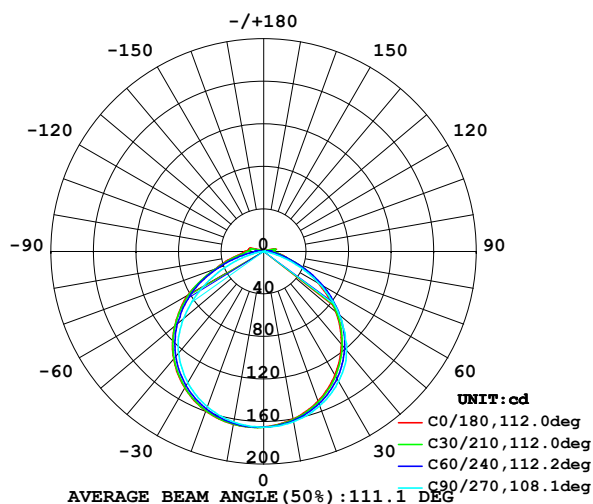


## LUMINAIRE PHOTOMETRIC TEST REPORT

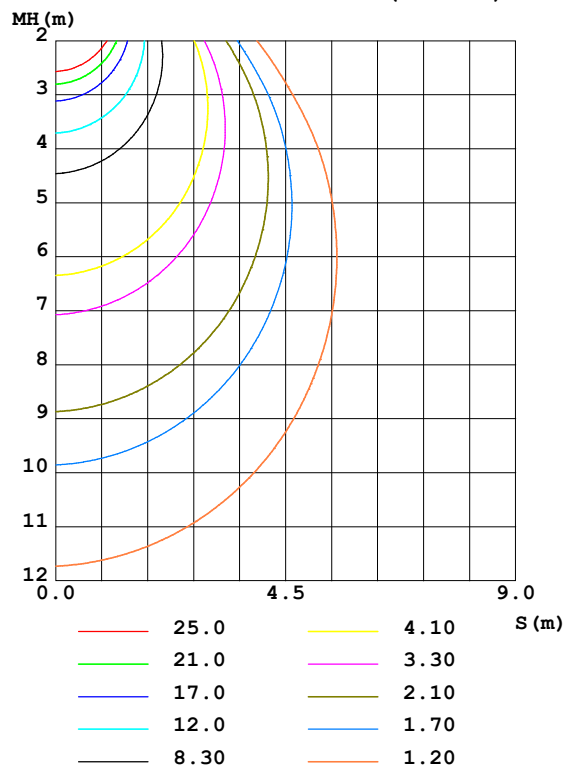
Test:U:12.00V I:0.4322A P:5.186W PF:1.000 Lamp Flux:483.614x1 lm		
NAME: LED Soft light bar	SUR.:0.1m*1m	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.25 lm/W			
MODEL	EKF4248HL9065	I <sub>max</sub> (cd)	165.8	S/MH (C0/180)	1.33
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	483.61	η UP, DN (C0-180)	1.7, 47.3
NOMINAL FLUX (lm)	483.614	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.8, 49.2
LAMPS INSIDE	1	η up (%)	3.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12	η down (%)	96.6	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: 25.4DEG  
 Operators: Congren Xie  
 Test Date: 2021-05-18

Checker: Congren Xie

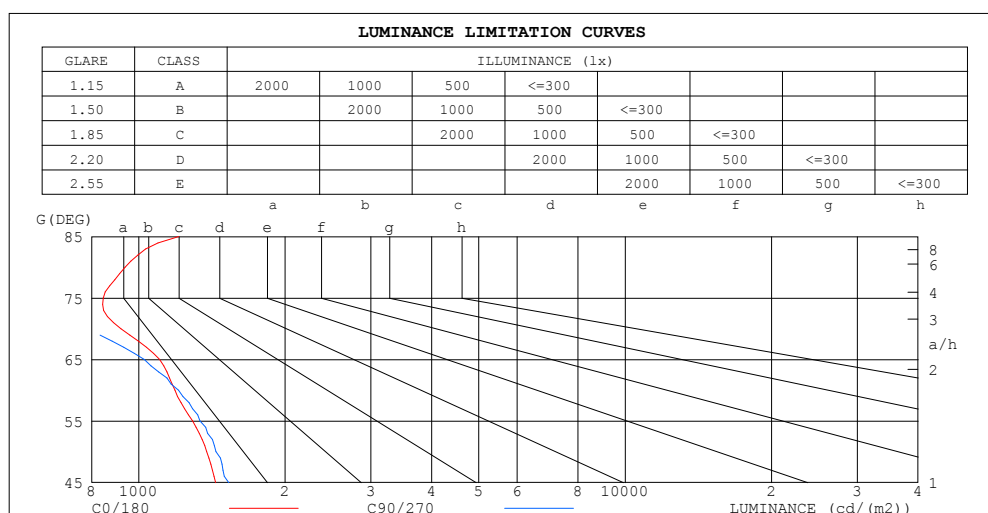
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 48.3%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

