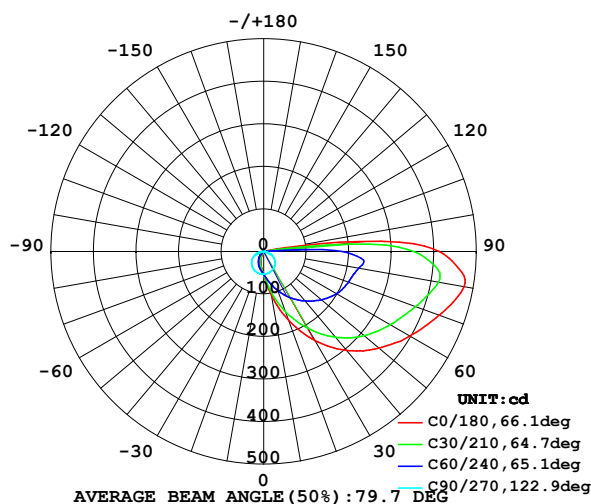


## LUMINAIRE PHOTOMETRIC TEST REPORT

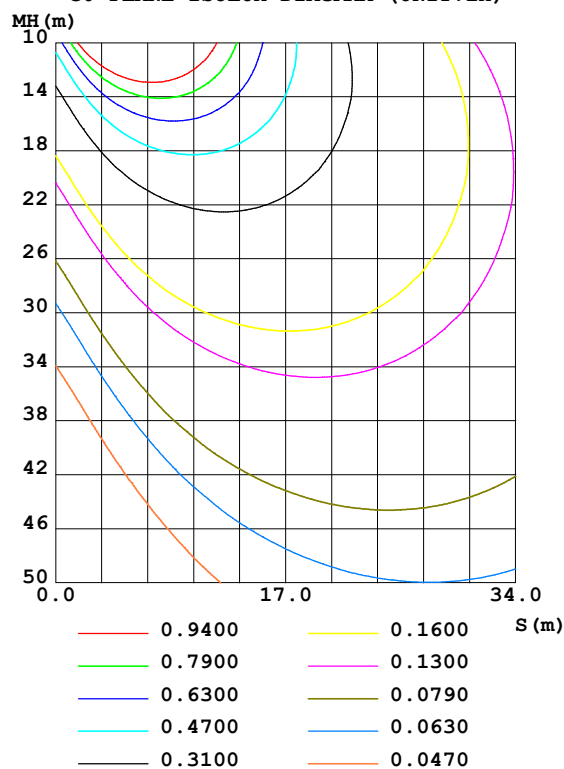
Test:U:12.00V I:0.8420A P:10.10W PF:1.000 Lamp Flux:859.877x1 lm		
NAME: EKF4296SV	SUR.:1*0.08	SERIAL No.:
MFR.: LEDIA		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.10 lm/W			
MODEL	EKF4296SV	I <sub>max</sub> (cd)	479.2	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)	859.88	η UP, DN (C0-180)	5.0, 50.4
NOMINAL FLUX (lm)	859.877	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:

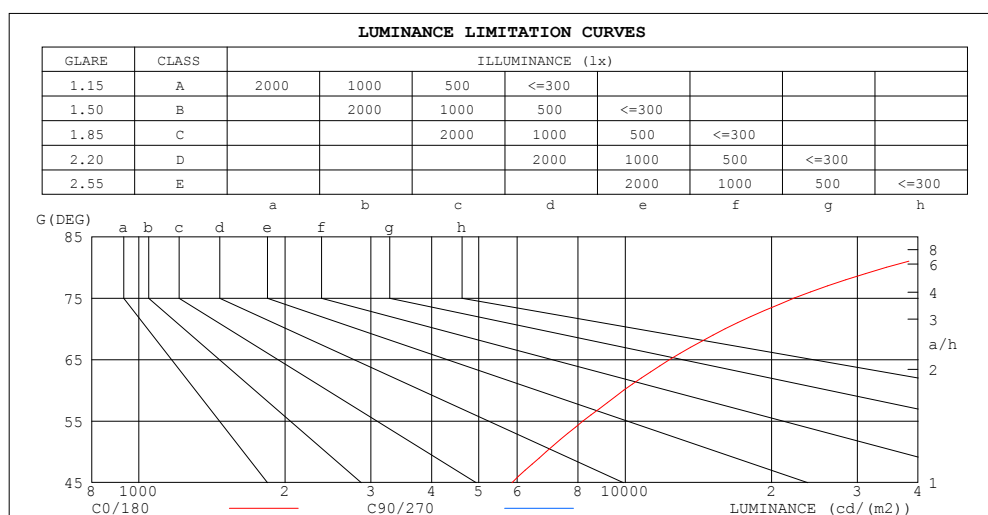
Checker: Hucong

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	103.0	83.48	52.97	40.52	36.35	40.66	53.49	84.89	0- 10	5.566	5.566	0.65,0.65
20	172.4	126.4	50.45	28.53	20.22	28.75	51.61	130.3	10- 20	19.76	25.32	2.95,2.95
30	241.8	171.3	46.57	16.63	8.791	16.66	48.24	177.4	20- 30	39.02	64.34	7.48,7.48
40	303.5	214.6	41.58	9.610	6.479	9.152	43.38	222.6	30- 40	62.85	127.2	14.8,14.8
50	353.9	252.4	34.96	7.446	4.953	7.020	37.14	262.0	40- 50	89.14	216.3	25.2,25.2
60	397.4	281.7	26.91	5.570	3.489	5.064	29.49	292.7	50- 60	114.4	330.7	38.5,38.5
70	439.2	306.3	17.66	3.727	2.362	3.295	20.52	320.0	60- 70	137.0	467.7	54.4,54.4
80	478.5	337.9	6.417	2.311	1.931	1.997	10.36	351.5	70- 80	156.7	624.4	72.6,72.6
90	412.2	281.6	0.0064	1.272	1.398	1.116	0.6473	296.3	80- 90	159.8	784.2	91.2,91.2
100	53.43	4.133	0.0251	1.091	1.524	0.9029	0.0063	4.326	90-100	71.48	855.7	99.5,99.5
110	1.847	0.2251	0.0439	1.065	1.544	1.028	0.0502	0.3764	100-110	2.315	858.0	99.8,99.8
120	0.4706	0.0312	0.0439	0.9530	1.436	0.9913	0.1068	0.2680	110-120	0.6045	858.6	99.9,99.9
130	0.4102	0.0313	0.0502	0.8589	1.322	0.8969	0.1726	0.2599	120-130	0.4639	859.1	99.9,99.9
140	0.4015	0.0626	0.0751	0.7211	1.078	0.7338	0.1757	0.2517	130-140	0.3593	859.4	99.9,99.9
150	0.2762	0.0376	0.1130	0.5262	0.8464	0.5834	0.1829	0.2006	140-150	0.2371	859.7	100,100
160	0.2257	0.0941	0.1417	0.3447	0.6205	0.4452	0.1704	0.1622	150-160	0.1350	859.8	100,100
170	0.0627	0.1694	0.1432	0.2257	0.3873	0.3199	0.1747	0.1553	160-170	0.0648	859.9	100,100
180	0.2571	0.1944	0.1442	0.1756	0.2257	0.2069	0.1756	0.1505	170-180	0.0182	859.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	65994	265
80	34442	462
75	22284	582
70	16051	645
65	12359	665
60	9935	673
55	8197	675
50	6883	680
45	5850	679

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

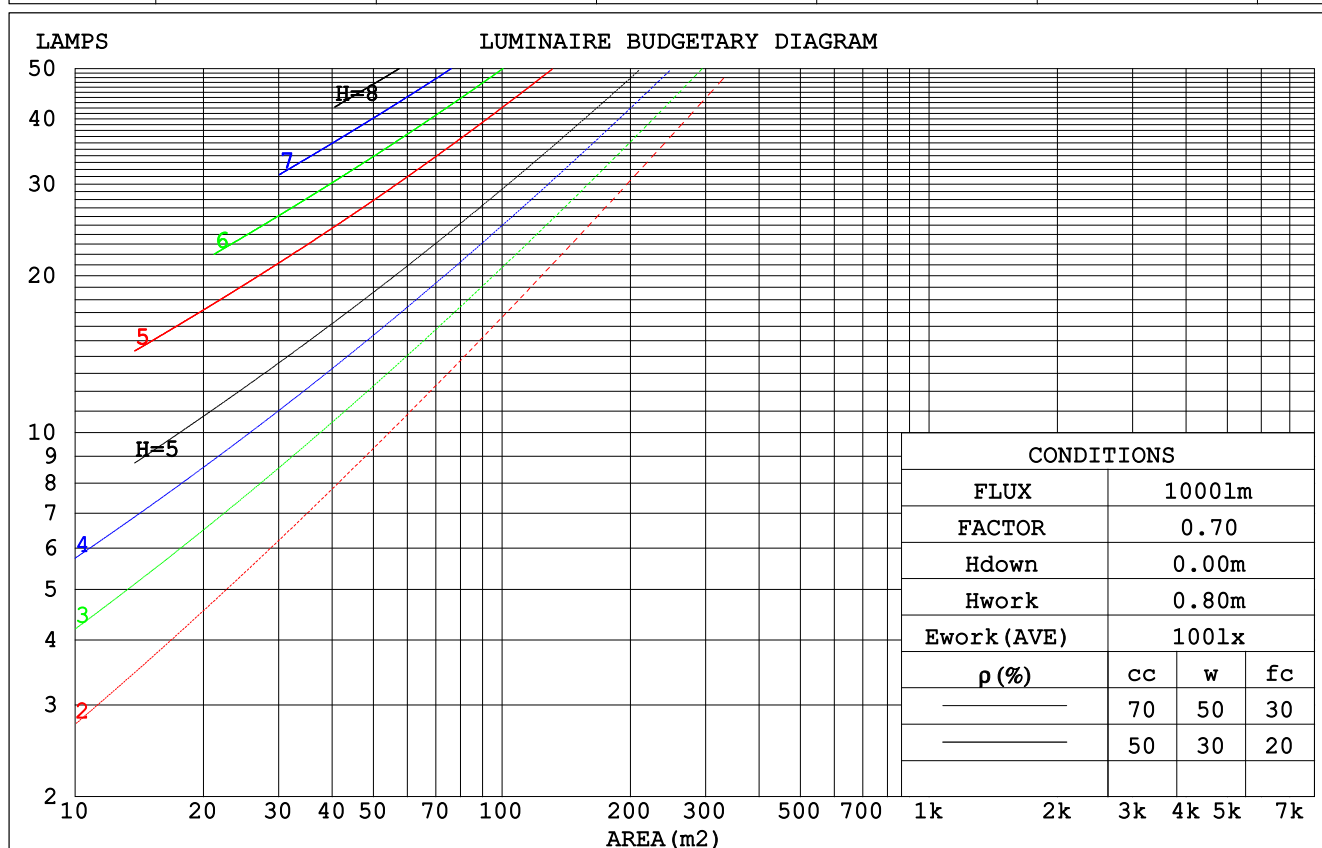
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 54.2%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks:

