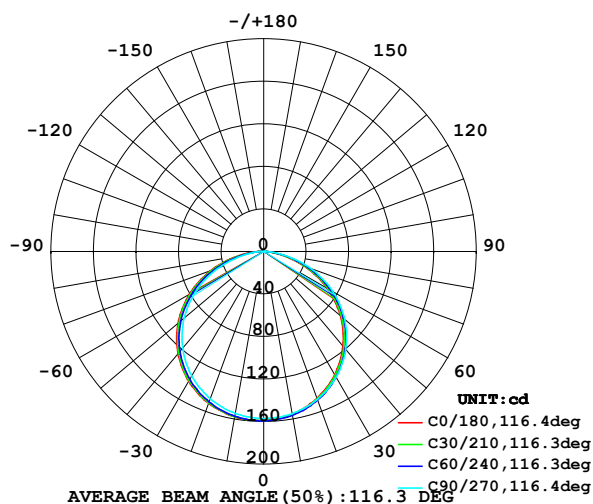


## LUMINAIRE PHOTOMETRIC TEST REPORT

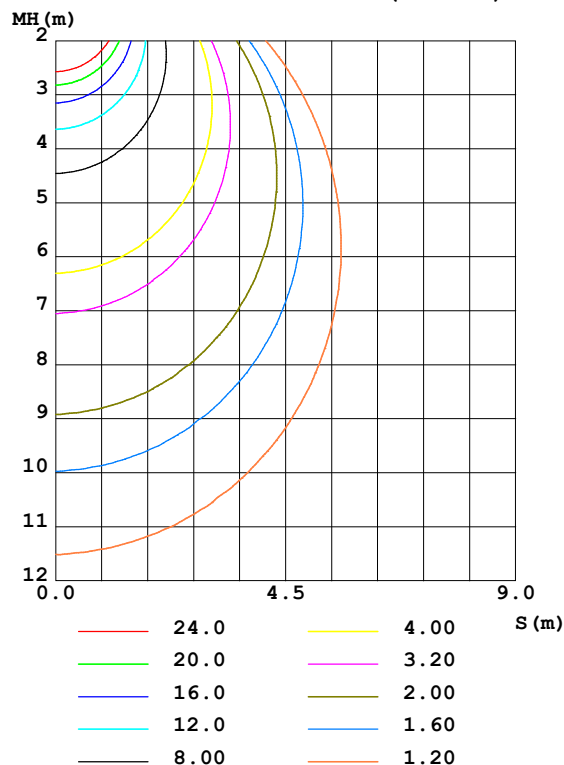
Test:U:12.00V I:0.3960A P:4.752W PF:1.000 Lamp Flux:470.94x1 lm		
NAME: LED Soft light bar	SUR.:0.08m*1.0m	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.10 lm/W			
MODEL	EKF4248HL90	Imax(cd)	159.5	S/MH(C0/180)	1.32
NOMINAL POWER(W)	/	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	470.94	$\eta$ UP,DN(C0-180)	0.2,49.9
NOMINAL FLUX(lm)	470.94	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.2,49.8
LAMPS INSIDE	1	$\eta$ up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	$\eta$ down(%)	99.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