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	160.0	161.0	162.5	164.2	164.9	164.5	162.9	161.2	0- 10	15.65	15.65	3.24,3.24
20	149.7	151.4	154.5	157.7	159.5	158.4	155.3	151.9	10- 20	45.01	60.66	12.5,12.5
30	134.1	136.7	141.1	145.7	148.4	147.1	142.6	137.3	20- 30	68.63	129.3	26.7,26.7
40	113.8	116.6	121.3	128.0	131.9	130.2	124.6	117.5	30- 40	83.18	212.5	43.9,43.9
50	88.71	91.57	92.58	104.9	109.3	107.7	98.25	92.62	40- 50	86.06	298.5	61.7,61.7
60	59.32	61.83	60.38	75.99	82.55	79.58	65.20	62.83	50- 60	75.54	374.1	77.3,77.3
70	31.45	33.24	26.74	43.83	48.57	47.51	30.58	33.87	60- 70	53.22	427.3	88.4,88.4
80	16.27	14.36	3.412	20.22	26.64	22.03	5.163	14.35	70- 80	27.56	454.8	94.1,94.1
90	8.051	6.718	0.0428	11.55	18.06	12.38	0.0428	7.016	80- 90	12.12	467.0	96.6,96.6
100	11.39	9.714	0.0794	10.90	14.11	11.08	0.1243	9.111	90-100	8.742	475.7	98.4,98.4
110	4.708	1.316	0.1635	1.724	5.933	1.644	0.1651	1.481	100-110	5.154	480.9	99.4,99.4
120	1.449	0.4853	0.2766	0.4218	0.9297	0.3666	0.2568	0.4404	110-120	1.161	482.0	99.7,99.7
130	0.6242	0.4461	0.3561	0.4624	0.4290	0.3789	0.3728	0.3464	120-130	0.4110	482.4	99.8,99.8
140	0.5501	0.5072	0.4547	0.5158	0.4522	0.4624	0.4647	0.4643	130-140	0.3504	482.8	99.8,99.8
150	0.5762	0.5806	0.5717	0.5866	0.5072	0.5279	0.5769	0.5619	140-150	0.3301	483.1	99.9,99.9
160	0.5967	0.6396	0.5831	0.6099	0.5805	0.5765	0.6234	0.5854	150-160	0.2695	483.4	100,100
170	0.6600	0.6680	0.6355	0.6539	0.6355	0.5805	0.6661	0.6416	160-170	0.1750	483.6	100,100
180	0.6722	0.6722	0.6661	0.6722	0.6783	0.6783	0.6722	0.6844	170-180	0.0627	483.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.4DEG  
 Operators: Congren Xie  
 Test Date: 2021-05-18

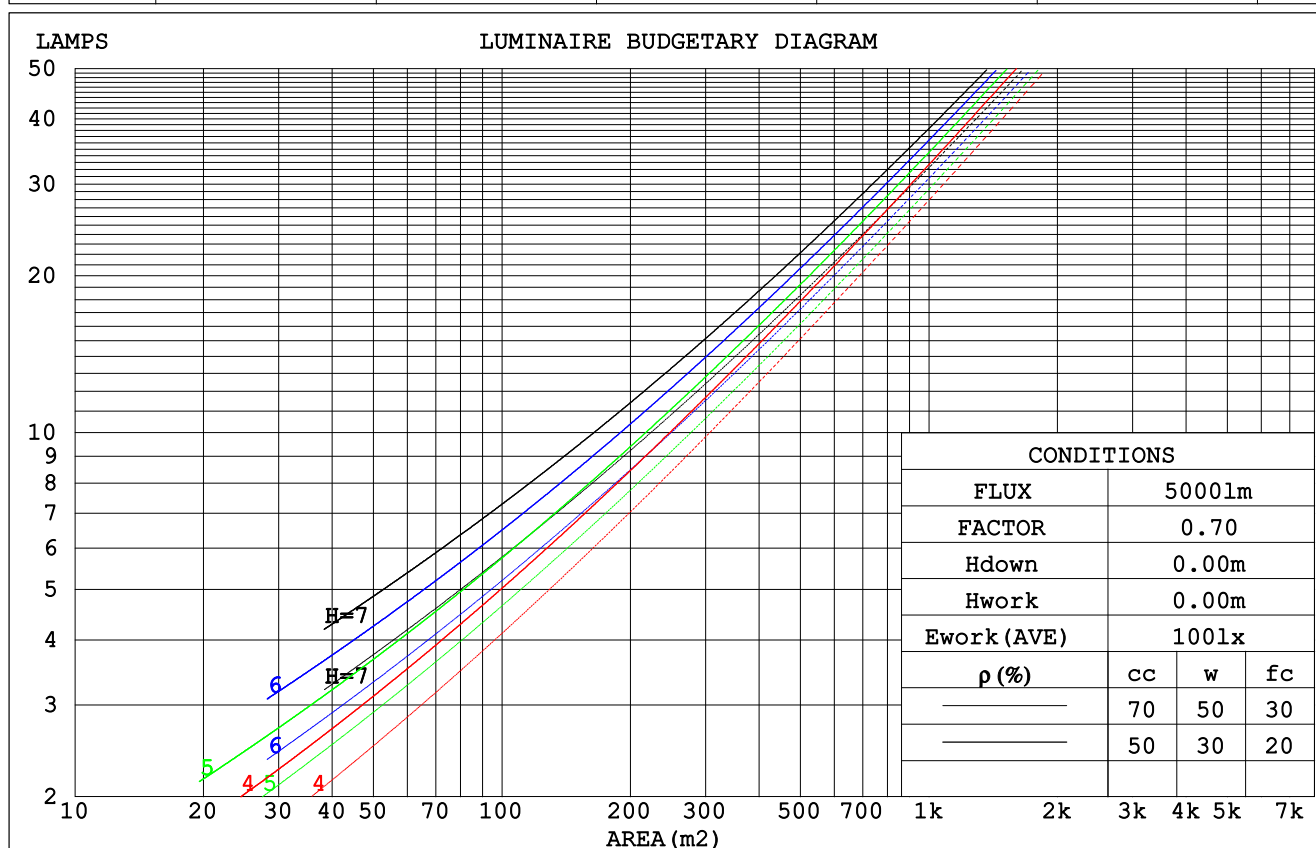
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 48.3%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Congren Xie