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	23.2	25.0	23.6	25.3	25.8	16.3	18.0	16.7	18.4	18.9
3H	27.1	28.8	27.5	29.2	29.7	18.0	19.7	18.5	20.1	20.6
4H	29.3	30.9	29.8	31.3	31.8	18.8	20.4	19.2	20.8	21.3
6H	31.7	33.2	32.2	33.7	34.2	19.4	20.9	19.9	21.4	21.9
8H	33.0	34.5	33.5	35.0	35.5	19.6	21.1	20.1	21.6	22.1
12H	34.4	35.8	34.9	36.3	36.8	19.8	21.2	20.3	21.7	22.2
4H 2H	23.8	25.4	24.3	25.9	26.4	20.1	21.7	20.5	22.1	22.6
3H	28.0	29.5	28.5	30.0	30.5	22.3	23.8	22.8	24.2	24.8
4H	30.4	31.8	31.0	32.3	32.9	23.4	24.7	23.9	25.3	25.8
6H	33.1	34.3	33.6	34.9	35.5	24.3	25.5	24.8	26.1	26.6
8H	34.5	35.7	35.1	36.2	36.8	24.6	25.8	25.2	26.3	26.9
12H	36.0	37.1	36.6	37.7	38.3	24.9	26.0	25.4	26.5	27.1
8H 4H	30.9	32.1	31.5	32.6	33.2	26.3	27.5	26.9	28.1	28.7
6H	33.9	35.0	34.5	35.5	36.2	27.9	29.0	28.5	29.5	30.2
8H	35.6	36.5	36.2	37.1	37.8	28.6	29.6	29.2	30.2	30.8
12H	37.4	38.2	38.0	38.8	39.5	29.2	30.0	29.8	30.6	31.3
12H 4H	31.0	32.1	31.5	32.6	33.3	27.3	28.4	27.9	29.0	29.6
6H	34.1	35.0	34.7	35.6	36.3	29.3	30.2	29.9	30.8	31.5
8H	35.9	36.7	36.5	37.3	38.0	30.3	31.1	30.9	31.8	32.4
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 859.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.5)

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):