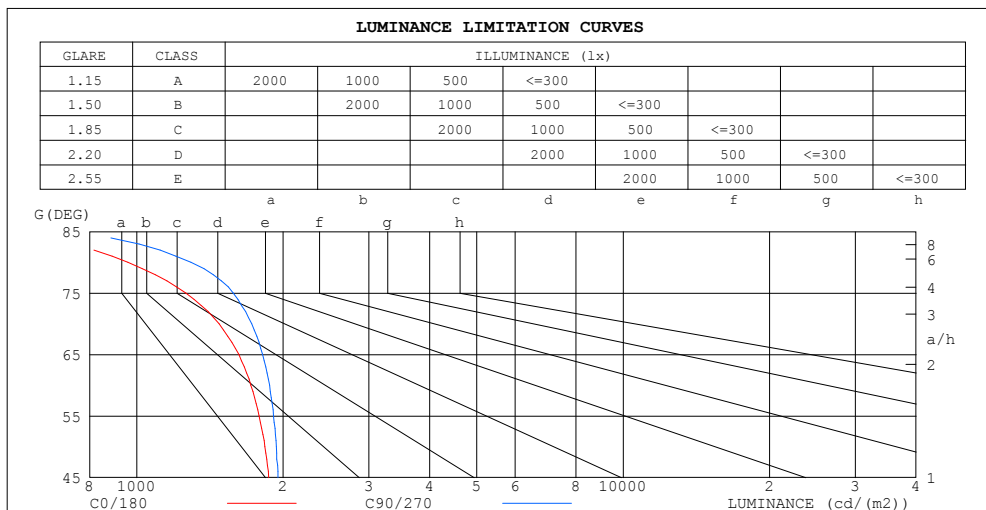
Checker: Bo Zou

Assessor: Chunbo Zou

## 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	155.4	156.1	154.9	155.2	157.8	157.5	154.6	153.1	0- 10	14.95	14.95	3.17,3.17
20	146.9	148.2	148.0	149.1	151.8	150.8	147.3	145.0	10- 20	43.03	57.98	12.3,12.3
30	133.7	135.4	136.4	138.3	140.9	139.3	135.3	132.6	20- 30	65.86	123.8	26.3,26.3
40	116.3	118.3	120.1	122.7	125.5	123.6	118.6	115.2	30- 40	80.48	204.3	43.4,43.4
50	94.24	96.82	99.60	102.6	105.1	102.9	97.71	93.99	40- 50	84.79	289.1	61.4,61.4
60	68.60	71.59	74.98	78.67	80.94	78.23	72.85	69.02	50- 60	77.78	366.9	77.9,77.9
70	40.38	43.07	47.15	51.34	53.19	50.12	44.86	40.95	60- 70	59.84	426.7	90.6,90.6
80	13.32	15.29	17.95	23.04	24.47	21.31	16.86	14.08	70- 80	33.82	460.5	97.8,97.8
90	0.6630	0.5320	0	2.633	3.163	1.790	0	0.7407	80- 90	8.879	469.4	99.7,99.7
100	0.0427	0.0356	0	0.0071	0	0	0.0001	0	90-100	0.2580	469.7	99.7,99.7
110	0.0710	0.1281	0.0568	0.0996	0.0500	0.0496	0.0996	0.0569	100-110	0.0397	469.7	99.7,99.7
120	0.1706	0.2276	0.1636	0.2062	0.1565	0.1279	0.1991	0.1564	110-120	0.1203	469.8	99.8,99.8
130	0.2645	0.3273	0.2631	0.2917	0.2420	0.2062	0.2988	0.2302	120-130	0.1967	470.0	99.8,99.8
140	0.3840	0.4197	0.3767	0.3840	0.3414	0.2915	0.3770	0.3128	130-140	0.2404	470.3	99.9,99.9
150	0.4407	0.4880	0.4054	0.4482	0.4197	0.3755	0.4481	0.3876	140-150	0.2460	470.5	99.9,99.9
160	0.5246	0.5203	0.5027	0.5120	0.4836	0.5049	0.5120	0.4978	150-160	0.2160	470.7	100,100
170	0.5214	0.5238	0.5124	0.5162	0.5169	0.5120	0.5224	0.5224	160-170	0.1462	470.9	100,100
180	0.5263	0.5263	0.5192	0.5192	0.5263	0.5192	0.5192	0.5192	170-180	0.0495	470.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	600	742
80	959	1292
75	1261	1579
70	1476	1723
65	1622	1814
60	1715	1875
55	1784	1911
50	1833	1937
45	1868	1952