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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.01	.97	.93	.96	.92	.90	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.78	.88	.82	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.71	.65	.77	.70	.64	.74	.68	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.53	.63	.57	.52	.60	.55	.51	.49
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.50	.45	.54	.49	.44	.42
6.0	.56	.48	.41	.55	.47	.41	.53	.46	.40	.51	.45	.40	.49	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.36	.47	.40	.35	.45	.39	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.35	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.4DEG  
 Operators: Congren Xie  
 Test Date: 2021-05-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 48.3%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Congren Xie

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	.308	.175	.055	.300	.171	.054	.284	.163	.052	.270	.156	.050	.257	.149	.048	
2.0	.287	.157	.048	.280	.154	.047	.266	.148	.046	.254	.142	.045	.243	.137	.043	
3.0	.265	.141	.042	.259	.139	.042	.247	.134	.041	.236	.129	.040	.226	.125	.039	
4.0	.245	.127	.037	.240	.125	.037	.229	.121	.036	.219	.118	.035	.210	.114	.035	
5.0	.227	.116	.034	.222	.114	.033	.212	.111	.033	.203	.107	.032	.195	.104	.031	
6.0	.211	.106	.030	.206	.104	.030	.198	.101	.029	.190	.099	.029	.182	.096	.028	
7.0	.196	.097	.028	.192	.096	.027	.185	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.184	.090	.025	.180	.089	.025	.173	.086	.025	.166	.084	.024	.160	.082	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.080	.023	.157	.079	.022	.151	.077	.022	
10.0	.162	.078	.022	.159	.077	.021	.153	.075	.021	.148	.073	.021	.143	.072	.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	.217	.217	.217	.185	.185	.185	.126	.126	.126	.073	.073	.073	.023	.023	.023	
1.0	.207	.183	.161	.177	.157	.139	.121	.108	.096	.070	.062	.056	.022	.020	.018	
2.0	.198	.159	.125	.170	.136	.108	.116	.094	.075	.067	.055	.044	.022	.018	.014	
3.0	.190	.141	.102	.163	.122	.088	.112	.085	.062	.065	.049	.036	.021	.016	.012	
4.0	.183	.128	.086	.157	.110	.075	.108	.077	.052	.062	.045	.031	.020	.015	.010	
5.0	.175	.117	.075	.151	.102	.065	.104	.071	.046	.060	.042	.027	.019	.014	.009	
6.0	.168	.109	.067	.145	.095	.058	.100	.066	.041	.058	.039	.024	.019	.013	.008	
7.0	.162	.102	.061	.139	.089	.053	.096	.062	.037	.056	.037	.022	.018	.012	.007	
8.0	.155	.097	.056	.134	.084	.049	.092	.059	.035	.054	.035	.021	.017	.011	.007	
9.0	.149	.092	.053	.129	.080	.046	.089	.056	.033	.052	.033	.019	.017	.011	.006	
10.0	.144	.087	.050	.124	.076	.044	.086	.053	.031	.050	.032	.018	.016	.010	.006	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.4DEG  
 Operators:Congren Xie  
 Test Date:2021-05-18

Checker: Congren Xie

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:48.3%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

