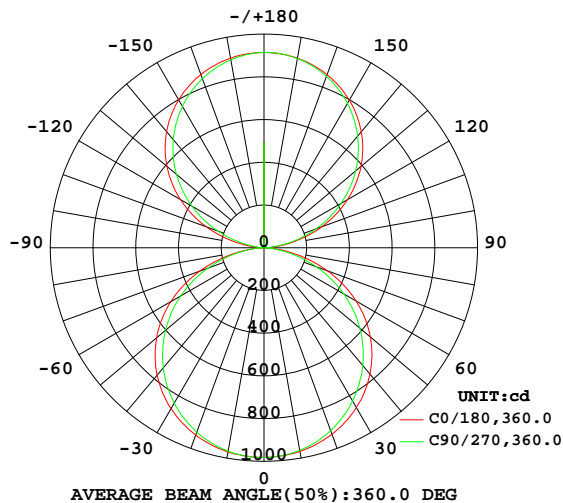


## LUMINAIRE PHOTOMETRIC TEST REPORT

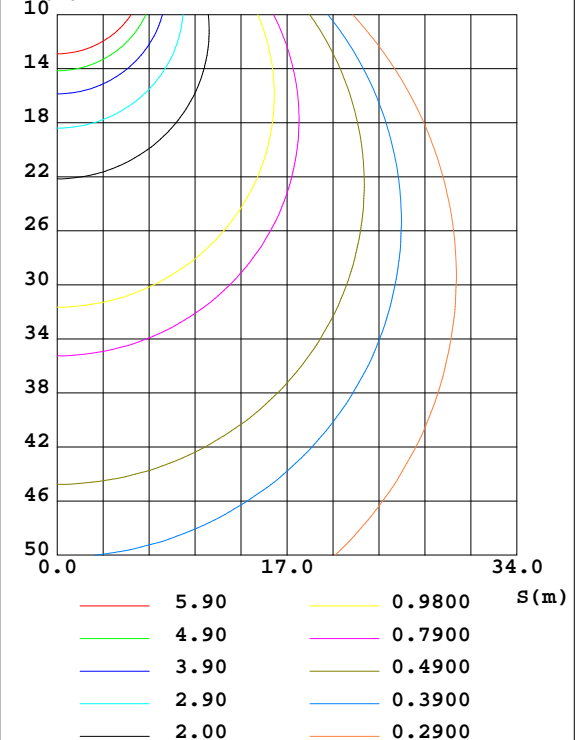
Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	MEASUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.57 lm/W			
MODEL	4FT404550W27-3545K-W	I <sub>max</sub> (cd)	983.3	S/MH(C0/180)	1.32
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	5619.9	η UP,DN(C0-180)	24.3,25.8
NOMINAL FLUX(lm)	5619.9	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	23.5,26.4
LAMPS INSIDE	1	η up(%)	47.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	52.2	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: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	968.2	965.3	963.4	966.5	970.8	969.4	967.1	968.4	0- 10	93.03	93.03	1.66,1.66
20	930.1	920.5	911.9	920.9	933.6	927.3	919.4	925.1	10- 20	268.0	361.0	6.42,6.42
30	864.2	846.6	829.1	846.6	870.0	857.4	840.4	853.4	20- 30	410.7	771.7	13.7,13.7
40	771.7	745.0	719.4	743.6	779.3	758.3	733.1	752.8	30- 40	503.1	1275	22.7,22.7
50	650.4	617.0	585.8	613.6	656.0	631.4	601.9	626.0	40- 50	531.9	1807	32.1,32.1
60	497.7	463.6	431.2	457.2	503.0	478.5	449.2	472.4	50- 60	490.2	2297	40.9,40.9
70	316.2	288.6	260.5	279.1	319.7	303.7	280.2	296.7	60- 70	378.5	2675	47.6,47.6
80	122.9	109.1	92.86	98.34	123.5	120.6	108.8	114.5	70- 80	211.9	2887	51.4,51.4
90	1.613	1.799	1.108	1.482	1.349	3.345	3.245	2.900	80- 90	48.17	2935	52.2,52.2
100	116.1	109.1	97.62	108.8	112.4	86.00	71.75	92.81	90-100	40.89	2976	53,53
110	288.1	274.4	259.4	273.9	287.5	248.5	230.2	254.7	100-110	190.5	3167	56.4,56.4
120	451.6	434.9	417.4	434.5	451.6	410.6	389.2	415.6	110-120	342.3	3509	62.4,62.4
130	593.0	576.8	559.9	576.3	593.3	555.4	534.9	559.0	120-130	446.0	3955	70.4,70.4
140	708.8	696.3	682.0	695.5	709.5	678.4	660.8	680.9	130-140	487.0	4442	79,79
150	798.5	791.3	781.1	790.2	799.5	777.2	764.0	778.7	140-150	462.9	4905	87.3,87.3
160	862.8	860.1	855.2	858.7	863.2	850.4	842.6	850.9	150-160	379.6	5285	94,94
170	901.5	902.3	899.6	901.4	901.2	897.0	893.6	896.8	160-170	248.7	5533	98.5,98.5
180	914.5	914.5	914.4	914.4	914.5	914.5	914.4	914.4	170-180	86.57	5620	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1541.4 lm