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

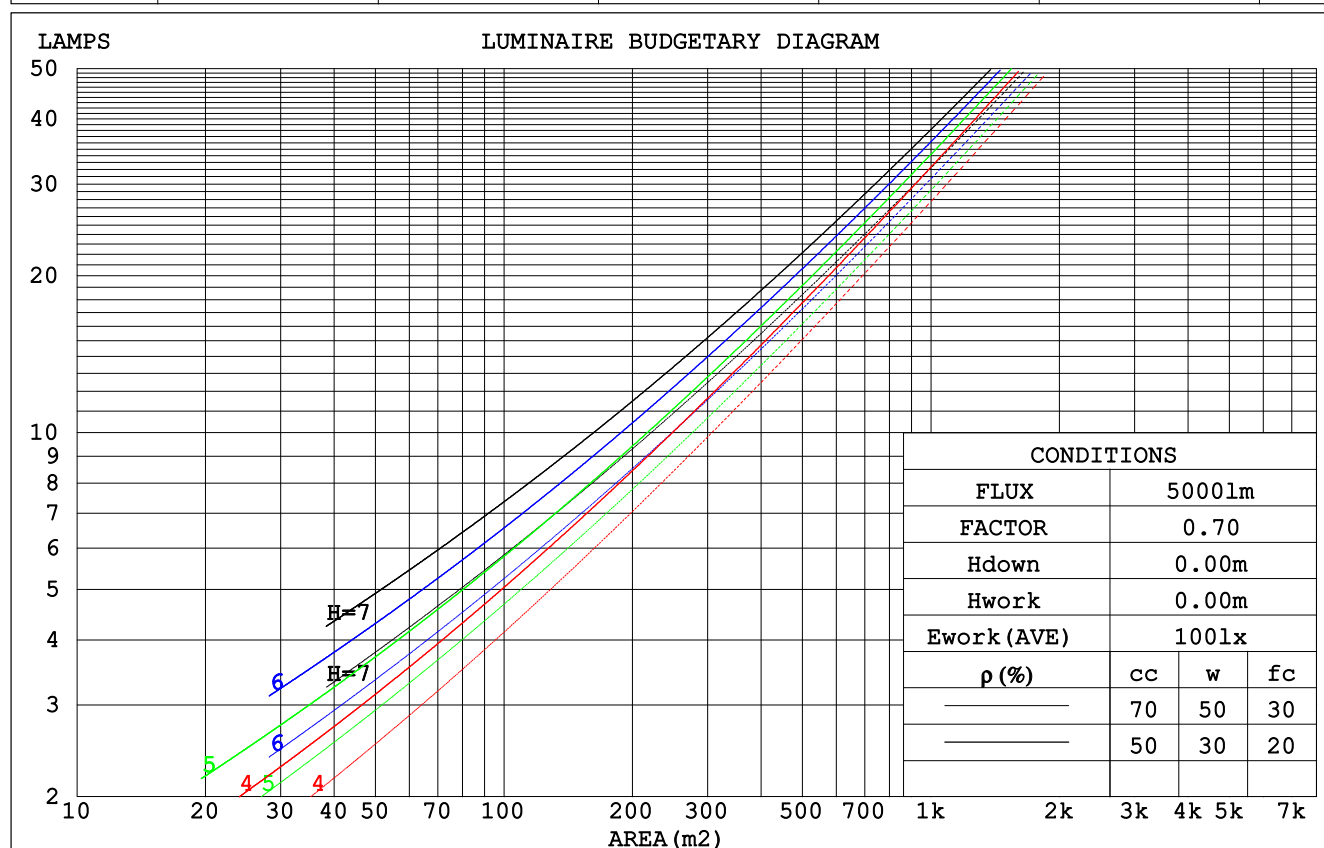
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## 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	1.19	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	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.30	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## 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	.313	.178	.056	.305	.174	.055	.292	.168	.054	.280	.161	.052	.268	.155	.050	
2.0	.294	.161	.050	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.045	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021	

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.159	.137	.157	.136	.118	.107	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.175	.134	.100	.150	.116	.087	.103	.080	.060	.059	.047	.035	.019	.015	.012	
3.0	.167	.117	.076	.144	.101	.066	.099	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.104	.061	.137	.089	.053	.094	.062	.037	.055	.037	.022	.018	.012	.007	
5.0	.152	.093	.049	.131	.081	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.085	.041	.125	.073	.036	.086	.051	.026	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.036	.119	.068	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.114	.063	.027	.079	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.126	.067	.028	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.104	.055	.022	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

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	14.8	16.3	15.1	16.5	16.7	15.1	16.6	15.4	16.8	17.1
3H	16.2	17.6	16.5	17.8	18.1	16.7	18.1	17.0	18.3	18.6
4H	16.6	18.0	17.0	18.2	18.5	17.3	18.6	17.6	18.9	19.1
6H	16.9	18.2	17.2	18.4	18.7	17.6	18.9	18.0	19.2	19.5
8H	16.9	18.2	17.3	18.5	18.8	17.7	19.0	18.1	19.2	19.5
12H	16.9	18.1	17.3	18.4	18.7	17.7	18.9	18.1	19.2	19.5
4H 2H	15.4	16.8	15.7	17.0	17.3	15.7	17.0	16.0	17.3	17.5
3H	17.0	18.1	17.3	18.4	18.8	17.4	18.6	17.7	18.9	19.2
4H	17.5	18.6	17.9	19.0	19.3	18.1	19.2	18.5	19.5	19.8
6H	17.9	18.9	18.3	19.2	19.6	18.6	19.5	19.0	19.9	20.3
8H	18.0	18.9	18.4	19.2	19.6	18.7	19.6	19.1	20.0	20.4
12H	18.0	18.8	18.4	19.2	19.6	18.8	19.6	19.2	20.0	20.4
8H 4H	17.8	18.7	18.2	19.1	19.4	18.3	19.2	18.7	19.5	19.9
6H	18.3	19.0	18.7	19.4	19.8	18.9	19.6	19.3	20.0	20.5
8H	18.4	19.0	18.8	19.5	19.9	19.1	19.8	19.6	20.2	20.6
12H	18.4	19.0	18.9	19.5	19.9	19.2	19.8	19.7	20.2	20.7
12H 4H	17.8	18.6	18.2	19.0	19.4	18.3	19.1	18.7	19.5	19.9
6H	18.3	18.9	18.8	19.4	19.8	18.9	19.6	19.4	20.0	20.5
8H	18.4	19.0	18.9	19.5	19.9	19.1	19.7	19.6	20.2	20.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 470.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.6)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## 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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	91	84	96	89	84	93	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