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	13.1	14.6	13.5	14.9	15.1	13.4	14.9	13.7	15.1	15.4
3H	14.3	15.6	14.6	15.9	16.2	14.5	15.8	14.8	16.1	16.4
4H	14.7	15.9	15.0	16.2	16.6	14.7	16.0	15.1	16.3	16.6
6H	15.1	16.3	15.5	16.6	17.0	14.7	15.9	15.1	16.3	16.6
8H	15.3	16.4	15.7	16.8	17.1	14.7	15.8	15.1	16.2	16.5
12H	15.5	16.6	15.9	17.0	17.3	14.6	15.7	15.0	16.1	16.5
4H 2H	13.6	14.9	14.0	15.2	15.6	13.8	15.1	14.2	15.4	15.8
3H	14.9	16.0	15.3	16.4	16.8	15.1	16.2	15.5	16.5	16.9
4H	15.4	16.5	15.9	16.8	17.2	15.4	16.5	15.9	16.8	17.2
6H	16.0	16.9	16.5	17.3	17.8	15.6	16.5	16.1	16.9	17.4
8H	16.3	17.1	16.8	17.6	18.0	15.6	16.4	16.1	16.9	17.3
12H	16.6	17.4	17.1	17.8	18.3	15.6	16.4	16.1	16.8	17.3
8H 4H	15.6	16.5	16.1	16.9	17.3	15.6	16.4	16.1	16.9	17.3
6H	16.4	17.1	16.9	17.5	18.0	15.9	16.6	16.4	17.1	17.6
8H	16.8	17.4	17.3	17.9	18.4	16.0	16.6	16.5	17.1	17.7
12H	17.2	17.8	17.8	18.3	18.8	16.1	16.6	16.6	17.1	17.7
12H 4H	15.6	16.4	16.1	16.8	17.3	15.6	16.4	16.1	16.8	17.3
6H	16.4	17.0	16.9	17.5	18.0	16.0	16.6	16.5	17.1	17.6
8H	16.9	17.4	17.4	17.9	18.5	16.2	16.7	16.7	17.2	17.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.6				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.6				

CIE Pub.117 Corrected 483.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.5)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.4DEG  
 Operators: Congren Xie  
 Test Date: 2021-05-18

Checker: Congren Xie

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 48.3%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	32
0.80	67	55	48	66	55	48	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	69	63	56
1.50	87	77	70	85	76	70	82	74	68	61
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	93	90	80
5.00	108	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

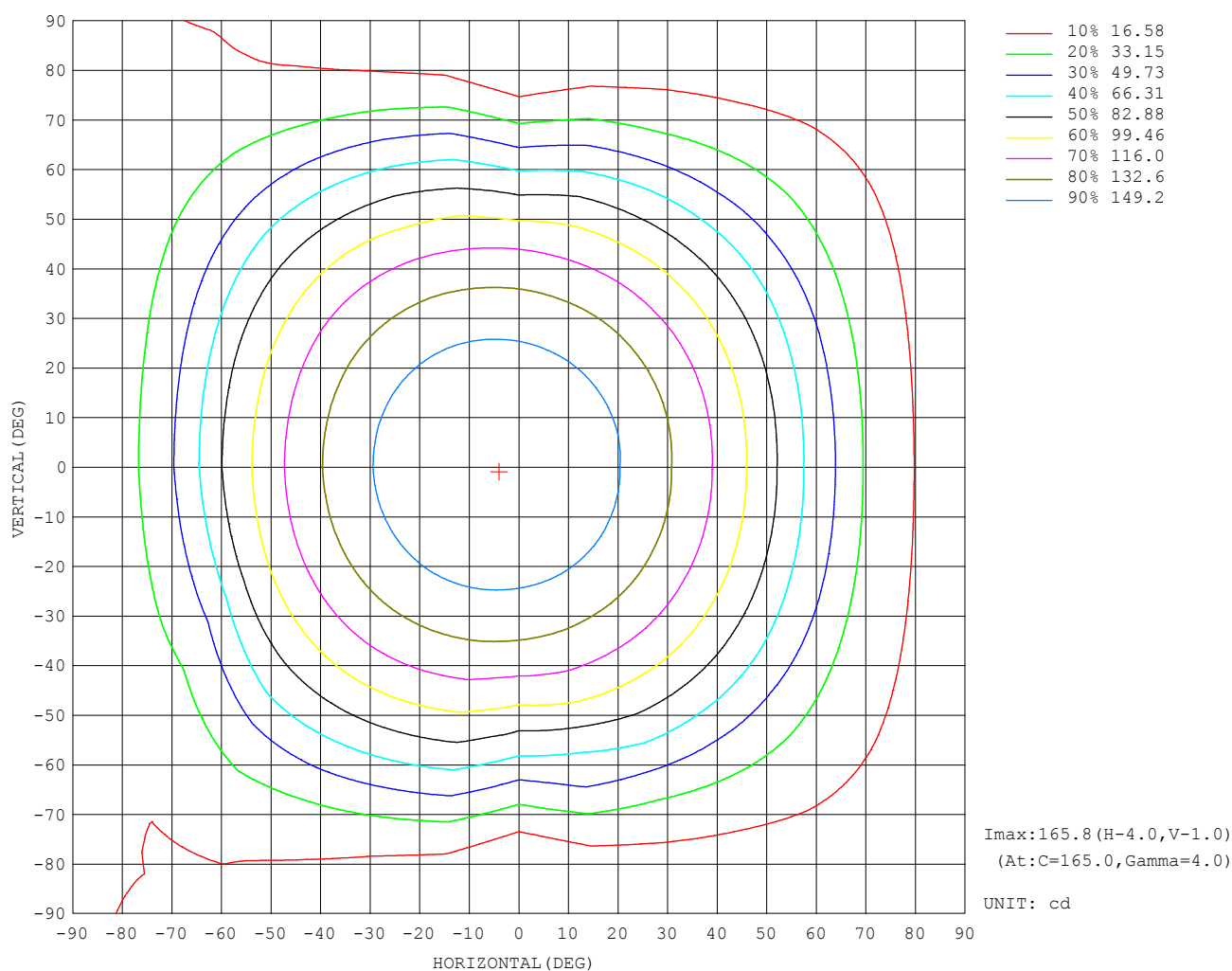
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.4DEG  
 Operators: Congren Xie  
 Test Date: 2021-05-18

Checker: Congren Xie

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 48.3%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zhou

## ISOCANDELA DIAGRAM



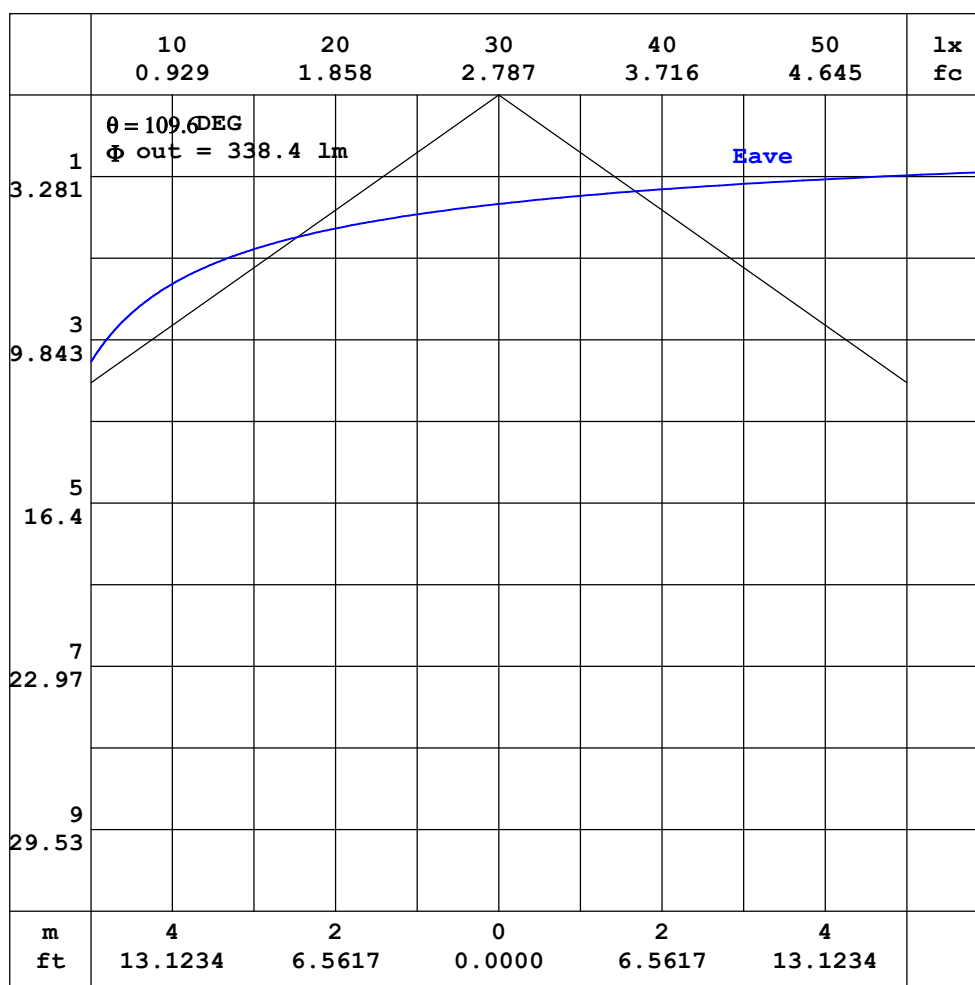
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.4DEG  
Operators: Congren Xie  
Test Date: 2021-05-18

Checker: Congren Xie

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 48.3%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zhou

## AAI CURVES



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: 25.4DEG  
 Operators: Congren Xie  
 Test Date: 2021-05-18