%lum = 27.4%

%lamp = 27.4%

Conical surface Flux(120deg): 2296.8 lm

%lum = 40.9%

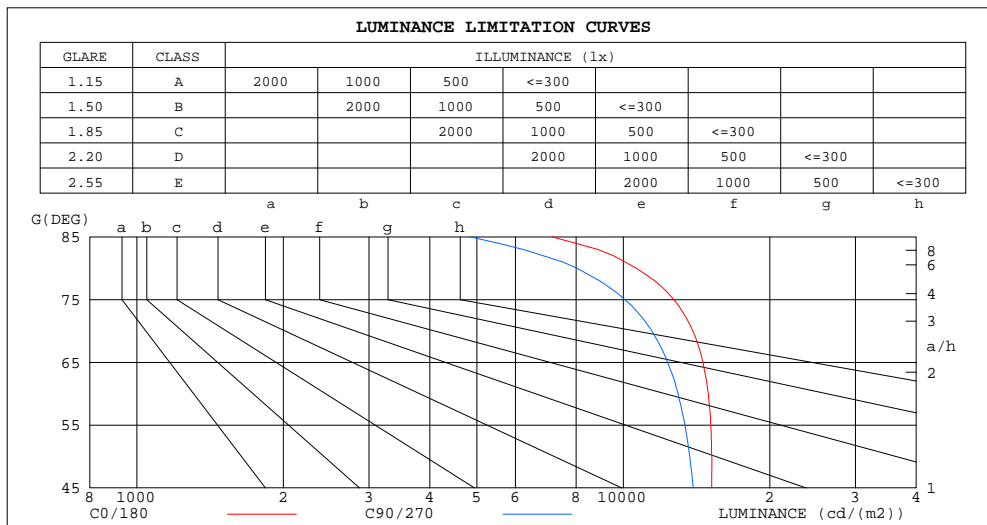
%lamp = 40.9%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7133	4834
80	10634	8036
75	12698	10071
70	13894	11445
65	14576	12332
60	14956	12959
55	15119	13385
50	15204	13694
45	15199	13928

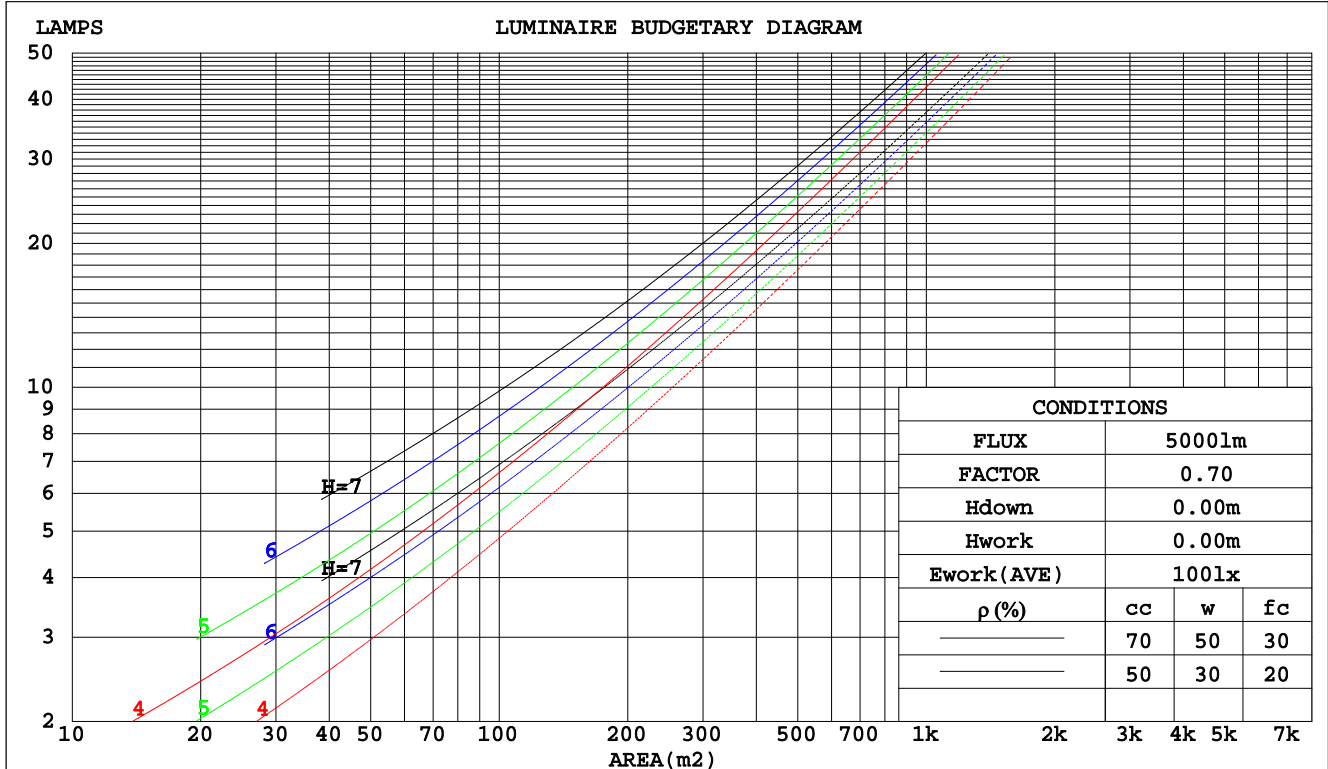
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