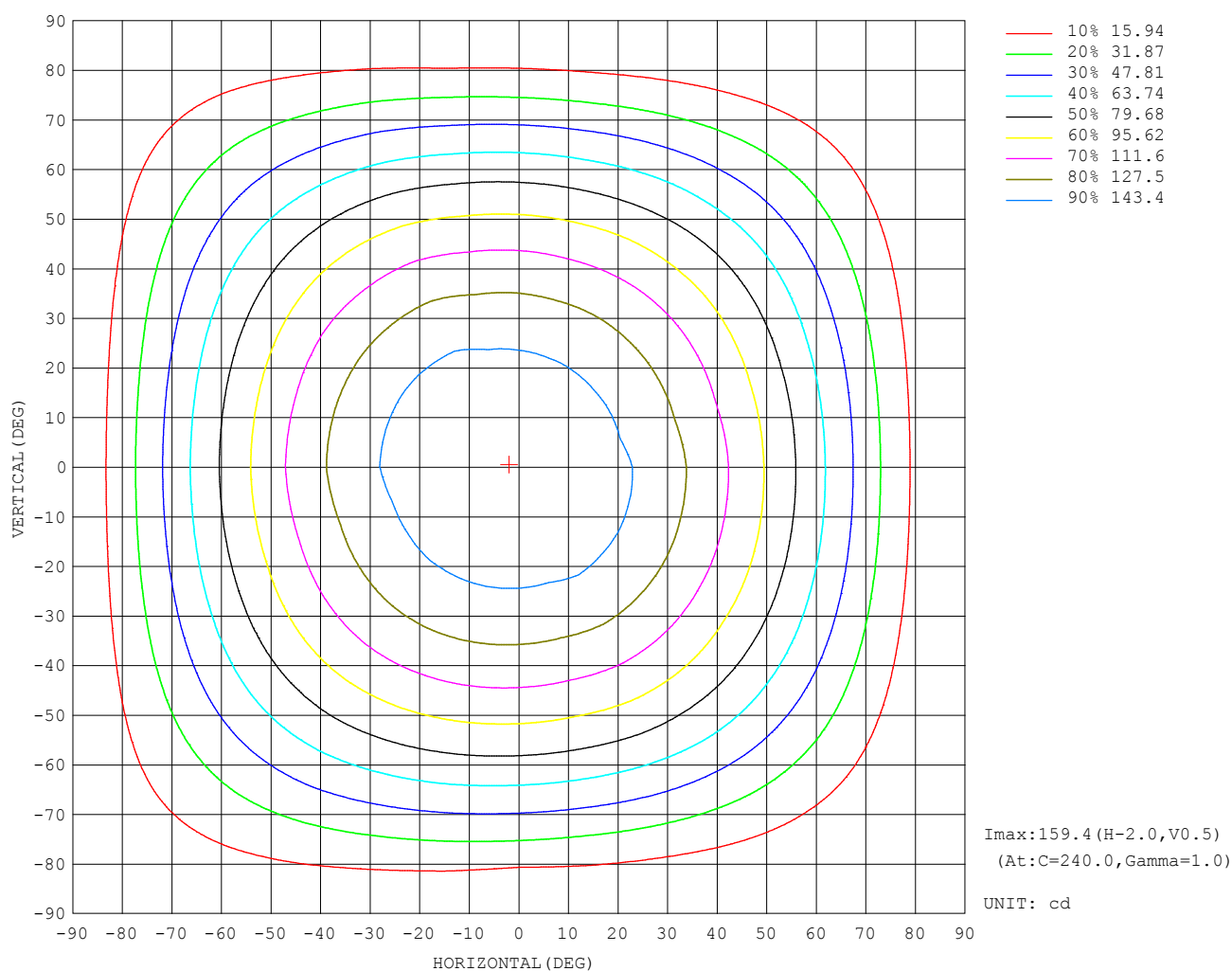
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