168.47 lm

%lum = 19.6%

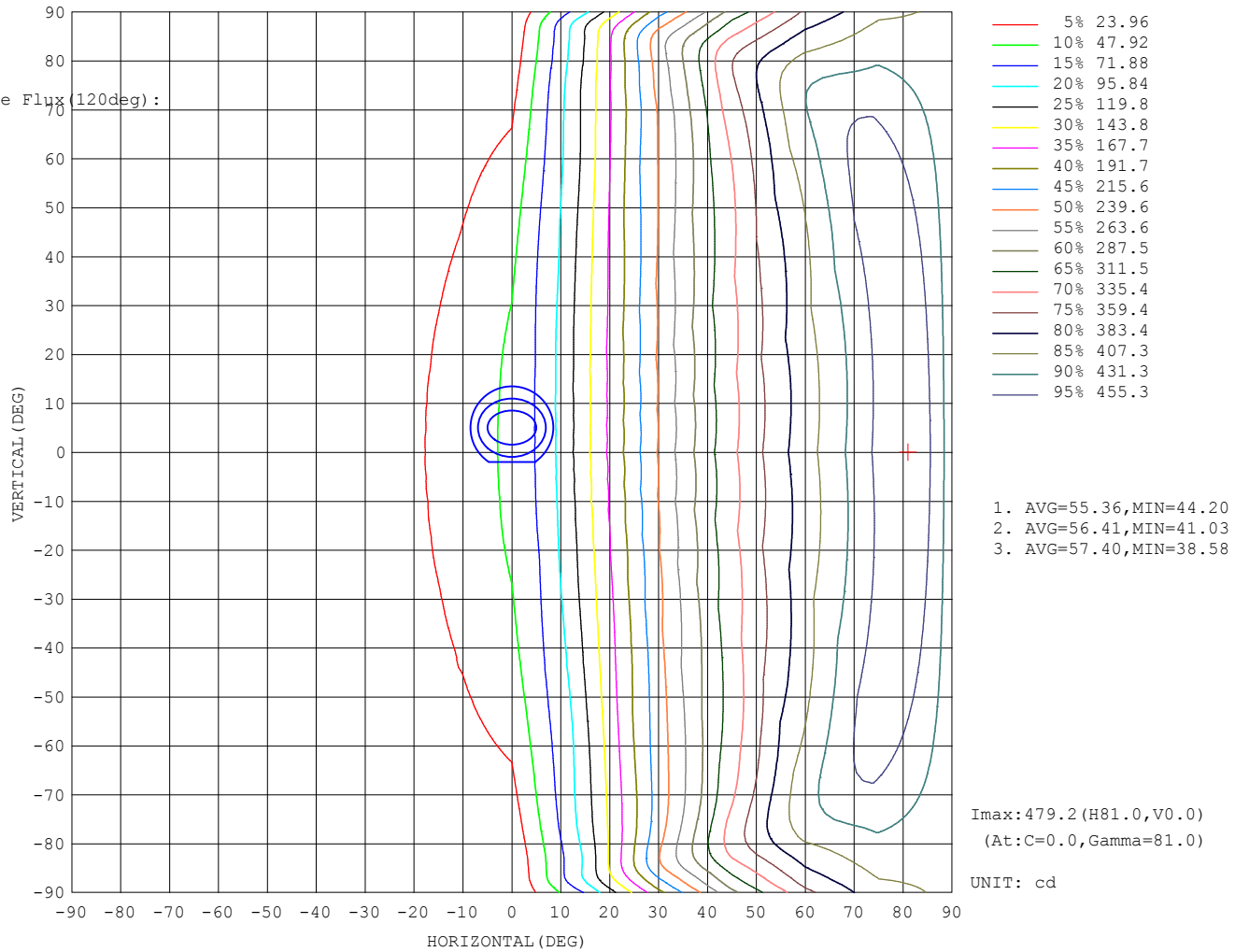
%lamp = 19.6%

Conical surface Flux(120deg):

330.74 lm

%lum = 38.5%

%lamp = 38.5%



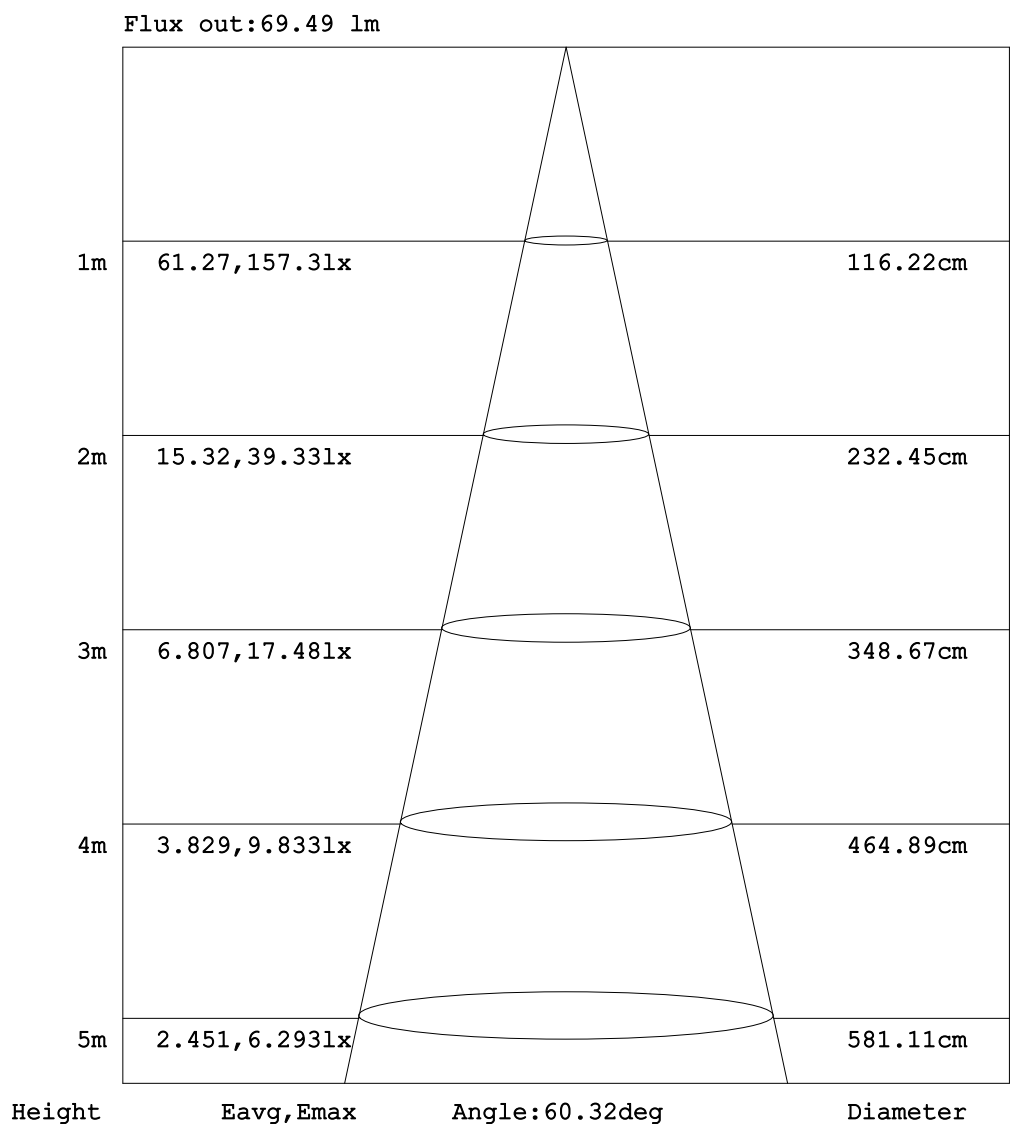
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.7DEG  
Operators:Hu Cong  
Test Date:2021-06-08

$\gamma$  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

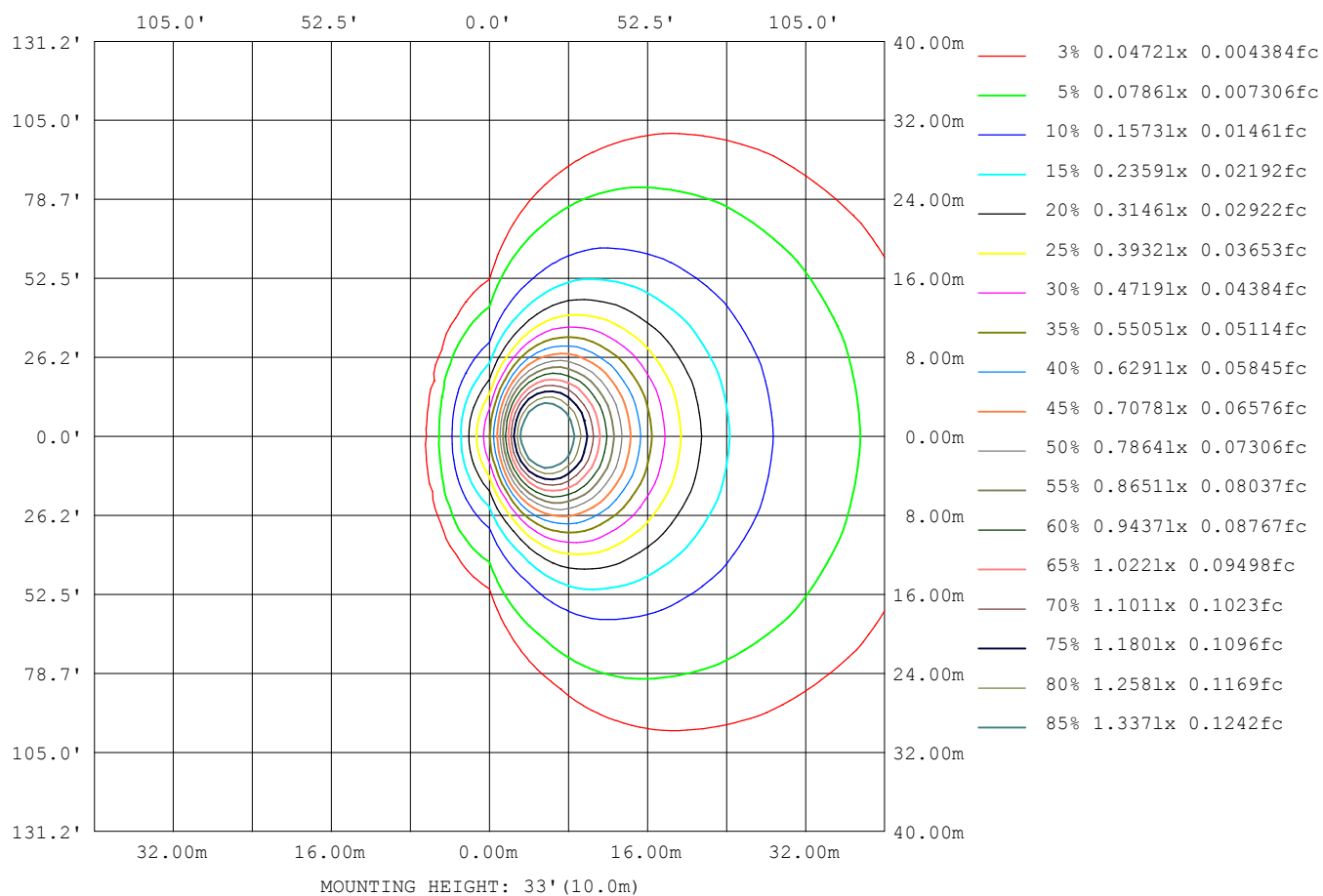
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:54.2%  
Test Distance:10.149m [K=1.0000]  
Remarks:

Checker: Hucong

Assessor: Chunbo Zhou



## ISOLUX DIAGRAM



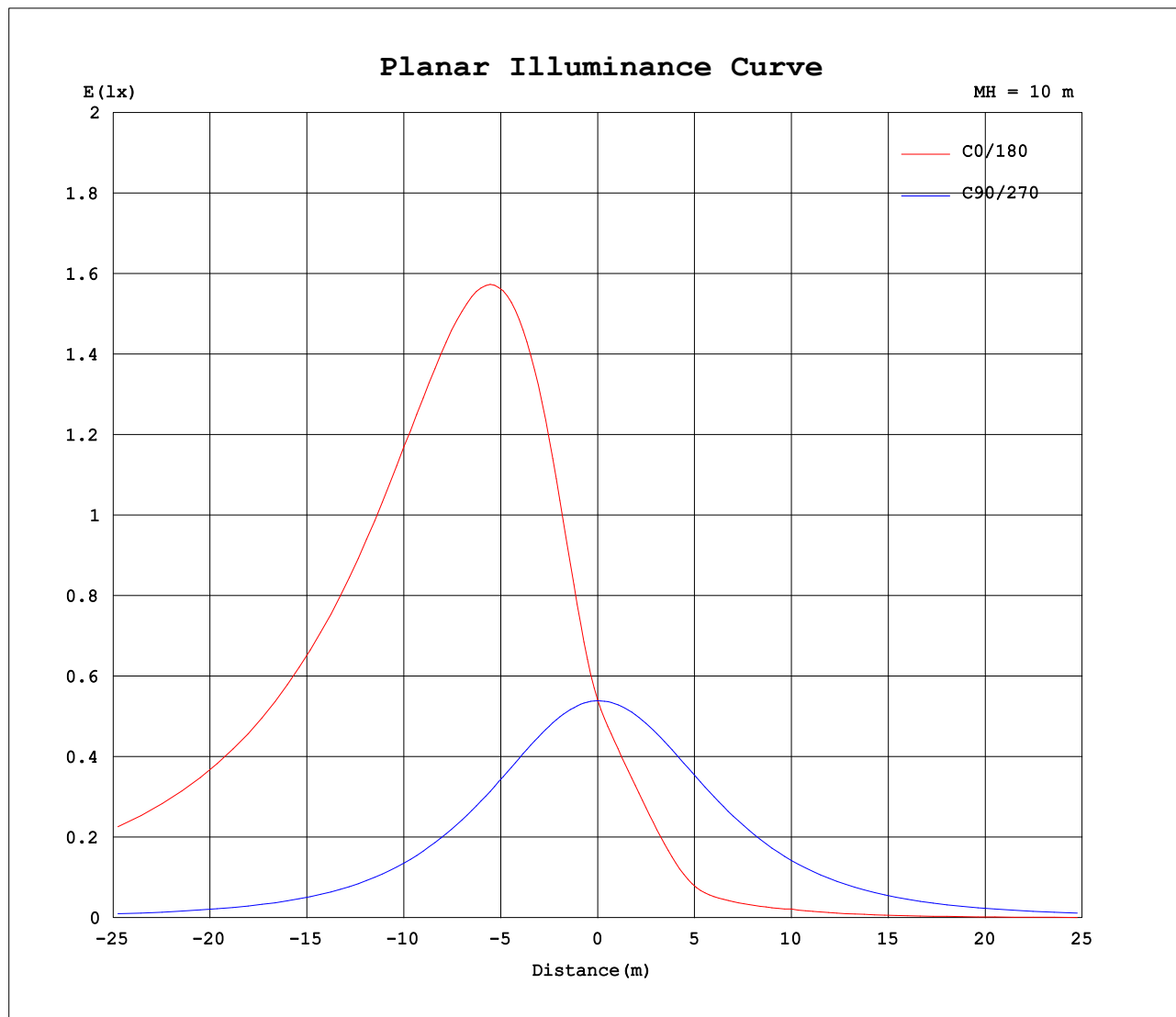
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: Hu Cong  
Test Date: 2021-06-08