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	1.08	1.08	1.08	.00	.00	.00	.85	.85	.85	.71	.71	.71	.58	.58	.58	.52
1.0	.94	.90	.86	.87	.83	.80	.74	.71	.69	.62	.60	.59	.51	.50	.49	.44
2.0	.82	.75	.70	.76	.70	.65	.64	.60	.57	.54	.51	.49	.45	.43	.41	.36
3.0	.71	.64	.58	.66	.60	.54	.57	.52	.47	.48	.44	.41	.39	.37	.34	.30
4.0	.63	.55	.49	.59	.51	.46	.50	.45	.40	.42	.38	.35	.35	.32	.29	.26
5.0	.56	.48	.42	.52	.45	.39	.45	.39	.34	.38	.33	.30	.31	.28	.25	.22
6.0	.50	.42	.36	.47	.39	.34	.40	.34	.30	.34	.30	.26	.28	.25	.22	.19
7.0	.45	.37	.31	.42	.35	.30	.36	.31	.26	.31	.26	.23	.26	.22	.20	.17
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.28	.24	.20	.24	.20	.17	.15
9.0	.37	.30	.25	.35	.28	.23	.30	.25	.21	.26	.21	.18	.22	.18	.16	.14
10.0	.34	.27	.22	.32	.25	.21	.28	.22	.19	.24	.20	.16	.20	.17	.14	.12



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## WEC AND CCEC

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm									
NAME:				TYPE:LED				WEIGHT:	
SPEC.:				DIM.:				SERIAL No.:	
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED				SUR.:				Shielding Angle:	

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	.285	.162	.051	.264	.150	.048	.224	.128	.041	.187	.108	.035	.153	.089	.029	
2.0	.266	.146	.045	.247	.136	.042	.210	.117	.036	.177	.099	.031	.146	.082	.026	
3.0	.247	.131	.039	.229	.123	.037	.195	.106	.032	.164	.090	.028	.136	.075	.023	
4.0	.228	.118	.035	.212	.111	.033	.181	.096	.029	.152	.082	.025	.126	.068	.021	
5.0	.211	.108	.031	.196	.101	.029	.168	.087	.026	.142	.075	.022	.117	.063	.019	
6.0	.196	.098	.028	.182	.092	.027	.156	.080	.023	.132	.069	.020	.109	.057	.017	
7.0	.183	.090	.026	.170	.085	.024	.146	.074	.021	.123	.063	.018	.102	.053	.016	
8.0	.171	.084	.023	.159	.078	.022	.137	.068	.020	.116	.059	.017	.096	.049	.014	
9.0	.160	.078	.022	.149	.073	.020	.129	.064	.018	.109	.055	.016	.090	.046	.013	
10.0	.151	.072	.020	.141	.068	.019	.121	.059	.017	.103	.051	.014	.085	.043	.012	