Checker: Bo Zou

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zou

## ISOCANDELA DIAGRAM



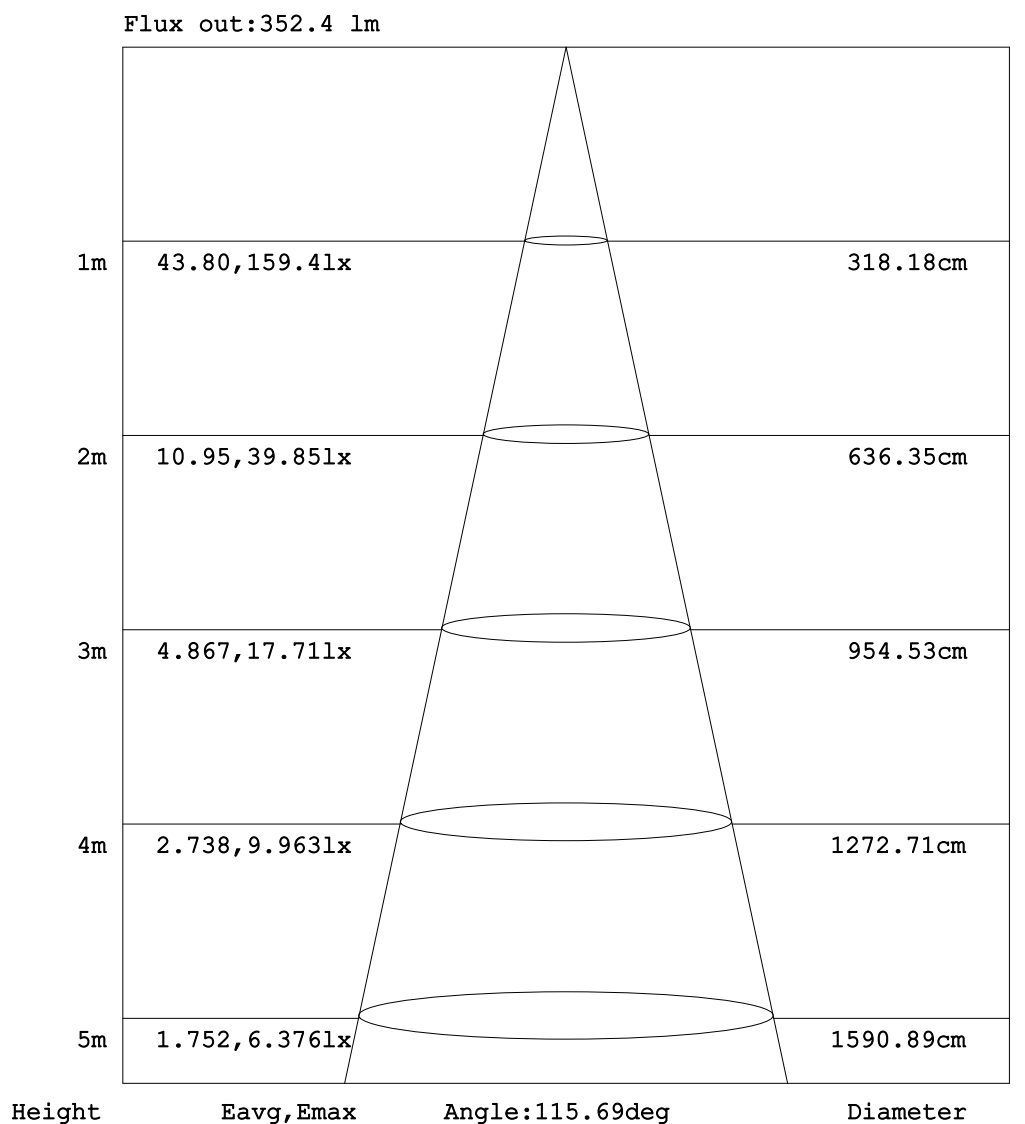
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## 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: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

