor: Chunbo Zhou

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	108.4	87.83	55.73	42.64	38.25	42.78	56.28	89.32	0- 10	5.857	5.857	0.65,0.65
20	181.4	133.0	53.08	30.02	21.28	30.25	54.30	137.1	10- 20	20.79	26.65	2.95,2.95
30	254.4	180.2	49.00	17.50	9.249	17.53	50.76	186.7	20- 30	41.06	67.70	7.48,7.48
40	319.3	225.8	43.75	10.11	6.817	9.629	45.64	234.2	30- 40	66.13	133.8	14.8,14.8
50	372.4	265.6	36.79	7.834	5.211	7.386	39.08	275.7	40- 50	93.79	227.6	25.2,25.2
60	418.2	296.4	28.32	5.861	3.671	5.328	31.03	308.0	50- 60	120.4	348.0	38.5,38.5
70	462.1	322.3	18.58	3.922	2.485	3.467	21.59	336.7	60- 70	144.1	492.1	54.4,54.4
80	503.4	355.5	6.752	2.432	2.032	2.101	10.90	369.9	70- 80	164.9	657.0	72.6,72.6
90	433.7	296.3	0.0068	1.339	1.471	1.174	0.6811	311.8	80- 90	168.2	825.1	91.2,91.2
100	56.22	4.349	0.0264	1.148	1.603	0.9500	0.0067	4.552	90-100	75.21	900.3	99.5,99.5
110	1.943	0.2368	0.0462	1.121	1.624	1.082	0.0528	0.3961	100-110	2.435	902.8	99.8,99.8
120	0.4952	0.0328	0.0462	1.003	1.510	1.043	0.1124	0.2820	110-120	0.6361	903.4	99.9,99.9
130	0.4316	0.0330	0.0528	0.9037	1.391	0.9437	0.1816	0.2734	120-130	0.4881	903.9	99.9,99.9
140	0.4224	0.0659	0.0790	0.7587	1.134	0.7721	0.1848	0.2648	130-140	0.3780	904.3	99.9,99.9
150	0.2906	0.0396	0.1189	0.5537	0.8906	0.6139	0.1924	0.2111	140-150	0.2495	904.5	100,100
160	0.2375	0.0990	0.1491	0.3627	0.6529	0.4685	0.1792	0.1707	150-160	0.1420	904.7	100,100
170	0.0660	0.1782	0.1507	0.2375	0.4075	0.3366	0.1838	0.1634	160-170	0.0682	904.7	100,100
180	0.2705	0.2045	0.1517	0.1847	0.2375	0.2177	0.1847	0.1583	170-180	0.0191	904.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	69438	278
80	36239	486
75	23447	613
70	16889	679
65	13004	700
60	10454	708
55	8625	710
50	7242	715
45	6155	715

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.7DEG  
 Operators: Hu Cong  
 Test Date: 2021-06-08

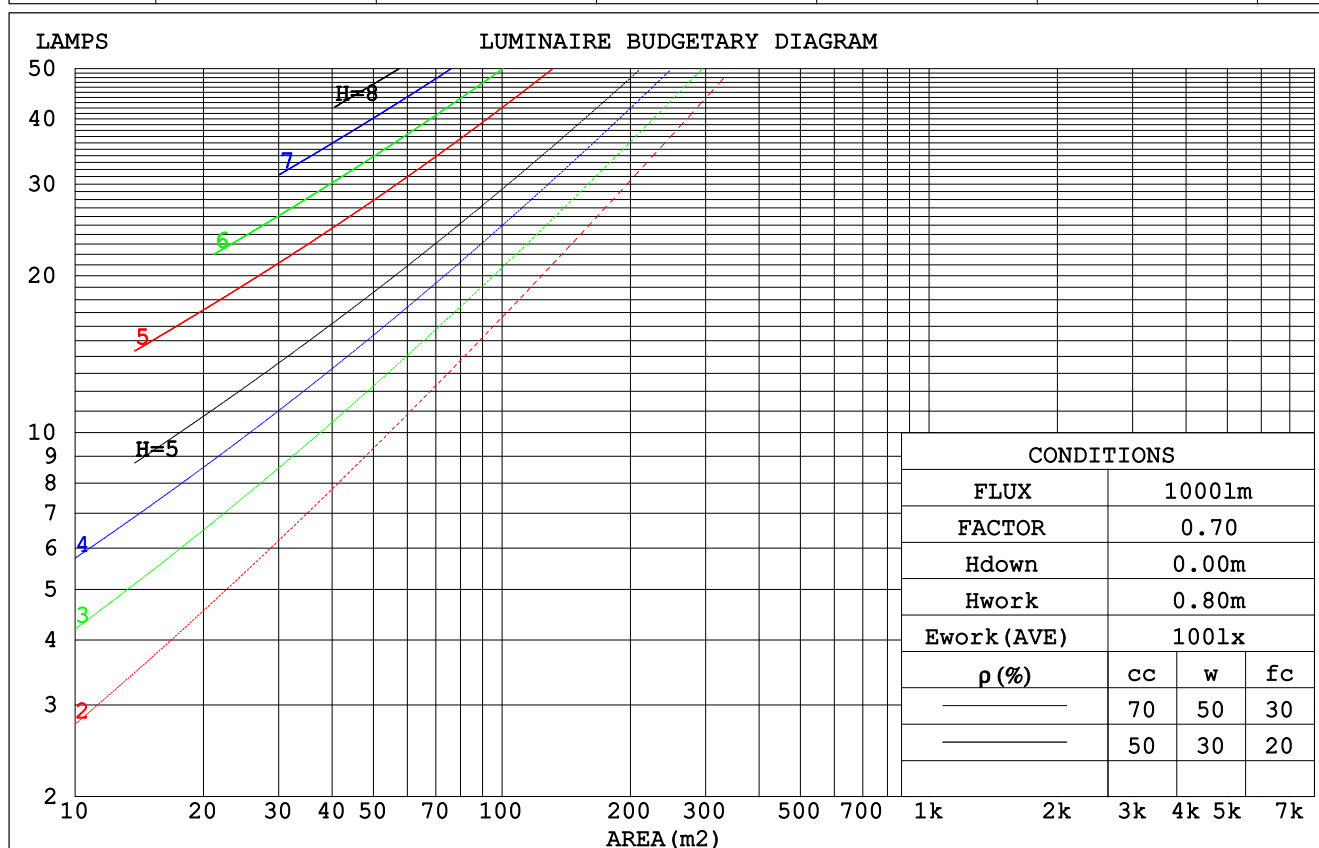
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 54.2%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.89	.81	.74	.85	.78	.72	.79	.73	.68	.73	.69	.64	.68	.64	.61	.57
2.0	.72	.62	.53	.70	.60	.52	.64	.56	.49	.59	.52	.46	.55	.49	.44	.41
3.0	.61	.49	.40	.58	.48	.39	.54	.45	.37	.49	.42	.35	.46	.39	.34	.30
4.0	.52	.41	.32	.50	.39	.31	.46	.37	.29	.42	.34	.28	.39	.32	.27	.24
5.0	.45	.34	.26	.44	.33	.25	.40	.31	.24	.37	.29	.23	.34	.27	.22	.19
6.0	.40	.29	.21	.39	.28	.21	.36	.27	.20	.33	.25	.19	.31	.24	.18	.15
7.0	.36	.25	.18	.35	.25	.18	.32	.23	.17	.30	.22	.16	.27	.21	.15	.13
8.0	.32	.22	.16	.31	.22	.15	.29	.21	.15	.27	.19	.14	.25	.18	.13	.11
9.0	.29	.20	.14	.28	.19	.13	.26	.18	.13	.25	.17	.12	.23	.16	.12	.09
10.0	.27	.18	.12	.26	.17	.12	.24	.17	.11	.23	.16	.11	.21	.15	.10	.08



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.7DEG  
 Operators: Hu Cong  
 Test Date: 2021-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 54.2%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

## WEC AND CCEC

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.558	.317	.100	.547	.312	.099	.528	.303	.097	.510	.294	.094	.494	.286	.092	
2.0	.444	.243	.075	.435	.239	.074	.417	.232	.072	.401	.225	.070	.386	.218	.069	
3.0	.375	.200	.060	.367	.196	.059	.351	.190	.058	.336	.184	.056	.322	.179	.055	
4.0	.326	.169	.050	.318	.167	.049	.304	.161	.048	.291	.156	.047	.279	.151	.046	
5.0	.289	.147	.043	.282	.145	.042	.269	.140	.041	.257	.136	.040	.246	.131	.039	
6.0	.259	.130	.037	.253	.128	.037	.241	.124	.036	.231	.120	.035	.221	.116	.034	
7.0	.235	.116	.033	.230	.114	.033	.219	.111	.032	.209	.107	.031	.200	.104	.031	
8.0	.215	.105	.030	.210	.104	.029	.201	.100	.029	.192	.097	.028	.184	.094	.027	
9.0	.198	.096	.027	.194	.095	.027	.185	.092	.026	.177	.089	.025	.170	.086	.025	
10.0	.184	.088	.024	.180	.087	.024	.172	.084	.024	.165	.082	.023	.158	.079	.023	