pcc	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	.554	.554	.554	.474	.474	.474	.323	.323	.323	.186	.186	.186	.059	.059	.059		
1.0	.546	.523	.503	.467	.449	.433	.319	.309	.300	.184	.179	.174	.059	.058	.056		
2.0	.538	.501	.470	.461	.432	.407	.316	.299	.284	.182	.174	.166	.058	.056	.054		
3.0	.531	.486	.449	.456	.419	.389	.313	.291	.273	.181	.170	.161	.058	.055	.053		
4.0	.525	.474	.434	.450	.409	.377	.310	.285	.266	.179	.167	.157	.058	.054	.052		
5.0	.518	.464	.424	.445	.402	.369	.306	.281	.261	.178	.165	.155	.057	.054	.051		
6.0	.512	.457	.417	.440	.396	.363	.303	.277	.257	.176	.163	.153	.057	.053	.050		
7.0	.506	.450	.412	.435	.390	.359	.301	.274	.254	.175	.161	.151	.056	.053	.050		
8.0	.500	.445	.408	.430	.386	.355	.298	.271	.252	.173	.160	.150	.056	.052	.050		
9.0	.495	.441	.405	.426	.383	.353	.295	.269	.251	.172	.159	.149	.056	.052	.050		
10.0	.490	.437	.402	.422	.380	.351	.293	.267	.249	.171	.158	.149	.055	.052	.049		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm												
NAME:					TYPE:LED			WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:				
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED					SUR.:			Shielding Angle:				
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	3H	20.9	21.8	21.8	22.7	23.8	20.1	21.0	21.0	21.9	23.0	
	4H	21.5	22.3	22.4	23.2	24.3	20.6	21.4	21.5	22.3	23.4	
	6H	21.9	22.6	22.7	23.5	24.6	20.8	21.6	21.7	22.5	23.6	
	8H	21.9	22.6	22.8	23.5	24.7	20.9	21.6	21.8	22.5	23.6	
	12H	21.9	22.6	22.8	23.5	24.7	20.8	21.5	21.7	22.4	23.6	
	4H	2H	19.8	20.6	20.7	21.5	22.6	19.3	20.1	20.2	21.0	22.1
		3H	21.5	22.2	22.4	23.1	24.2	20.8	21.5	21.7	22.4	23.6
		4H	22.2	22.8	23.1	23.7	24.9	21.4	22.0	22.3	22.9	24.1
		6H	22.6	23.1	23.6	24.1	25.3	21.7	22.2	22.6	23.2	24.4
		8H	22.7	23.2	23.7	24.2	25.4	21.7	22.2	22.7	23.2	24.4
		12H	22.7	23.2	23.7	24.2	25.4	21.7	22.2	22.7	23.1	24.4
	8H	4H	22.2	22.7	23.2	23.7	24.9	21.5	22.0	22.5	23.0	24.2
		6H	22.8	23.2	23.8	24.2	25.5	22.0	22.4	22.9	23.3	24.6
		8H	23.0	23.3	24.0	24.3	25.6	22.1	22.4	23.1	23.4	24.7
		12H	23.0	23.3	24.0	24.3	25.6	22.1	22.4	23.1	23.4	24.7
	12H	4H	22.2	22.6	23.2	23.6	24.9	21.5	21.9	22.5	22.9	24.2
		6H	22.8	23.1	23.8	24.1	25.4	22.0	22.3	23.0	23.3	24.6
		8H	23.0	23.3	24.0	24.3	25.6	22.1	22.4	23.1	23.4	24.7
	Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2						
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3						
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3						

CIE Pub.117, 5620 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.0$ )  
Area: 0.06655 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