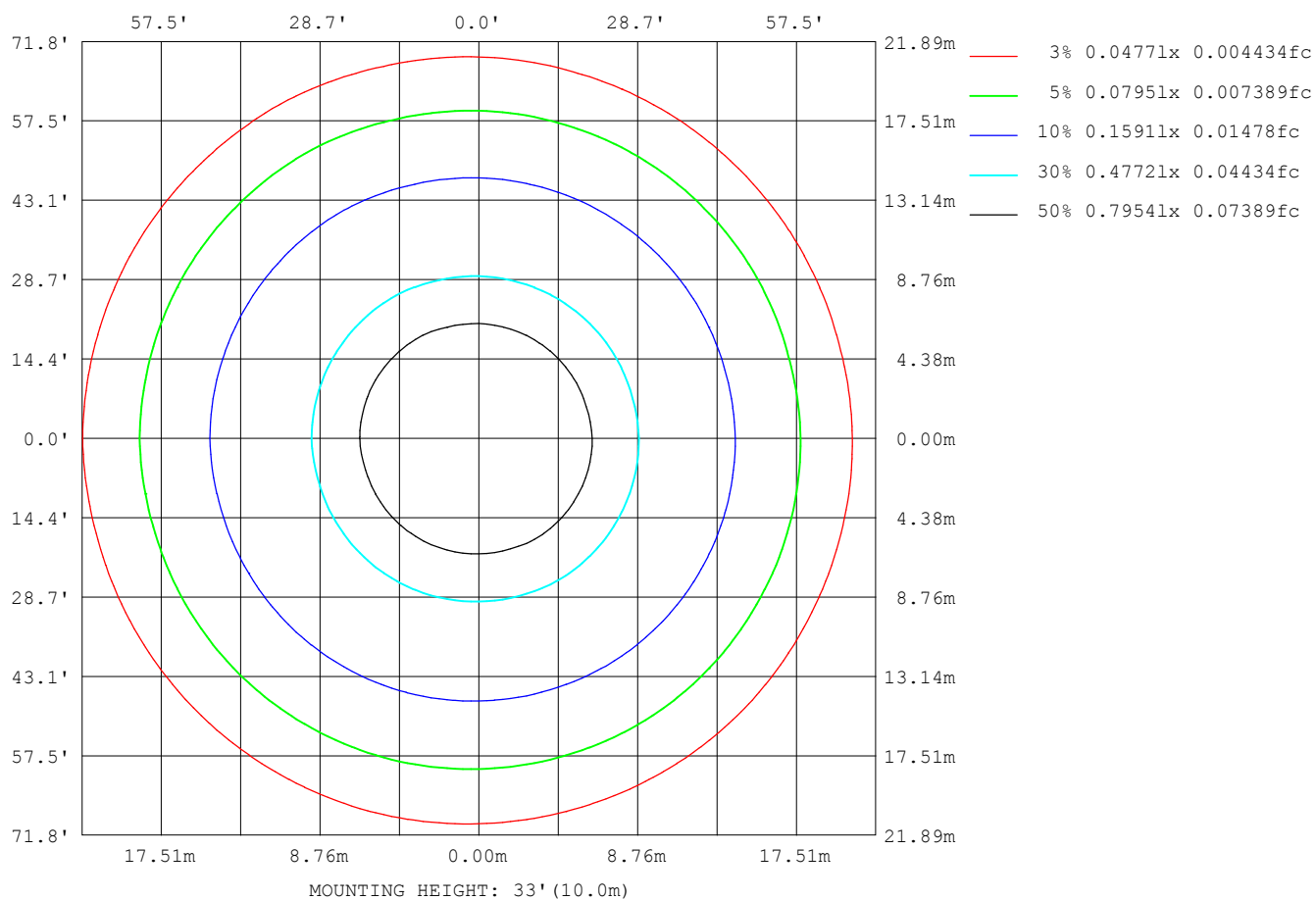
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou



## ISOLUX DIAGRAM



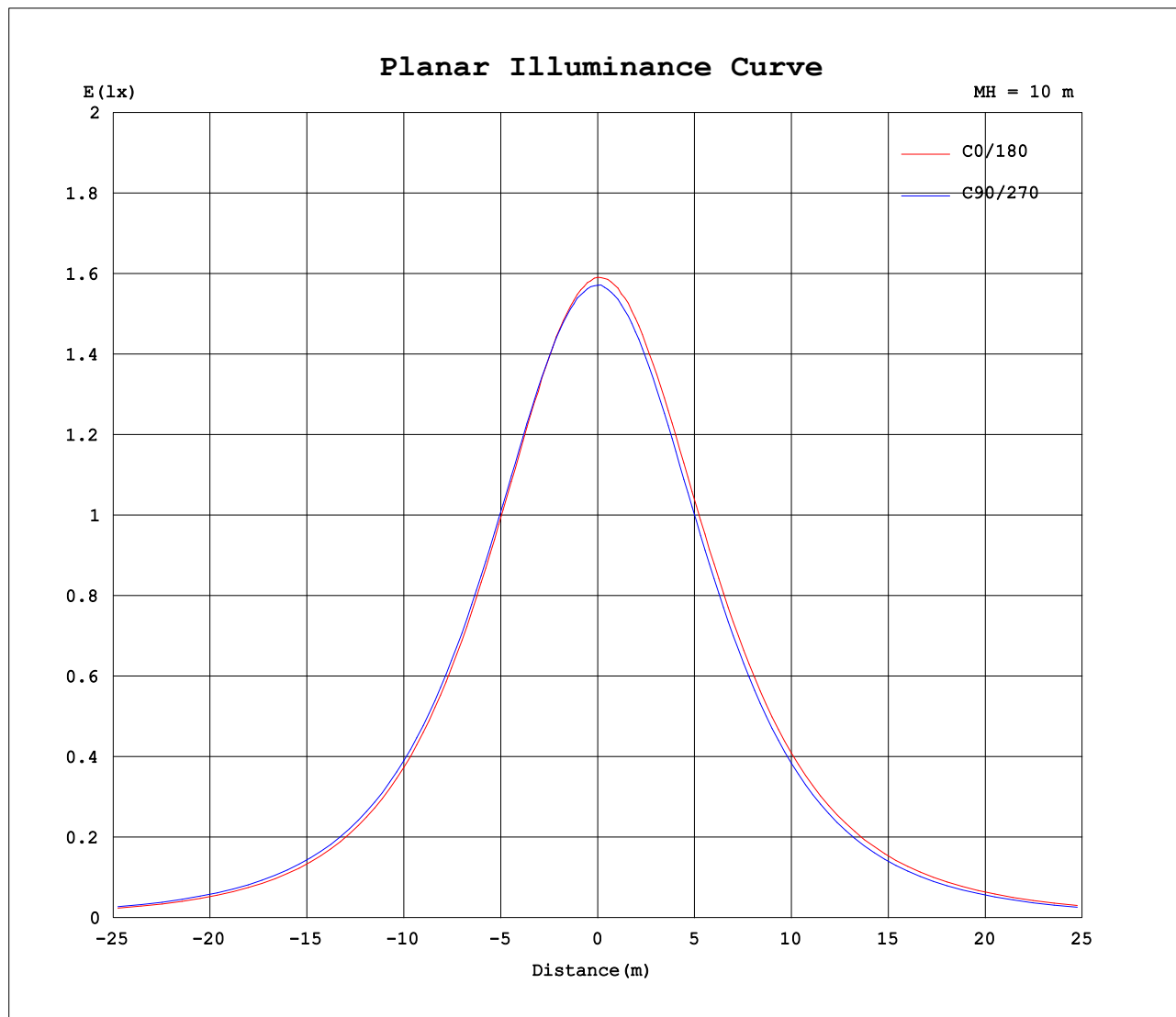
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