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	54.1	53.8	54.1	53.9	54.1	53.9	53.9	53.9	53.9	54.0	53.8	53.9	54.1	53.8	54.1	53.9	54.1	53.9	53.9
5	73.9	72.5	70.2	66.2	62.0	57.5	53.7	50.7	48.4	46.7	45.3	44.6	44.4	44.5	45.5	46.7	48.6	50.9	53.9
10	103	100.0	93.7	83.5	72.4	61.3	53.0	47.7	43.7	40.5	38.1	36.7	36.3	36.7	38.3	40.7	44.0	47.9	53.5
15	137	132	121	104	84.6	65.4	51.9	44.6	39.0	34.5	31.0	29.0	28.4	29.0	31.4	34.7	39.4	44.9	52.7
20	172	166	151	126	98.1	69.8	50.4	41.4	34.2	28.5	23.8	21.1	20.2	21.0	24.2	28.7	34.8	41.8	51.6
25	208	200	180	149	112	74.1	48.7	37.9	29.5	22.4	16.9	13.8	12.9	13.7	17.1	22.6	30.1	38.5	50.1
30	242	234	209	171	126	78.5	46.6	34.4	24.7	16.6	11.4	9.38	8.79	9.17	11.3	16.7	25.3	35.0	48.2
35	274	265	237	193	139	82.7	44.2	30.9	20.1	12.0	8.86	7.81	7.34	7.59	8.51	11.8	20.5	31.5	46.0
40	303	294	263	215	152	86.7	41.6	27.3	15.9	9.61	7.77	6.87	6.48	6.70	7.37	9.15	16.0	27.8	43.4
45	331	321	287	235	165	90.8	38.4	24.4	13.0	9.15	7.63	7.08	6.19	5.90	6.57	8.00	12.4	24.3	40.4
50	354	343	308	252	177	93.2	35.0	20.4	10.5	7.45	6.14	5.25	4.95	5.07	5.74	7.02	10.1	20.8	37.1
55	376	364	327	268	189	95.6	31.0	17.3	9.11	6.54	5.33	4.50	4.17	4.32	4.90	6.06	8.62	17.4	33.5
60	397	384	344	282	198	98.0	26.9	14.3	7.73	5.57	4.54	3.78	3.49	3.61	4.12	5.06	7.24	14.3	29.5
65	418	404	361	294	206	101	22.5	11.1	6.21	4.59	3.81	3.14	2.86	2.99	3.41	4.13	5.79	11.1	25.1
70	439	424	380	306	212	103	17.7	6.66	4.65	3.73	3.19	2.65	2.36	2.51	2.81	3.30	4.35	6.81	20.5
75	461	445	399	319	218	104	12.1	2.91	3.41	2.96	2.67	2.31	2.05	2.16	2.31	2.59	3.19	2.88	15.6
80	478	463	417	338	228	102	6.42	1.41	2.47	2.31	2.22	2.13	1.93	1.96	1.93	2.00	2.17	1.48	10.4
85	460	447	405	335	236	99.9	1.84	0.70	1.67	1.75	1.89	2.02	1.87	1.84	1.64	1.52	1.35	0.75	5.38
90	412	398	353	282	184	73.8	0.01	0.40	1.04	1.27	1.49	1.55	1.40	1.40	1.23	1.12	0.81	0.38	0.65
95	276	260	201	117	21.6	0.04	0.01	0.28	0.67	1.03	1.32	1.50	1.39	1.29	1.15	0.88	0.53	0.19	0.00
100	53.4	44.4	19.2	4.13	0.61	0.00	0.03	0.30	0.67	1.09	1.34	1.54	1.52	1.39	1.25	0.90	0.58	0.19	0.01
105	4.59	3.79	2.32	0.98	0.13	0.00	0.04	0.32	0.68	1.09	1.37	1.55	1.55	1.49	1.34	0.99	0.61	0.19	0.03
110	1.85	1.48	0.57	0.23	0.03	0.02	0.04	0.32	0.73	1.07	1.37	1.53	1.54	1.51	1.32	1.03	0.62	0.23	0.05
115	0.62	0.47	0.39	0.11	0.04	0.03	0.04	0.33	0.72	1.04	1.35	1.45	1.54	1.50	1.26	1.03	0.62	0.23	0.08
120	0.47	0.36	0.25	0.03	0.03	0.00	0.04	0.33	0.68	0.95	1.28	1.37	1.44	1.43	1.22	0.99	0.58	0.24	0.11
125	0.41	0.34	0.23	0.01	0.00	0.01	0.04	0.34	0.65	0.91	1.20	1.31	1.37	1.36	1.14	0.95	0.55	0.24	0.18
130	0.41	0.32	0.16	0.03	0.00	0.05	0.05	0.34	0.61	0.86	1.13	1.24	1.32	1.29	1.07	0.90	0.53	0.24	0.17
135	0.43	0.26	0.09	0.06	0.02	0.10	0.06	0.34	0.60	0.83	1.08	1.17	1.22	1.19	0.97	0.82	0.50	0.24	0.15
140	0.40	0.23	0.08	0.06	0.04	0.10	0.08	0.29	0.55	0.72	0.97	1.05	1.08	1.07	0.87	0.73	0.46	0.24	0.18
145	0.35	0.05	0.05	0.04	0.06	0.10	0.09	0.25	0.49	0.62	0.84	0.92	0.95	0.96	0.78	0.66	0.44	0.24	0.20
150	0.28	0.03	0.03	0.04	0.06	0.11	0.11	0.22	0.41	0.53	0.72	0.76	0.85	0.85	0.67	0.58	0.35	0.24	0.18
155	0.25	0.03	0.02	0.06	0.06	0.11	0.13	0.21	0.36	0.45	0.60	0.62	0.73	0.73	0.58	0.51	0.33	0.24	0.17
160	0.23	0.04	0.04	0.09	0.06	0.13	0.14	0.17	0.31	0.34	0.49	0.52	0.62	0.62	0.50	0.45	0.26	0.23	0.17
165	0.06	0.06	0.04	0.12	0.10	0.15	0.14	0.15	0.27	0.28	0.40	0.40	0.51	0.51	0.45	0.38	0.24	0.21	0.17
170	0.06	0.10	0.08	0.17	0.14	0.15	0.14	0.15	0.24	0.23	0.31	0.31	0.39	0.40	0.33	0.32	0.22	0.20	0.17
175	0.14	0.16	0.13	0.19	0.14	0.15	0.14	0.15	0.20	0.19	0.24	0.22	0.28	0.32	0.23	0.26	0.17	0.19	0.18
180	0.26	0.23	0.18	0.19	0.16	0.16	0.14	0.14	0.18	0.18	0.19	0.18	0.23	0.22	0.21	0.21	0.18	0.19	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	53.9	53.9	54.0	53.8	53.9														
5	57.9	62.2	66.7	70.0	72.7														
10	62.4	73.4	84.9	93.8	101														
15	67.5	86.7	107	122	133														
20	73.0	102	130	152	167														
25	78.6	117	154	182	201														
30	84.4	132	177	213	234														
35	90.1	147	200	242	266														
40	95.6	162	223	269	295														
45	101	176	243	293	321														
50	105	189	262	315	344														
55	108	201	278	334	365														
60	112	212	293	352	387														
65	116	221	306	370	407														
70	120	228	320	388	427														
75	123	237	335	407	449														
80	121	245	352	426	466														
85	120	253	348	415	449														
90	91.1	205	296	364	402														
95	0.52	30.7	124	214	261														
100	0.03	1.02	4.33	21.3	41.9														
105	0.03	0.19	1.05	2.85	4.03														
110	0.04	0.17	0.38	0.68	1.64														
115	0.04	0.17	0.28	0.36	0.56														
120	0.04	0.17	0.27	0.32	0.44														
125	0.06	0.17	0.26	0.29	0.39														
130	0.07	0.17	0.26	0.27	0.36														
135	0.08	0.16	0.26	0.27	0.31														
140	0.08	0.15	0.25	0.24	0.29														
145	0.08	0.14	0.22	0.21	0.28														
150	0.08	0.13	0.20	0.17	0.24														
155	0.08	0.14	0.17	0.15	0.20														
160	0.09	0.14	0.16	0.14	0.17														
165	0.14	0.14	0.16	0.14	0.16														
170	0.14	0.14	0.16	0.14	0.15														
175	0.14	0.14	0.15	0.15	0.15														
180	0.14	0.14	0.15	0.15	0.15														

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