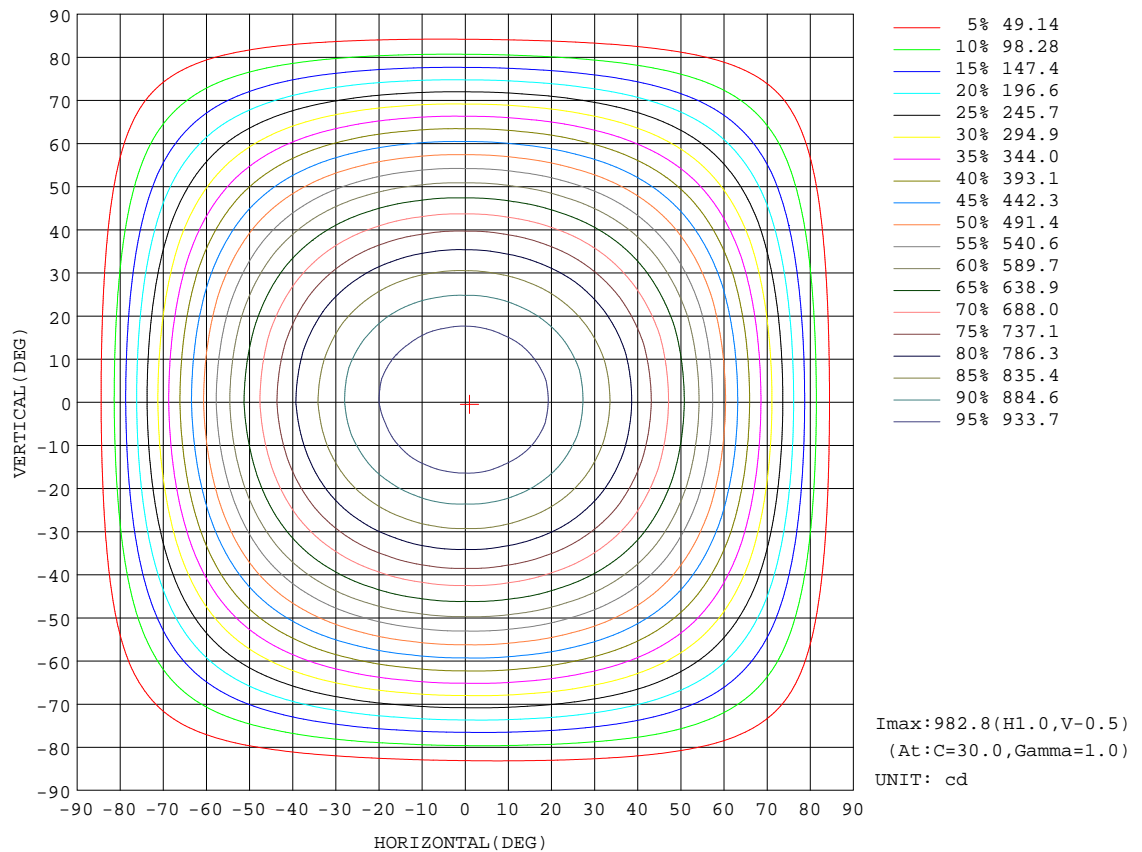
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	27	42	32	26	37	29	24	16
0.80	54	42	35	50	40	33	45	36	31	21
1.00	61	50	43	58	47	41	51	44	37	25
1.25	68	57	50	64	54	48	56	48	43	29
1.50	74	63	56	69	59	53	60	53	48	32
2.00	81	72	64	75	67	61	65	59	54	36
2.50	85	77	70	79	72	66	68	63	58	38
3.00	89	81	75	82	76	71	71	66	62	41
4.00	93	87	82	86	81	77	74	70	67	43
5.00	96	91	86	89	84	80	76	73	70	45
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: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

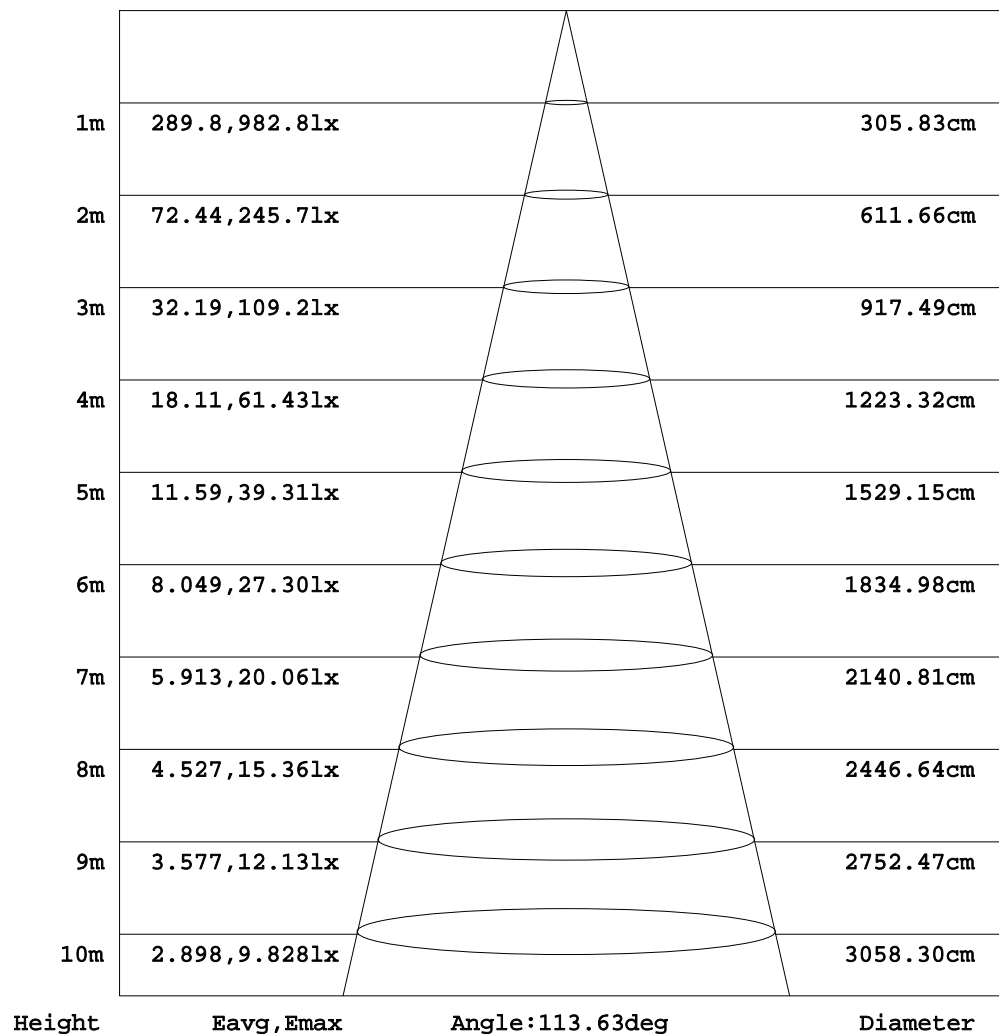
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:



## AAI Figure

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Flux out:2158 lm



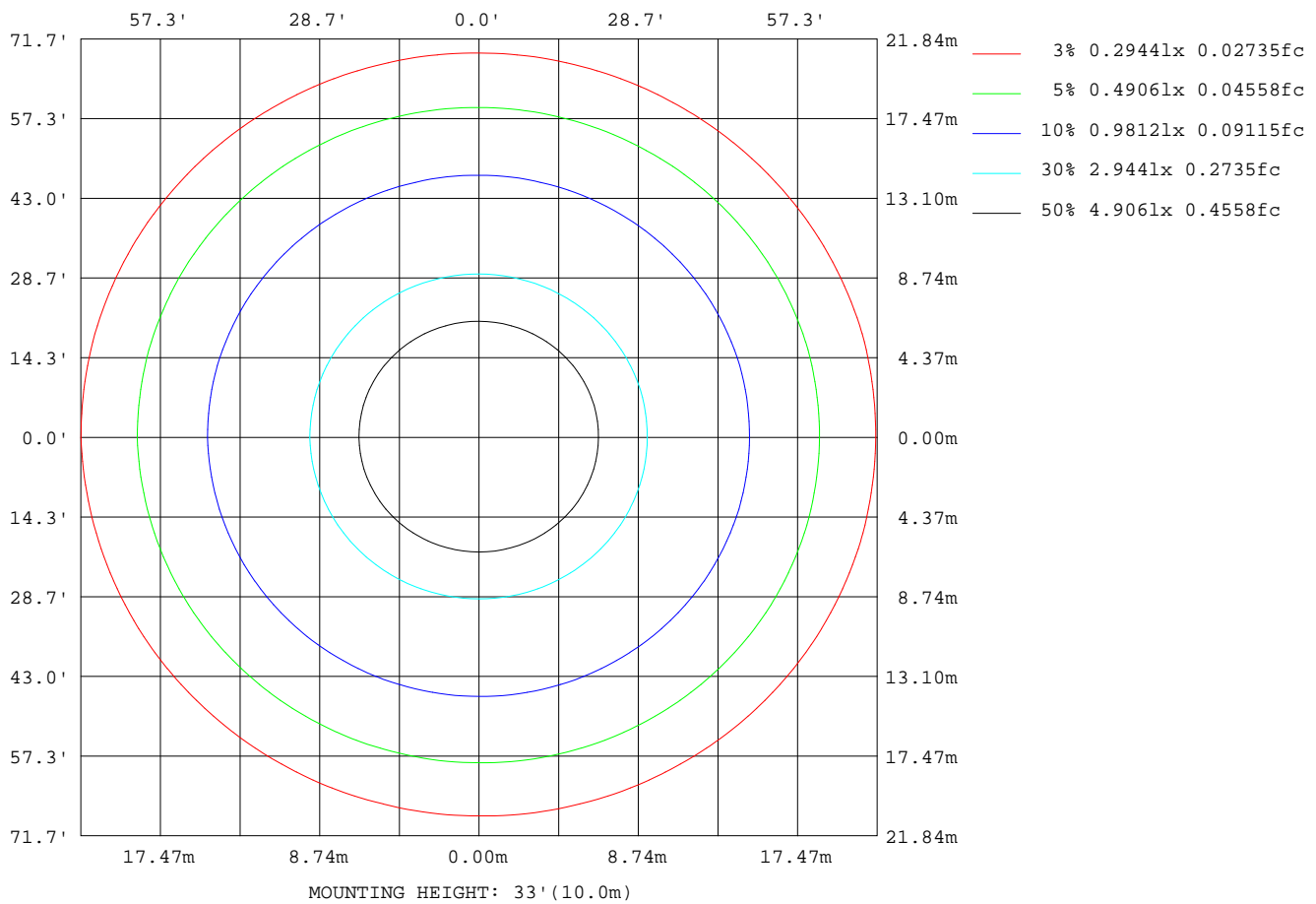
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## LED Avg.L Report