Checker: Bo Zou

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zou

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

Checker: Bo Zou

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zou

## 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	159	159	159	159	159	157	157	157	157	157	156	157	159	159	159	159	159	157	157
5	158	158	158	158	158	157	157	157	156	157	156	157	159	159	159	159	159	157	156
10	155	155	156	156	157	155	155	155	155	155	155	156	158	158	158	158	157	155	155
15	152	152	152	153	153	152	152	152	153	152	153	153	155	155	155	155	155	152	152
20	147	147	148	148	149	148	148	148	149	149	149	149	152	152	151	151	151	148	147
25	141	141	142	142	143	142	143	143	144	144	144	145	147	147	146	146	145	143	142
30	134	134	134	135	136	136	136	137	138	138	139	139	141	141	140	139	139	136	135
35	125	126	127	127	128	128	129	130	130	131	131	132	134	133	133	132	131	129	128
40	116	117	117	118	119	119	120	121	122	123	123	123	125	125	125	124	123	120	119
45	106	106	107	108	109	109	110	112	112	113	114	114	116	115	115	114	113	110	109
50	94.2	95.1	95.4	96.8	98.1	98.4	99.6	101	102	103	103	103	105	104	104	103	102	99.2	97.7
55	81.9	82.5	83.4	84.6	85.8	86.7	87.7	89.1	90.2	91.0	91.6	92.1	93.6	92.8	92.2	91.0	89.8	87.4	85.7
60	68.6	69.4	70.1	71.6	72.9	73.6	75.0	76.4	77.7	78.7	79.1	79.7	80.9	80.2	79.4	78.2	77.0	74.5	72.9
65	54.8	55.4	56.2	57.6	58.9	59.9	61.3	63.0	64.2	65.2	65.9	66.2	67.4	66.7	65.8	64.4	63.1	60.6	59.1
70	40.4	41.0	41.8	43.1	44.4	45.7	47.1	48.8	50.1	51.3	51.9	52.4	53.2	52.5	51.5	50.1	48.8	46.3	44.9
75	26.1	26.7	27.4	28.7	29.9	31.1	32.7	34.4	35.8	37.0	37.6	38.0	38.7	37.8	36.9	35.5	34.0	31.9	30.4
80	13.3	13.7	14.3	15.3	16.2	17.4	17.9	20.5	21.9	23.0	23.6	24.1	24.5	23.7	22.8	21.3	20.0	17.6	16.9
85	4.19	4.37	4.58	5.07	5.67	6.45	5.17	8.61	9.85	10.9	11.5	11.8	11.9	11.3	10.5	9.28	8.16	6.85	5.75
90	0.66	0.59	0.60	0.53	0.59	0.73	0.00	1.57	2.15	2.63	3.02	3.24	3.16	2.74	2.34	1.79	1.36	0.97	0.00
95	0.16	0.08	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.02	0.03	0.07	0.01	0.02	0.00	0.00	0.00
100	0.04	0.03	0.02	0.04	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.05	0.07	0.04	0.07	0.06	0.08	0.06	0.06	0.03	0.05	0.00	0.04	0.01	0.00	0.01	0.00	0.02	0.00	0.04
110	0.07	0.13	0.06	0.13	0.06	0.13	0.06	0.10	0.05	0.10	0.06	0.09	0.05	0.03	0.06	0.05	0.08	0.06	0.10
115	0.14	0.19	0.15	0.18	0.13	0.18	0.13	0.16	0.11	0.15	0.08	0.14	0.11	0.05	0.11	0.05	0.13	0.07	0.15
120	0.17	0.23	0.17	0.23	0.16	0.24	0.16	0.21	0.14	0.21	0.14	0.19	0.16	0.09	0.16	0.13	0.19	0.14	0.20
125	0.23	0.28	0.23	0.28	0.23	0.28	0.23	0.26	0.19	0.26	0.17	0.24	0.20	0.15	0.21	0.17	0.23	0.17	0.24
130	0.26	0.33	0.27	0.33	0.27	0.33	0.26	0.31	0.25	0.29	0.23	0.29	0.24	0.18	0.26	0.21	0.28	0.23	0.30
135	0.31	0.38	0.31	0.37	0.31	0.37	0.31	0.36	0.28	0.34	0.28	0.33	0.29	0.25	0.31	0.25	0.33	0.27	0.33
140	0.38	0.43	0.37	0.42	0.37	0.41	0.38	0.38	0.36	0.38	0.31	0.37	0.34	0.28	0.35	0.29	0.37	0.31	0.38
145	0.39	0.46	0.39	0.45	0.39	0.43	0.38	0.44	0.37	0.42	0.37	0.42	0.38	0.31	0.39	0.36	0.41	0.37	0.42
150	0.44	0.49	0.43	0.49	0.42	0.48	0.41	0.46	0.40	0.45	0.39	0.45	0.42	0.37	0.43	0.38	0.45	0.39	0.45
155	0.53	0.51	0.53	0.52	0.52	0.51	0.50	0.50	0.50	0.48	0.41	0.47	0.46	0.39	0.46	0.40	0.48	0.41	0.48
160	0.52	0.53	0.51	0.52	0.52	0.52	0.50	0.51	0.51	0.51	0.52	0.52	0.48	0.49	0.49	0.50	0.50	0.51	0.51
165	0.52	0.53	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.52	0.52	0.51	0.50	0.52	0.51	0.50	0.51	0.52
170	0.52	0.53	0.52	0.52	0.52	0.52	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.52	0.51	0.51	0.51	0.52
175	0.52	0.53	0.52	0.53	0.52	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.52	0.52	0.52
180	0.53	0.53	0.52	0.53	0.52	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.52	0.52	0.52	0.52