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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.258	.258	.258	.220	.220	.220	.150	.150	.150	.086	.086	.086	.028	.028	.028	
1.0	.265	.222	.182	.227	.190	.157	.155	.131	.109	.089	.076	.063	.029	.024	.020	
2.0	.261	.199	.148	.223	.172	.128	.153	.119	.089	.088	.069	.052	.028	.022	.017	
3.0	.253	.183	.128	.217	.158	.111	.149	.110	.078	.086	.064	.046	.028	.021	.015	
4.0	.245	.171	.116	.210	.148	.100	.144	.103	.071	.083	.060	.042	.027	.020	.014	
5.0	.236	.162	.107	.202	.140	.093	.139	.098	.066	.081	.057	.039	.026	.019	.013	
6.0	.227	.154	.102	.195	.133	.089	.135	.093	.063	.078	.055	.037	.025	.018	.012	
7.0	.218	.147	.098	.188	.128	.085	.130	.090	.060	.075	.053	.036	.024	.017	.012	
8.0	.211	.142	.094	.181	.123	.082	.125	.086	.058	.073	.051	.035	.024	.017	.012	
9.0	.203	.137	.092	.175	.119	.080	.121	.083	.057	.071	.049	.034	.023	.016	.011	
10.0	.196	.132	.090	.169	.115	.078	.118	.081	.056	.069	.048	.033	.022	.016	.011	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:Hu Cong  
 Test Date:2021-06-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:54.2%  
 Test Distance:10.149m [K=1.0000]  
 Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

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	23.4	25.1	23.8	25.5	25.9	16.5	18.2	16.9	18.6	19.0
3H	27.3	28.9	27.7	29.4	29.8	18.2	19.9	18.6	20.3	20.7
4H	29.5	31.1	29.9	31.5	32.0	19.0	20.6	19.4	21.0	21.5
6H	31.9	33.4	32.4	33.9	34.4	19.6	21.1	20.1	21.6	22.1
8H	33.2	34.7	33.7	35.2	35.7	19.8	21.3	20.3	21.8	22.3
12H	34.6	36.0	35.1	36.5	37.0	20.0	21.4	20.4	21.9	22.4
4H 2H	24.0	25.6	24.5	26.0	26.5	20.3	21.9	20.7	22.3	22.8
3H	28.2	29.7	28.7	30.1	30.7	22.5	23.9	23.0	24.4	24.9
4H	30.6	32.0	31.1	32.5	33.0	23.6	24.9	24.1	25.4	26.0
6H	33.3	34.5	33.8	35.1	35.6	24.5	25.7	25.0	26.2	26.8
8H	34.7	35.9	35.3	36.4	37.0	24.8	26.0	25.3	26.5	27.1
12H	36.2	37.3	36.8	37.9	38.5	25.0	26.1	25.6	26.7	27.3
8H 4H	31.1	32.3	31.6	32.8	33.4	26.5	27.7	27.1	28.2	28.8
6H	34.1	35.1	34.7	35.7	36.3	28.1	29.1	28.7	29.7	30.3
8H	35.8	36.7	36.4	37.3	37.9	28.8	29.7	29.4	30.3	31.0
12H	37.5	38.4	38.1	39.0	39.7	29.4	30.2	30.0	30.8	31.5
12H 4H	31.1	32.2	31.7	32.8	33.4	27.5	28.6	28.1	29.2	29.8
6H	34.3	35.2	34.9	35.8	36.5	29.5	30.4	30.1	31.0	31.7
8H	36.1	36.9	36.7	37.5	38.2	30.5	31.3	31.1	31.9	32.6
Variations with the observer position at spacings:										
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 Corrected 904.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.3)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:Hu Cong  
 Test Date:2021-06-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:54.2%  
 Test Distance:10.149m [K=1.0000]  
 Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

## 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) $k(RI) \times RCR = 5$									
$k = 0.60$	41	27	18	40	26	18	38	26	18	10
0.80	49	34	24	48	33	24	45	32	24	15
1.00	56	41	31	55	40	30	52	42	30	20
1.25	63	48	37	61	47	37	57	45	36	25
1.50	68	53	42	66	52	42	62	50	41	30
2.00	76	62	51	74	60	50	69	58	49	37
2.50	82	68	58	79	66	57	73	63	55	42
3.00	86	73	63	83	71	62	77	68	60	47
4.00	92	81	72	88	78	70	82	74	67	54
5.00	95	86	78	92	83	76	86	78	72	59
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: 24.7DEG  
 Operators: Hu Cong  
 Test Date: 2021-06-08

Checker: Hucong

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 54.2%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks:

Assessor: Chunbo Zhou

## ISOCANDELA DIAGRAM

Conical surface Flux(90deg):