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

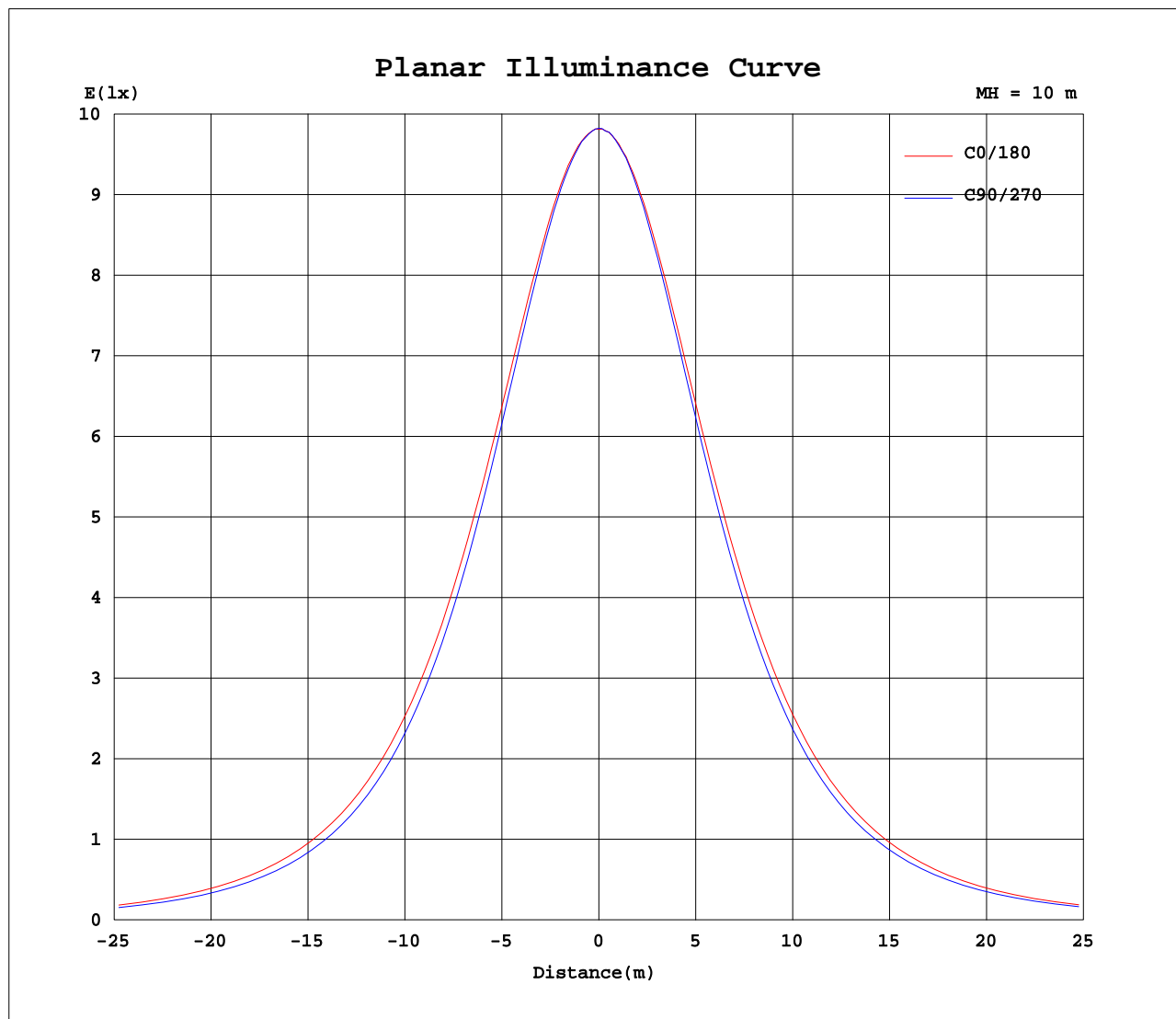
AvgL	cd/m2
L_0~180(65)av	14656
L_0~180(75)av	12757
L_0~180(85)av	7110
L_90~270(65)av	12683
L_90~270(75)av	10611
L_90~270(85)av	5778
L_45(65)av	13590
L_45(75)av	11582
L_45(85)av	6411