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.1DEG  
Operators:Bo Zou  
Test Date:2021-05-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:33.6%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	157	157	157	156	157														
5	156	156	155	156	155														
10	154	154	153	153	153														
15	151	150	150	150	149														
20	147	146	145	145	145														
25	141	140	139	139	139														
30	134	133	133	132	132														
35	126	125	124	124	124														
40	117	116	115	115	114														
45	107	106	105	105	104														
50	96.2	95.2	94.0	93.5	93.0														
55	84.1	83.0	82.0	81.4	81.0														
60	71.2	70.0	69.0	68.4	67.8														
65	57.4	56.3	55.2	54.6	54.1														
70	43.1	42.1	41.0	40.5	40.0														
75	28.9	27.9	26.9	26.4	26.0														
80	15.6	14.9	14.1	13.7	13.4														
85	4.43	5.09	4.75	4.59	4.35														
90	0.56	0.67	0.74	0.72	0.76														
95	0.00	0.00	0.07	0.06	0.17														
100	0.00	0.01	0.00	0.00	0.01														
105	0.01	0.05	0.01	0.04	0.01														
110	0.05	0.09	0.06	0.09	0.05														
115	0.09	0.15	0.08	0.14	0.08														
120	0.15	0.20	0.16	0.20	0.13														
125	0.18	0.24	0.18	0.24	0.18														
130	0.23	0.29	0.23	0.28	0.24														
135	0.28	0.33	0.27	0.33	0.27														
140	0.31	0.38	0.31	0.37	0.30														
145	0.38	0.41	0.37	0.41	0.37														
150	0.39	0.44	0.39	0.44	0.39														
155	0.44	0.47	0.44	0.47	0.42														
160	0.51	0.52	0.50	0.51	0.52														
165	0.52	0.52	0.52	0.51	0.51														
170	0.52	0.52	0.52	0.51	0.51														
175	0.51	0.51	0.52	0.52	0.52														
180	0.51	0.51	0.52	0.52	0.52														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

Checker: Bo Zou

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zou