177.26 lm

%lum = 19.6%

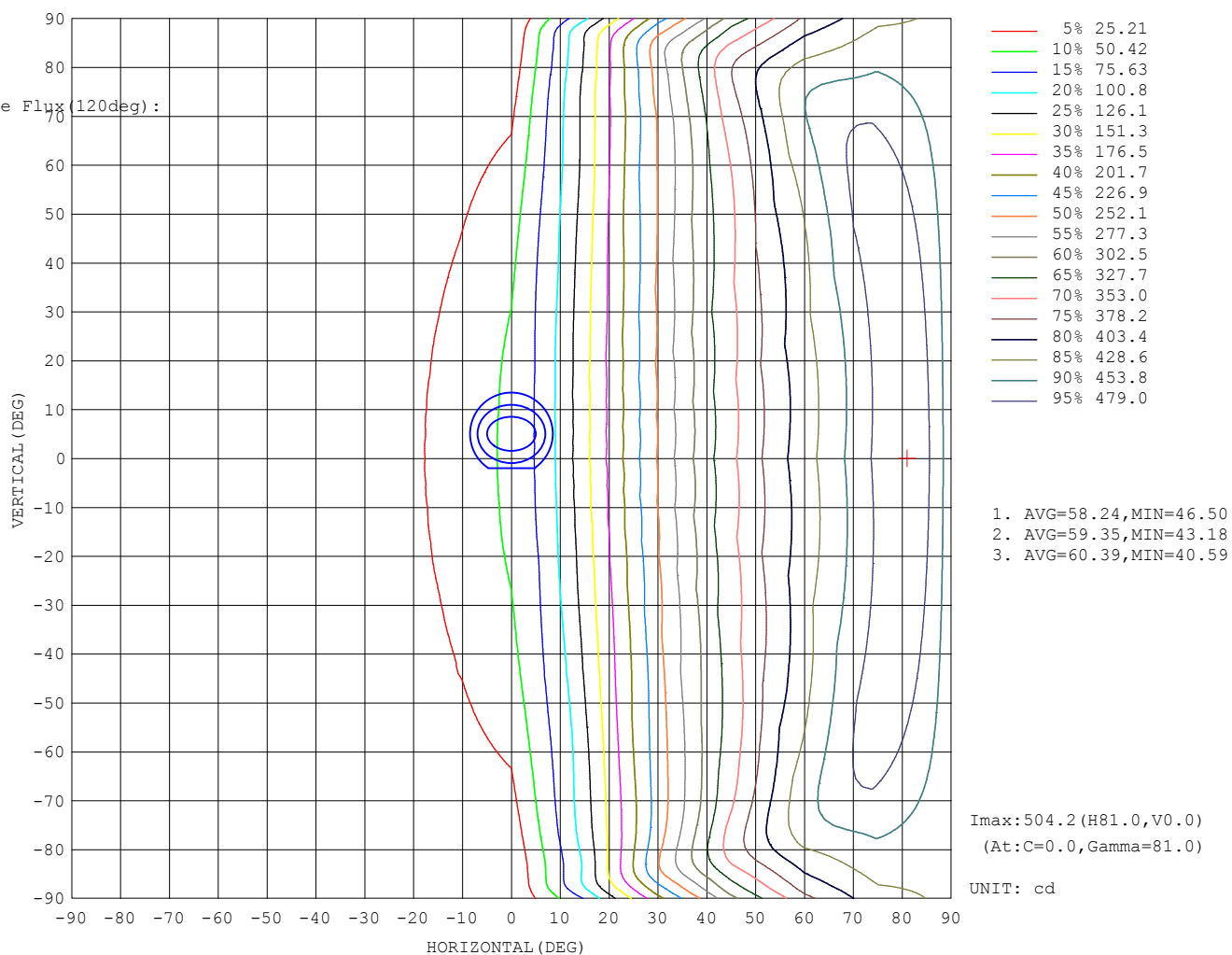
%lamp = 19.6%

Conical surface Flux(120deg):

348 lm

%lum = 38.5%

%lamp = 38.5%

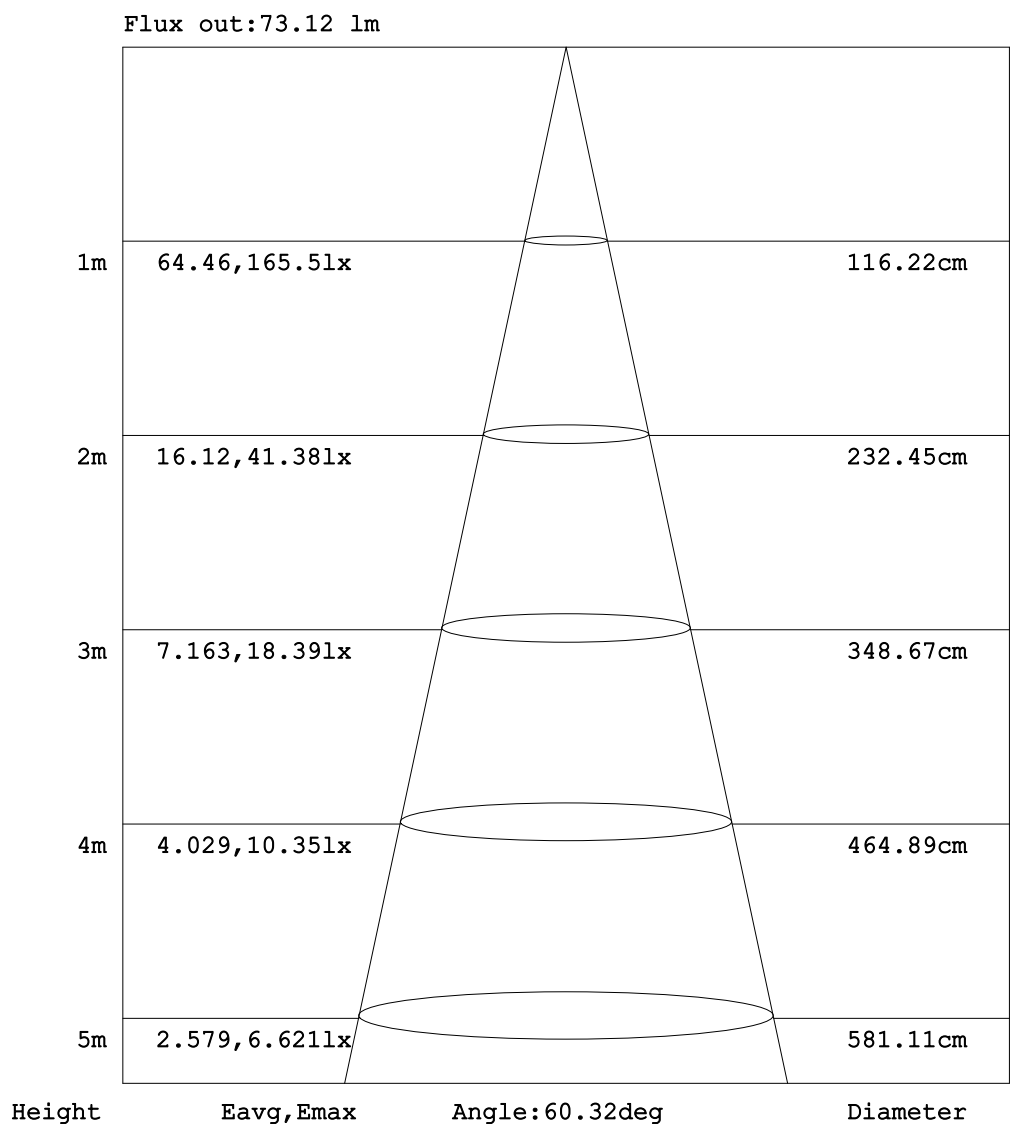


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.7DEG  
Operators:Hu Cong  
Test Date:2021-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:54.2%  
Test Distance:10.149m [K=1.0000]  
Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

**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: HIGH  
Temperature:24.7DEG  
Operators:Hu Cong  
Test Date:2021-06-08

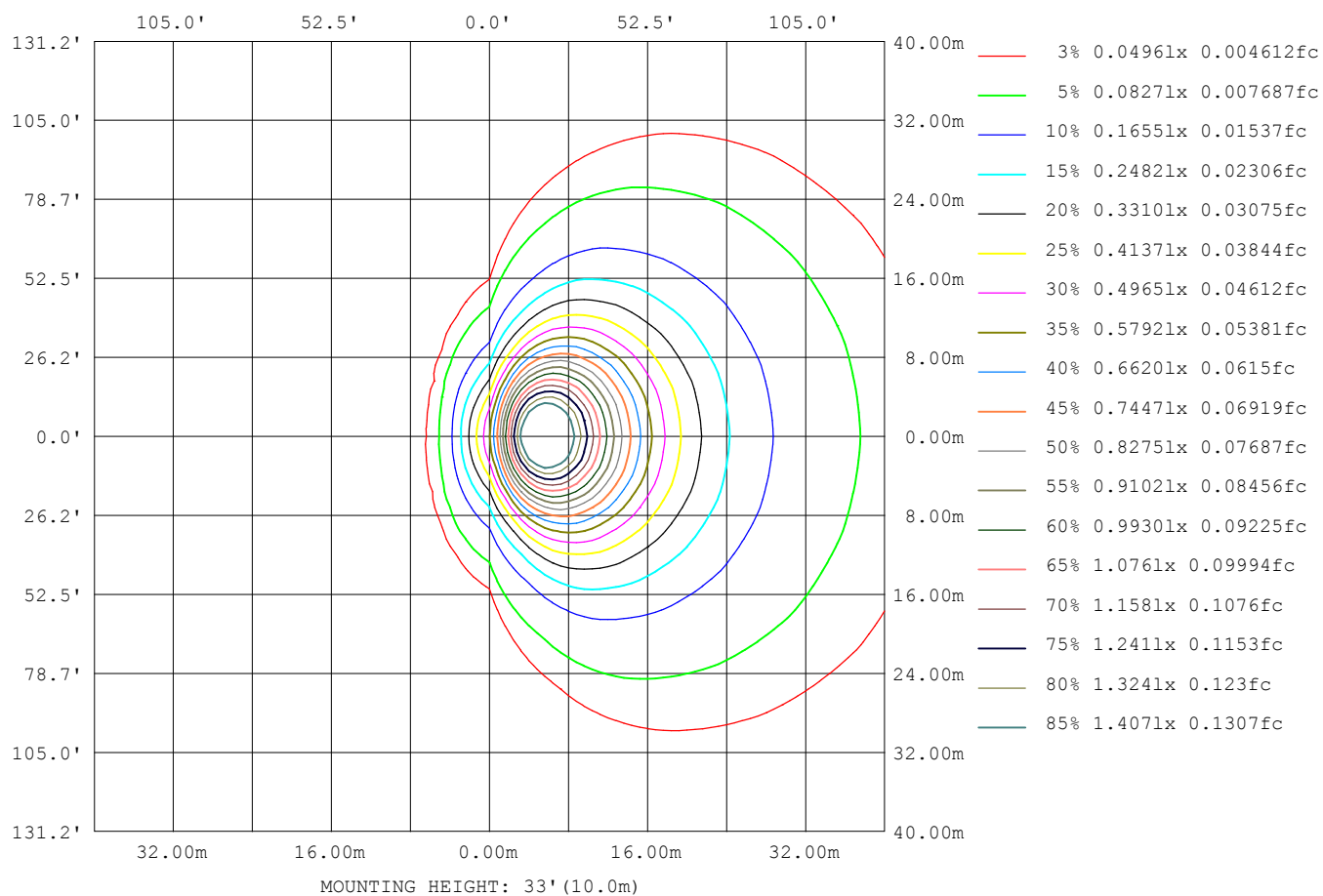
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:54.2%  
Test Distance:10.149m [K=1.0000]  
Remarks:

Checker: Hucong

Assessor: Chunbo Zhou



## ISOLUX DIAGRAM



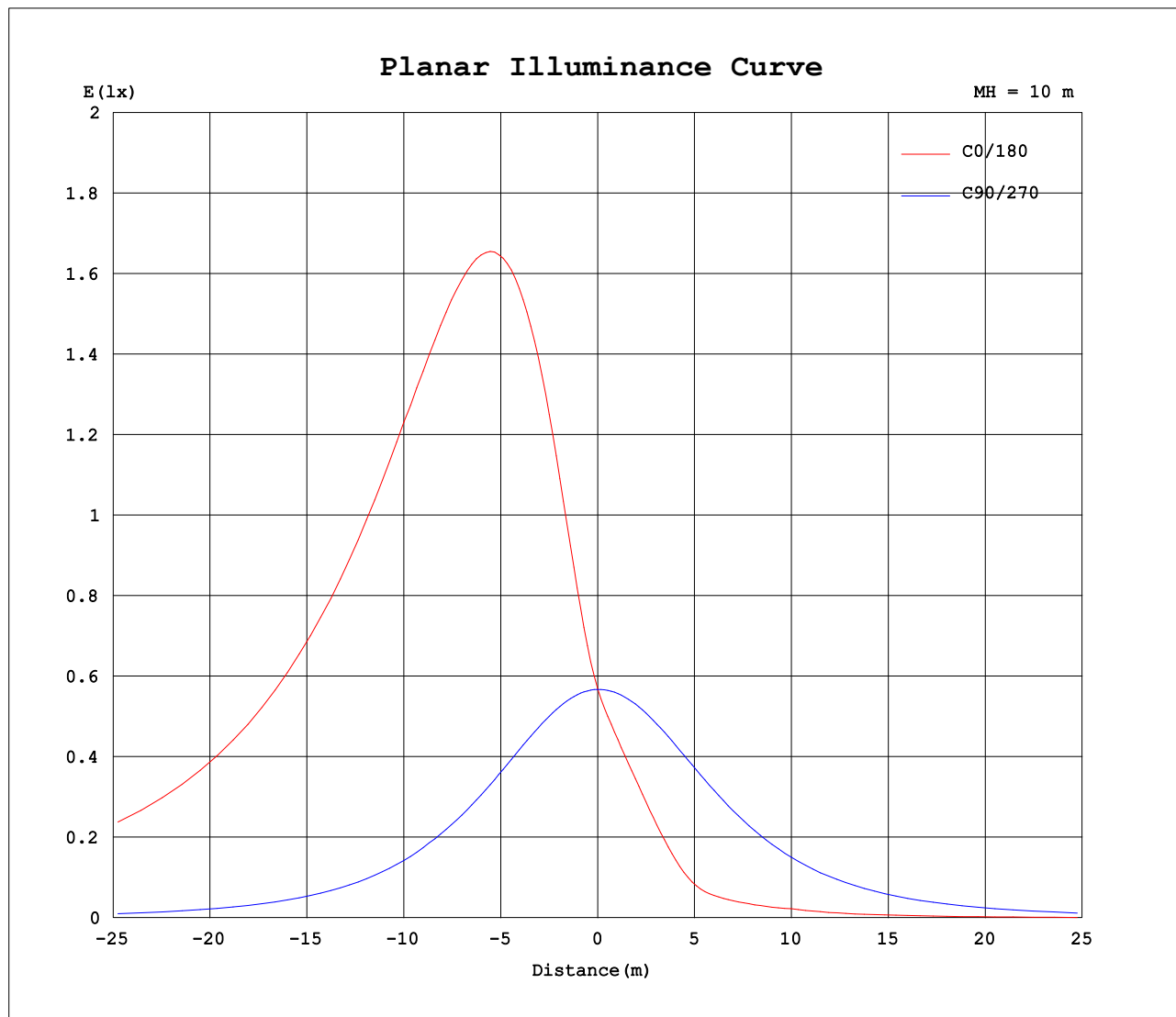
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: Hu Cong  
Test Date: 2021-06-08

Checker: Hucong

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 54.2%  
Test Distance: 10.149m [K=1.0000]  
Remarks:

Assessor: Chunbo Zhou

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: Hu Cong  
Test Date: 2021-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 54.2%  
Test Distance: 10.149m [K=1.0000]  
Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

## LUMINOUS DISTRIBUTION INTENSITY DATA

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	56.9	56.7	56.9	56.7	56.9	56.8	56.8	56.7	56.7	56.8	56.6	56.7	56.9	56.7	56.9	56.7	56.9	56.8	56.8
5	77.7	76.3	73.9	69.6	65.2	60.5	56.5	53.3	50.9	49.1	47.7	46.9	46.7	46.9	47.8	49.2	51.2	53.5	56.7
10	108	105	98.6	87.8	76.2	64.5	55.7	50.2	46.0	42.6	40.1	38.6	38.2	38.7	40.3	42.8	46.3	50.4	56.3
15	144	139	128	110	89.1	68.9	54.6	47.0	41.0	36.3	32.6	30.5	29.9	30.5	33.0	36.5	41.5	47.3	55.5
20	181	175	159	133	103	73.4	53.1	43.5	36.0	30.0	25.0	22.2	21.3	22.1	25.4	30.2	36.6	44.0	54.3
25	218	211	189	157	118	78.0	51.2	39.9	31.0	23.6	17.7	14.6	13.6	14.5	18.0	23.8	31.7	40.5	52.7
30	254	246	220	180	133	82.6	49.0	36.2	26.0	17.5	11.9	9.87	9.25	9.65	11.9	17.5	26.6	36.9	50.8
35	288	279	250	203	147	87.0	46.5	32.5	21.1	12.6	9.32	8.21	7.72	7.99	8.95	12.4	21.6	33.1	48.4
40	319	309	277	226	160	91.2	43.7	28.7	16.7	10.1	8.17	7.23	6.82	7.05	7.76	9.63	16.9	29.3	45.6
45	348	337	302	247	174	95.5	40.4	25.7	13.7	9.62	8.03	7.45	6.52	6.21	6.92	8.42	13.1	25.5	42.5
50	372	361	324	266	186	98.0	36.8	21.5	11.1	7.83	6.46	5.52	5.21	5.34	6.04	7.39	10.6	21.8	39.1
55	396	383	344	282	198	101	32.6	18.2	9.59	6.89	5.61	4.73	4.39	4.54	5.16	6.38	9.07	18.3	35.3
60	418	404	362	296	209	103	28.3	15.1	8.13	5.86	4.78	3.98	3.67	3.79	4.34	5.33	7.62	15.0	31.0
65	440	425	380	309	217	106	23.7	11.7	6.53	4.83	4.00	3.30	3.01	3.15	3.59	4.35	6.10	11.7	26.4
70	462	446	400	322	223	109	18.6	7.01	4.89	3.92	3.35	2.79	2.48	2.64	2.95	3.47	4.57	7.16	21.6
75	485	468	420	336	229	110	12.7	3.06	3.59	3.12	2.81	2.43	2.16	2.28	2.43	2.72	3.36	3.04	16.4
80	503	487	439	356	239	107	6.75	1.48	2.60	2.43	2.34	2.24	2.03	2.07	2.04	2.10	2.28	1.56	10.9
85	484	470	426	352	248	105	1.94	0.74	1.76	1.84	1.99	2.13	1.97	1.94	1.73	1.60	1.42	0.79	5.66
90	434	419	372	296	194	77.6	0.01	0.42	1.09	1.34	1.56	1.64	1.47	1.47	1.29	1.17	0.86	0.40	0.68
95	291	273	211	123	22.7	0.04	0.01	0.30	0.71	1.09	1.39	1.58	1.46	1.36	1.21	0.92	0.55	0.20	0.00
100	56.2	46.7	20.2	4.35	0.64	0.00	0.03	0.32	0.71	1.15	1.41	1.62	1.60	1.46	1.32	0.95	0.61	0.20	0.01
105	4.83	3.99	2.44	1.03	0.13	0.00	0.05	0.33	0.71	1.15	1.44	1.63	1.63	1.56	1.41	1.04	0.65	0.20	0.03
110	1.94	1.56	0.60	0.24	0.03	0.02	0.05	0.34	0.77	1.12	1.44	1.61	1.62	1.59	1.39	1.08	0.65	0.24	0.05
115	0.65	0.49	0.41	0.12	0.05	0.03	0.05	0.34	0.76	1.10	1.43	1.52	1.62	1.58	1.33	1.09	0.65	0.24	0.09
120	0.50	0.38	0.26	0.03	0.03	0.00	0.05	0.35	0.71	1.00	1.35	1.44	1.51	1.50	1.29	1.04	0.61	0.25	0.11
125	0.43	0.36	0.24	0.01	0.00	0.01	0.05	0.35	0.68	0.96	1.27	1.38	1.44	1.43	1.20	1.00	0.58	0.25	0.19
130	0.43	0.34	0.17	0.03	0.00	0.05	0.05	0.36	0.65	0.90	1.19	1.30	1.39	1.35	1.12	0.94	0.56	0.26	0.18
135	0.46	0.27	0.09	0.06	0.03	0.11	0.07	0.35	0.63	0.87	1.14	1.23	1.29	1.25	1.02	0.86	0.52	0.26	0.16
140	0.42	0.24	0.08	0.07	0.05	0.10	0.08	0.31	0.57	0.76	1.02	1.10	1.13	1.13	0.92	0.77	0.48	0.26	0.18
145	0.36	0.05	0.05	0.04	0.06	0.11	0.10	0.26	0.51	0.65	0.88	0.97	1.00	1.01	0.82	0.69	0.47	0.26	0.21
150	0.29	0.03	0.03	0.04	0.06	0.12	0.12	0.23	0.44	0.55	0.75	0.80	0.89	0.90	0.71	0.61	0.37	0.25	0.19
155	0.26	0.03	0.02	0.06	0.06	0.12	0.14	0.22	0.38	0.47	0.63	0.65	0.77	0.77	0.61	0.53	0.35	0.25	0.18
160	0.24	0.04	0.04	0.10	0.06	0.14	0.15	0.18	0.33	0.36	0.51	0.55	0.65	0.65	0.53	0.47	0.28	0.24	0.18
165	0.07	0.07	0.05	0.13	0.11	0.15	0.15	0.16	0.28	0.29	0.42	0.43	0.53	0.53	0.47	0.40	0.25	0.22	0.18
170	0.07	0.11	0.09	0.18	0.15	0.16	0.15	0.16	0.25	0.24	0.33	0.33	0.41	0.42	0.34	0.34	0.23	0.21	0.18
175	0.15	0.17	0.14	0.20	0.15	0.16	0.15	0.15	0.21	0.20	0.25	0.23	0.30	0.34	0.24	0.27	0.18	0.20	0.18
180	0.27	0.24	0.19	0.20	0.17	0.16	0.15	0.15	0.18	0.18	0.20	0.19	0.24	0.23	0.22	0.22	0.19	0.20	0.18

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.7DEG  
Operators:Hu Cong  
Test Date:2021-06-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:54.2%  
Test Distance:10.149m [K=1.0000]  
Remarks:

Checker: Hucong

Assessor: Chunbo Zhou

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	56.7	56.7	56.8	56.6	56.7														
5	60.9	65.4	70.1	73.6	76.5														
10	65.7	77.2	89.3	98.7	106														
15	71.1	91.2	112	129	140														
20	76.8	107	137	160	176														
25	82.7	123	162	192	212														
30	88.8	139	187	224	247														
35	94.8	155	211	254	280														
40	101	170	234	283	310														
45	106	185	256	308	338														
50	110	199	276	331	362														
55	114	212	293	351	384														
60	118	223	308	370	407														
65	122	233	322	389	428														
70	127	240	337	408	449														
75	129	249	352	428	472														
80	128	258	370	448	491														
85	127	266	366	436	473														
90	95.9	216	312	383	423														
95	0.55	32.3	131	226	275														
100	0.03	1.07	4.55	22.4	44.1														
105	0.03	0.20	1.10	2.99	4.24														
110	0.04	0.18	0.40	0.71	1.73														
115	0.05	0.18	0.30	0.38	0.59														
120	0.05	0.18	0.28	0.33	0.46														
125	0.06	0.18	0.28	0.31	0.41														
130	0.08	0.18	0.27	0.29	0.38														
135	0.08	0.16	0.27	0.28	0.32														
140	0.08	0.15	0.26	0.25	0.31														
145	0.08	0.15	0.23	0.22	0.29														
150	0.08	0.14	0.21	0.17	0.25														
155	0.08	0.15	0.18	0.16	0.21														
160	0.10	0.15	0.17	0.15	0.18														
165	0.15	0.15	0.17	0.15	0.16														
170	0.15	0.15	0.16	0.15	0.16														
175	0.15	0.15	0.16	0.16	0.16														
180	0.15	0.15	0.16	0.16	0.16														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.7DEG  
 Operators: Hu Cong  
 Test Date: 2021-06-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 54.2%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks:

Checker: Hucong

Assessor: Chunbo Zhou