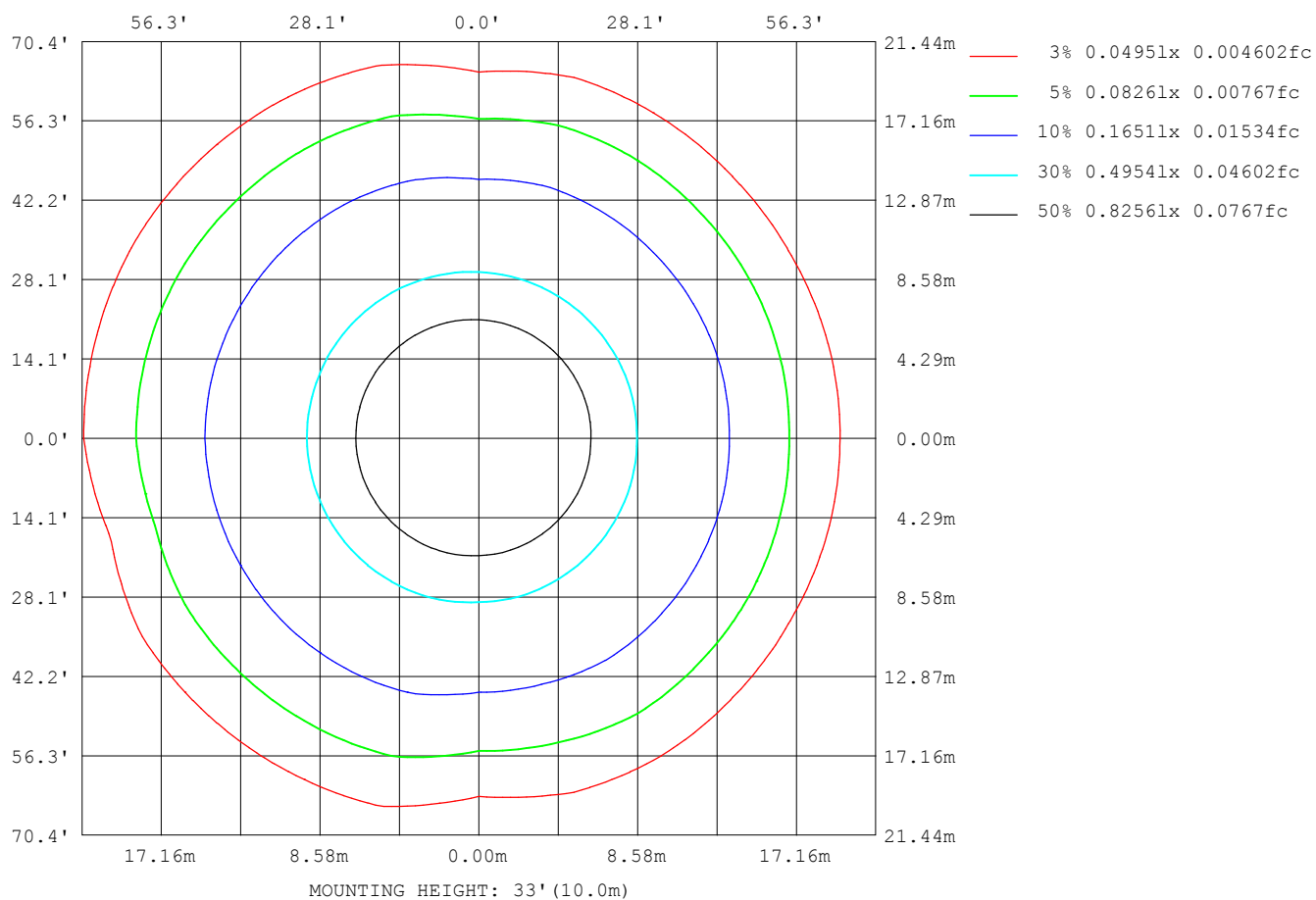
Checker: Congren Xie

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 48.3%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zhou



## ISOLUX DIAGRAM



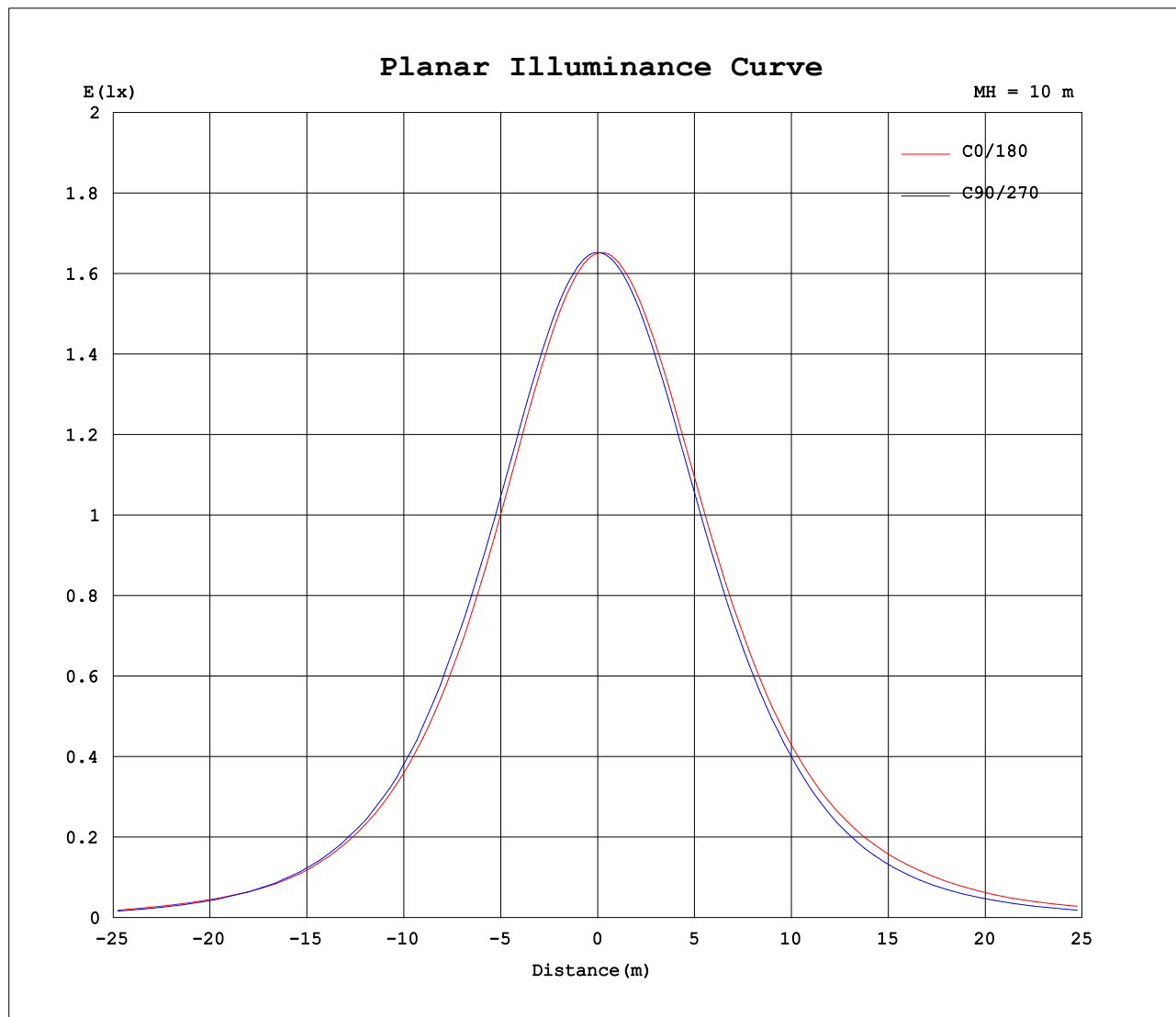
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.4DEG  
Operators: Congren Xie  
Test Date: 2021-05-18

Checker: Congren Xie

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 48.3%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zhou

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.4DEG  
Operators: Congren Xie  
Test Date: 2021-05-18

Checker: Congren Xie

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 48.3%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

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	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
5	163	163	163	164	164	164	165	165	165	165	166	166	166	166	166	166	165	165	165
10	160	160	160	161	161	162	163	163	164	164	165	165	165	165	165	165	164	163	163
15	156	156	156	157	158	158	159	160	161	162	162	163	163	163	163	162	161	161	160
20	150	150	151	151	152	153	154	156	157	158	159	159	160	159	159	158	158	156	155
25	143	143	144	145	146	147	148	150	151	152	153	154	155	155	154	153	152	151	150
30	134	135	135	137	138	140	141	143	144	146	147	148	148	148	148	147	146	144	143
35	124	125	126	127	129	131	132	134	136	137	139	140	141	141	140	139	138	136	134
40	114	114	115	117	118	121	121	125	126	128	129	131	132	132	131	130	129	127	125
45	102	102	103	105	107	109	108	113	115	117	119	120	121	121	121	120	118	116	113
50	88.7	89.1	89.8	91.6	93.4	94.0	92.6	101	103	105	106	108	109	109	109	108	106	104	98.3
55	74.0	74.8	75.8	77.1	79.3	77.4	76.6	87.0	89.0	91.1	92.8	94.6	96.5	96.3	95.5	94.3	92.7	89.9	82.3
60	59.3	59.6	60.6	61.8	64.1	61.8	60.4	72.2	74.1	76.0	78.2	77.7	82.5	82.4	81.4	79.6	78.1	75.2	65.2
65	46.7	46.9	46.3	46.7	48.2	50.5	43.4	56.4	58.1	60.1	62.0	56.5	64.5	64.9	65.3	64.0	62.4	59.4	47.5
70	31.4	32.3	33.7	33.2	32.9	34.8	26.7	39.9	41.9	43.8	44.9	40.8	48.6	48.7	48.4	47.5	46.0	43.1	30.6
75	21.9	21.8	21.6	22.2	20.9	20.7	12.8	24.7	27.3	29.3	32.5	30.3	37.1	36.8	35.3	32.8	30.8	27.4	15.6
80	16.3	16.4	15.8	14.4	12.8	10.9	3.41	13.4	16.5	20.2	23.0	21.2	26.6	26.3	24.7	22.0	18.6	15.2	5.16
85	10.5	10.6	10.2	9.47	7.57	5.24	0.17	6.26	9.84	13.4	16.6	16.6	20.3	20.0	18.2	14.9	11.1	7.44	0.16
90	8.05	8.04	7.71	6.72	5.05	2.42	0.04	2.77	7.36	11.6	14.8	15.5	18.1	17.5	15.7	12.4	8.06	3.62	0.04
95	9.48	9.61	9.55	8.87	7.01	1.57	0.07	1.69	7.42	11.0	13.3	13.7	14.9	14.7	13.4	11.2	7.96	2.19	0.06
100	11.4	11.6	11.4	9.71	3.39	0.43	0.08	0.24	3.65	10.9	13.1	13.3	14.1	14.0	13.1	11.1	4.03	0.46	0.12
105	9.65	9.18	6.85	3.46	1.03	0.37	0.08	0.26	1.00	4.18	9.14	11.6	12.8	12.1	9.25	4.15	1.05	0.26	0.13
110	4.71	4.33	2.84	1.32	0.50	0.31	0.16	0.29	0.35	1.72	3.74	5.18	5.93	5.15	3.63	1.64	0.44	0.26	0.17
115	2.36	2.10	1.36	0.58	0.34	0.26	0.19	0.33	0.34	0.49	1.61	2.68	3.09	2.71	1.50	0.36	0.35	0.28	0.21
120	1.45	1.23	0.84	0.49	0.34	0.32	0.28	0.37	0.35	0.42	0.45	0.66	0.93	0.65	0.39	0.37	0.38	0.30	0.26
125	0.87	0.76	0.51	0.43	0.37	0.37	0.31	0.39	0.36	0.45	0.45	0.47	0.42	0.42	0.41	0.37	0.41	0.32	0.32
130	0.62	0.53	0.50	0.45	0.37	0.42	0.36	0.44	0.42	0.46	0.46	0.48	0.43	0.42	0.43	0.38	0.45	0.36	0.37
135	0.53	0.53	0.50	0.47	0.44	0.45	0.40	0.48	0.48	0.49	0.47	0.49	0.44	0.42	0.45	0.45	0.47	0.38	0.42
140	0.55	0.54	0.51	0.51	0.50	0.50	0.45	0.51	0.51	0.52	0.48	0.50	0.45	0.42	0.49	0.46	0.49	0.46	0.46
145	0.56	0.57	0.53	0.54	0.55	0.57	0.55	0.54	0.54	0.54	0.50	0.53	0.48	0.47	0.52	0.47	0.53	0.47	0.54
150	0.58	0.59	0.59	0.58	0.56	0.60	0.57	0.57	0.58	0.59	0.56	0.57	0.51	0.49	0.54	0.53	0.56	0.57	0.58
155	0.59	0.61	0.59	0.62	0.58	0.62	0.58	0.59	0.57	0.59	0.56	0.59	0.54	0.51	0.56	0.57	0.58	0.58	0.60
160	0.60	0.63	0.59	0.64	0.58	0.63	0.58	0.62	0.58	0.61	0.57	0.61	0.58	0.57	0.58	0.58	0.60	0.58	0.62
165	0.64	0.65	0.62	0.65	0.60	0.66	0.59	0.64	0.58	0.63	0.58	0.64	0.61	0.58	0.60	0.58	0.63	0.59	0.64
170	0.66	0.67	0.66	0.67	0.66	0.66	0.64	0.66	0.61	0.65	0.59	0.66	0.64	0.58	0.63	0.58	0.66	0.60	0.67
175	0.67	0.67	0.67	0.68	0.67	0.67	0.67	0.68	0.65	0.67	0.65	0.68	0.67	0.63	0.67	0.65	0.67	0.66	0.67
180	0.67	0.68	0.67	0.67	0.68	0.67	0.67	0.68	0.67	0.67	0.68	0.68	0.68	0.67	0.68	0.68	0.68	0.68	0.67

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.4DEG  
Operators:Congren Xie  
Test Date:2021-05-18

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:48.3%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Congren Xie

Assessor: Chunbo Zhou

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	165	165	165	165	165													
5	164	164	164	164	164													
10	162	162	161	161	160													
15	159	158	157	157	156													
20	154	153	152	151	150													
25	148	147	145	144	143													
30	141	139	137	136	135													
35	132	130	128	127	125													
40	122	120	117	116	115													
45	111	108	106	104	103													
50	98.1	95.3	92.6	90.9	89.8													
55	84.1	81.0	78.2	76.7	75.4													
60	67.6	65.6	62.8	61.2	60.0													
65	51.7	49.6	47.3	46.8	47.2													
70	35.4	34.1	33.9	34.2	32.8													
75	22.0	21.8	22.5	21.9	22.2													
80	11.2	13.2	14.3	15.6	16.3													
85	5.49	7.65	9.13	9.99	10.4													
90	2.76	5.63	7.02	7.71	7.99													
95	1.55	7.09	9.05	9.44	9.42													
100	0.34	3.20	9.11	11.0	11.3													
105	0.27	0.94	3.47	6.55	8.93													
110	0.27	0.35	1.48	2.89	4.27													
115	0.24	0.27	0.66	1.40	2.10													
120	0.24	0.28	0.44	0.75	1.24													
125	0.29	0.32	0.33	0.55	0.79													
130	0.35	0.38	0.35	0.42	0.49													
135	0.37	0.43	0.37	0.44	0.46													
140	0.45	0.47	0.46	0.48	0.49													
145	0.57	0.53	0.51	0.52	0.52													
150	0.57	0.61	0.56	0.56	0.58													
155	0.57	0.62	0.58	0.58	0.59													
160	0.58	0.63	0.59	0.63	0.59													
165	0.60	0.65	0.61	0.65	0.64													
170	0.64	0.66	0.64	0.67	0.66													
175	0.66	0.67	0.67	0.67	0.66													
180	0.67	0.68	0.68	0.67	0.67													

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.4DEG  
 Operators:Congren Xie  
 Test Date:2021-05-18

Checker: Congren Xie

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:48.3%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zhou