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

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	981	982	981	981	980	981	982	982	981	981	981	982	981	982	981	981	980	981	982
5	978	978	978	977	977	977	977	977	978	977	977	977	979	980	980	980	979	979	978
10	968	968	967	965	965	963	963	964	965	967	967	969	971	971	970	969	968	968	967
15	952	951	949	946	944	942	942	942	944	946	950	953	955	955	955	953	950	947	947
20	930	928	925	920	915	913	912	913	915	921	927	930	934	934	931	927	924	920	919
25	900	898	893	887	881	876	874	876	880	887	895	901	905	904	902	896	891	885	883
30	864	861	856	847	837	832	829	831	837	847	856	864	870	869	865	857	849	842	840
35	822	818	810	799	788	780	777	781	787	798	811	820	828	827	821	811	801	793	790
40	772	769	758	745	732	723	719	723	731	744	758	770	779	776	769	758	746	737	733
45	715	710	700	684	669	660	655	658	668	682	698	711	721	720	711	698	685	675	670
50	650	646	633	617	601	591	586	588	599	614	631	645	656	655	645	631	617	607	602
55	577	573	560	543	527	516	511	513	523	539	556	571	583	581	572	558	544	533	529
60	498	493	480	464	447	436	431	433	442	457	475	490	503	502	492	479	464	454	449
65	410	406	394	378	363	353	347	348	357	370	387	402	414	414	405	393	381	371	367
70	316	313	302	289	275	266	261	261	268	279	293	307	320	320	314	304	292	284	280
75	219	216	208	197	186	178	173	174	178	186	197	209	221	223	218	210	202	196	192
80	123	121	116	109	102	95.7	92.9	91.8	94.4	98.3	106	113	123	126	125	121	116	111	109
85	41.4	41.1	39.4	36.5	33.0	30.1	28.0	26.8	26.9	28.2	30.9	34.5	41.1	43.9	45.0	44.4	42.6	40.6	39.0
90	1.61	2.10	1.93	1.80	1.45	1.27	1.11	1.19	1.38	1.48	1.49	1.31	1.35	2.33	2.84	3.34	3.53	3.47	3.24
95	41.2	44.5	42.5	37.2	35.9	32.3	31.6	32.7	33.2	37.2	40.4	37.9	37.1	32.7	26.8	19.4	15.4	14.1	14.2
100	116	118	115	109	103	99.3	97.6	99.4	104	109	113	114	112	102	94.0	86.0	77.8	72.7	71.8
105	202	202	197	190	183	179	177	179	184	190	196	200	199	188	177	165	156	150	149
110	288	289	283	274	267	261	259	262	267	274	281	287	288	274	261	249	238	231	230
115	372	373	366	356	348	342	340	342	348	356	364	370	372	359	345	331	319	313	311
120	452	452	444	435	426	420	417	420	426	434	443	450	452	439	425	411	399	391	389
125	526	526	518	508	500	494	491	493	499	508	517	524	525	513	500	486	473	466	464
130	593	593	586	577	569	562	560	563	568	576	585	592	593	582	569	555	544	537	535
135	654	655	648	639	631	626	624	626	631	639	647	653	655	645	633	620	609	602	600
140	709	709	703	696	689	684	682	684	689	696	703	708	709	700	690	678	669	662	661
145	757	758	753	747	741	736	735	736	740	746	752	757	758	750	741	731	723	717	715
150	799	800	796	791	786	783	781	782	785	790	795	799	799	793	785	777	770	766	764
155	834	836	833	828	825	823	821	822	824	827	832	834	835	829	824	817	811	808	807
160	863	865	863	860	857	856	855	855	857	859	862	864	863	859	855	850	846	843	843
165	885	887	886	885	882	881	881	881	882	884	885	886	885	883	881	877	874	873	872
170	901	903	903	902	901	900	900	900	901	901	902	902	901	900	898	897	895	894	894
175	911	913	913	913	912	912	911	912	912	912	912	912	911	911	911	910	909	908	908
180	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: MEDIUM

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 24 June 2023

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416

Humidity: 45.1%

Test Distance: 2.500m [K=4.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.3598A P:43.040W PF:0.9968 Freq:60.00Hz Lamp Flux:5619.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	982	981	981	981	982													
5	978	978	979	979	979													
10	968	967	968	968	969													
15	947	948	949	951	953													
20	919	921	925	929	931													
25	884	887	893	897	901													
30	841	846	853	860	866													
35	791	797	806	816	822													
40	736	742	753	764	772													
45	673	681	692	705	715													
50	605	613	626	639	650													
55	530	539	552	566	578													
60	451	460	472	487	498													
65	368	375	387	400	411													
70	281	287	297	308	317													
75	192	196	204	213	220													
80	108	110	115	120	124													
85	38.4	38.7	39.7	41.5	43.2													
90	3.09	3.07	2.90	2.68	2.47													
95	15.4	18.3	24.5	33.0	36.7													
100	75.4	83.1	92.8	102	111													
105	153	161	172	184	194													
110	234	243	255	268	280													
115	315	324	337	351	364													
120	393	403	416	430	443													
125	468	477	490	504	517													
130	538	547	559	572	585													
135	604	611	623	635	647													
140	664	671	681	692	702													
145	718	724	732	743	751													
150	766	771	779	786	794													
155	808	812	818	824	830													
160	843	847	851	856	860													
165	873	874	877	880	884													
170	894	895	897	898	900													
175	908	909	909	910	911													
180	914	914	914	914	914													

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 June 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
 Humidity: 45.1%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks: