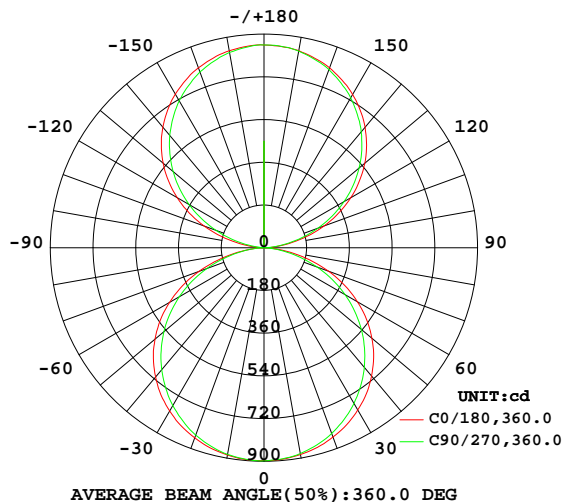


## LUMINAIRE PHOTOMETRIC TEST REPORT

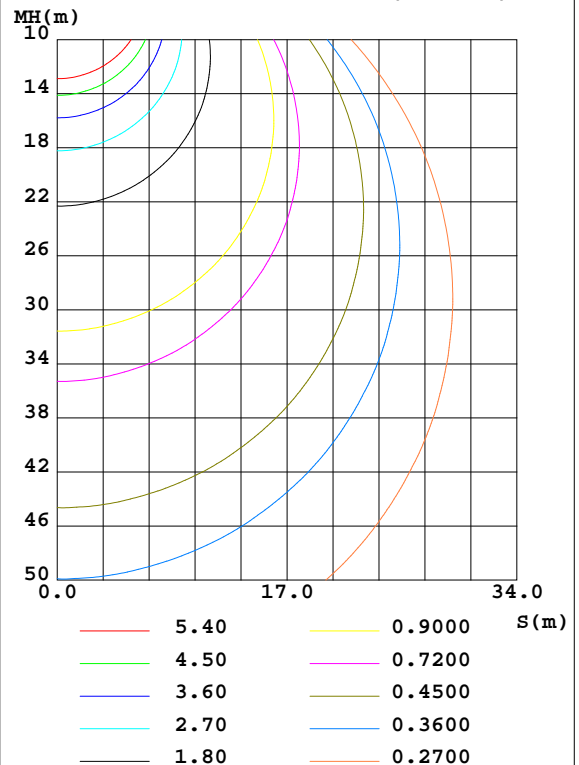
Test:U:120.00V I:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	MEASUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.88 lm/W			
MODEL	4FT404550W27-3545K-W	I <sub>max</sub> (cd)	898.5	S/MH(C0/180)	1.32
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	5191.0	η UP,DN(C0-180)	24.6,25.5
NOMINAL FLUX(lm)	5190.97	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	23.7,26.1
LAMPS INSIDE	1	η up(%)	48.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	51.7	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: 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	884.9	882.8	881.0	882.2	886.8	886.7	884.4	884.6	0- 10	85.03	85.03	1.64,1.64
20	849.1	841.2	833.5	841.4	852.8	848.3	840.5	845.0	10- 20	244.9	329.9	6.36,6.36
30	790.0	774.2	758.0	773.5	794.8	783.8	768.4	778.9	20- 30	375.3	705.2	13.6,13.6
40	705.2	681.3	657.9	679.4	710.8	693.0	670.9	687.5	30- 40	459.7	1165	22.4,22.4
50	593.9	564.1	535.4	560.7	599.7	577.6	550.6	571.6	40- 50	486.2	1651	31.8,31.8
60	454.6	423.9	394.3	417.9	459.2	437.8	411.2	431.7	50- 60	448.1	2099	40.4,40.4
70	289.2	263.7	238.3	255.2	292.1	277.6	255.7	271.2	60- 70	346.0	2445	47.1,47.1
80	112.4	100.4	84.81	90.32	112.4	110.2	99.23	104.6	70- 80	193.6	2639	50.8,50.8
90	1.563	1.676	0.9935	1.363	1.216	3.083	3.013	2.659	80- 90	44.02	2683	51.7,51.7
100	108.6	101.6	91.07	101.3	104.5	80.49	66.93	86.66	90-100	38.09	2721	52.4,52.4
110	269.6	255.8	242.0	255.2	268.7	232.6	215.6	237.8	100-110	178.0	2899	55.8,55.8
120	422.7	405.9	389.9	405.5	422.3	383.9	364.4	388.3	110-120	319.8	3219	62,62
130	554.8	538.1	523.6	537.8	554.9	519.2	500.3	522.0	120-130	416.7	3635	70,70
140	663.2	649.7	637.7	649.5	663.4	633.9	618.0	636.3	130-140	455.0	4090	78.8,78.8
150	746.8	737.8	730.6	738.3	748.0	725.8	715.0	726.9	140-150	432.6	4523	87.1,87.1
160	807.3	802.4	799.4	802.6	807.4	793.6	788.5	794.7	150-160	354.7	4878	94,94
170	843.4	842.0	842.0	841.9	842.9	837.2	835.9	837.4	160-170	232.4	5110	98.4,98.4
180	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	170-180	80.89	5191	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1408.7 lm

%lum = 27.1%

%lamp = 27.1%

Conical surface Flux(120deg): 2099.2 lm

%lum = 40.4%

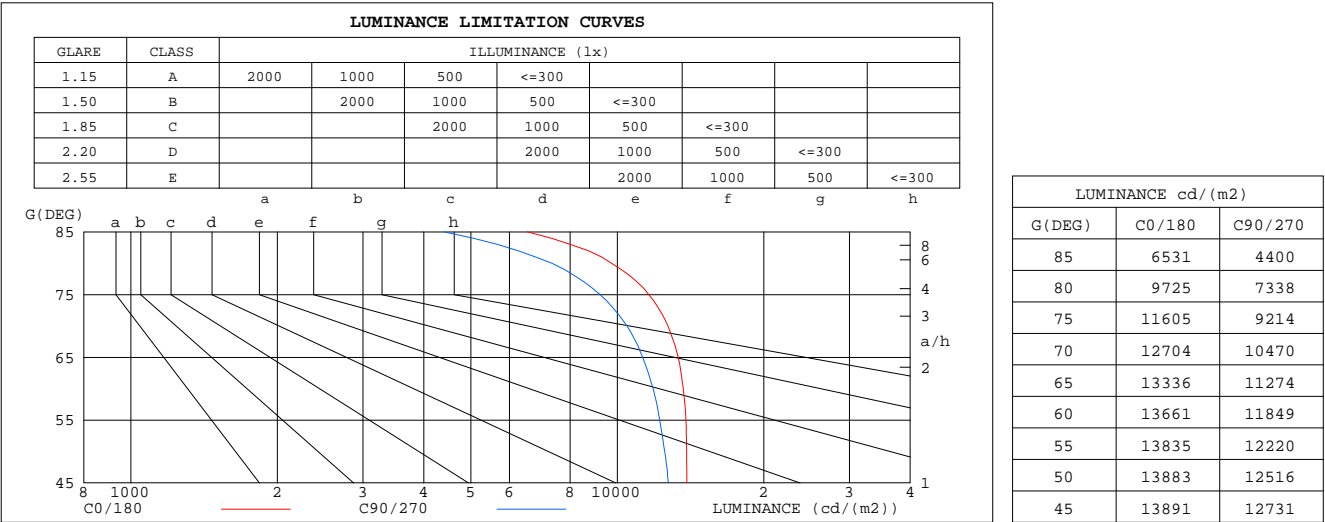
%lamp = 40.4%

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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:



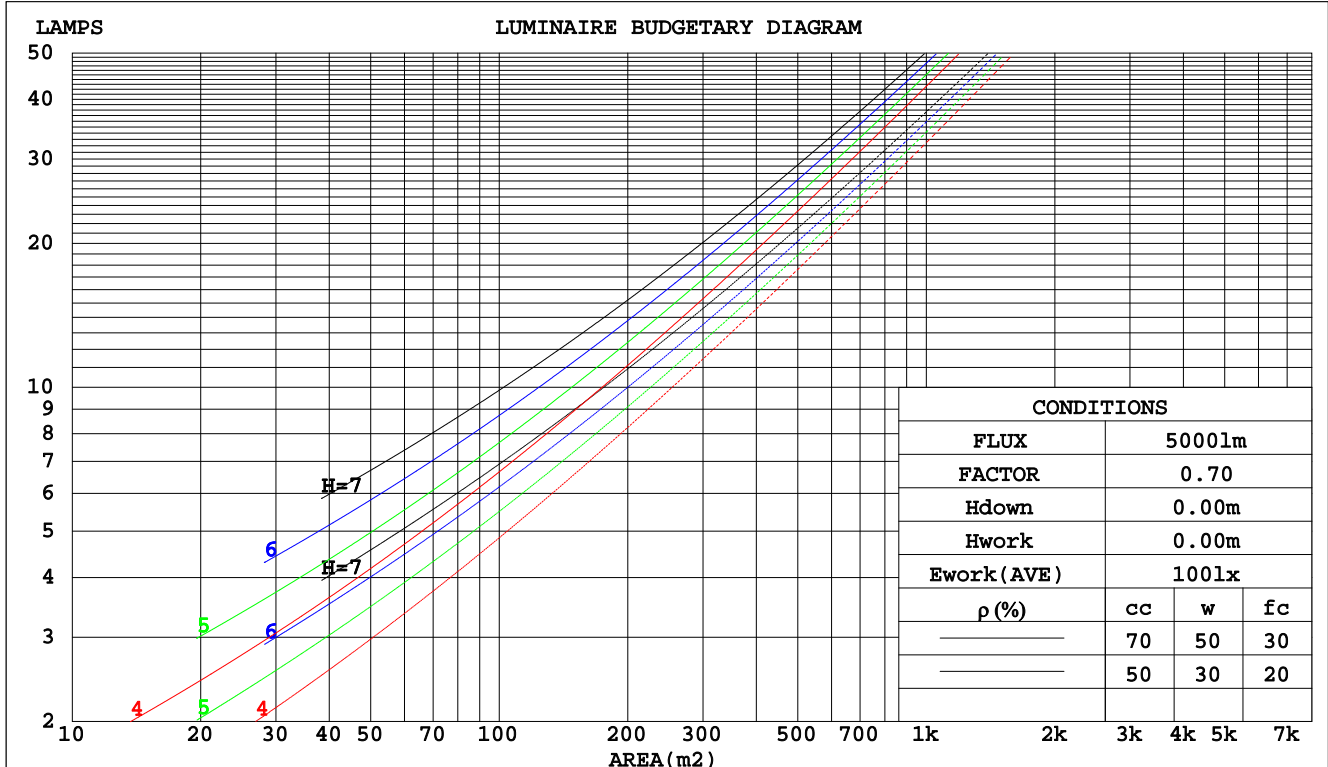
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS 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			Coefficients of Utilization(CU)												
0.0	1.08	1.08	1.08	.99	.99	.99	.84	.84	.84	.70	.70	.70	.58	.58	.58	.52
1.0	.94	.90	.86	.87	.83	.80	.74	.71	.69	.62	.60	.58	.51	.49	.48	.43
2.0	.81	.75	.70	.75	.70	.65	.64	.60	.57	.54	.51	.48	.44	.42	.40	.36
3.0	.71	.64	.58	.66	.60	.54	.56	.51	.47	.47	.44	.41	.39	.36	.34	.30
4.0	.63	.55	.49	.58	.51	.46	.50	.44	.40	.42	.38	.34	.35	.32	.29	.25
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	.29	.26	.28	.25	.22	.19
7.0	.45	.37	.31	.42	.35	.30	.36	.30	.26	.31	.26	.23	.26	.22	.19	.17
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.28	.24	.20	.23	.20	.17	.15
9.0	.37	.30	.25	.35	.28	.23	.30	.25	.21	.26	.21	.18	.22	.18	.16	.13
10.0	.34	.27	.22	.32	.25	.21	.28	.22	.19	.24	.19	.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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm									
NAME:				TYPE:LED				WEIGHT:	
SPEC.:				DIM.:				SERIAL No.:	
MFR.: WISDOM OPTPELECTRONICS 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	.263	.150	.048	.223	.128	.041	.186	.107	.034	.151	.088	.028		
2.0	.266	.146	.045	.247	.136	.042	.210	.117	.036	.176	.099	.031	.144	.082	.026		
3.0	.246	.131	.039	.228	.122	.037	.195	.105	.032	.163	.090	.027	.134	.074	.023		
4.0	.228	.118	.035	.211	.111	.033	.180	.096	.029	.152	.081	.025	.125	.068	.021		
5.0	.211	.107	.031	.196	.101	.029	.167	.087	.026	.141	.074	.022	.116	.062	.019		
6.0	.196	.098	.028	.182	.092	.026	.156	.080	.023	.131	.068	.020	.108	.057	.017		
7.0	.183	.090	.026	.170	.085	.024	.145	.074	.021	.123	.063	.018	.101	.053	.015		
8.0	.171	.083	.023	.159	.078	.022	.136	.068	.019	.115	.058	.017	.095	.049	.014		
9.0	.160	.078	.022	.149	.073	.020	.128	.063	.018	.108	.054	.016	.089	.045	.013		
10.0	.151	.072	.020	.140	.068	.019	.121	.059	.017	.102	.051	.014	.084	.042	.012		

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	.559	.559	.559	.477	.477	.477	.326	.326	.326	.187	.187	.187	.060	.060	.060	
1.0	.550	.528	.508	.470	.453	.437	.322	.311	.302	.185	.180	.176	.059	.058	.057	
2.0	.542	.506	.475	.465	.435	.410	.318	.301	.286	.184	.175	.168	.059	.057	.055	
3.0	.536	.490	.453	.459	.423	.393	.315	.294	.276	.182	.171	.162	.059	.056	.053	
4.0	.529	.478	.439	.454	.413	.381	.312	.288	.268	.181	.169	.159	.058	.055	.052	
5.0	.522	.468	.429	.449	.405	.373	.309	.283	.263	.179	.166	.156	.058	.054	.051	
6.0	.516	.461	.421	.444	.399	.367	.306	.279	.260	.178	.164	.154	.057	.054	.051	
7.0	.510	.455	.416	.439	.394	.363	.303	.276	.257	.176	.163	.153	.057	.053	.051	
8.0	.504	.450	.412	.434	.390	.359	.300	.274	.255	.175	.162	.152	.057	.053	.050	
9.0	.499	.445	.409	.430	.386	.357	.298	.272	.253	.173	.160	.151	.056	.053	.050	
10.0	.494	.441	.406	.426	.383	.355	.295	.270	.252	.172	.159	.150	.056	.052	.050	

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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 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	19.0	20.0	19.9	20.9	21.9	18.4	19.4	19.3	20.2	21.3
3H	20.6	21.4	21.4	22.3	23.4	19.8	20.6	20.6	21.5	22.6
4H	21.1	22.0	22.0	22.8	24.0	20.2	21.0	21.1	21.9	23.0
6H	21.5	22.2	22.4	23.1	24.3	20.5	21.2	21.4	22.1	23.3
8H	21.6	22.3	22.5	23.2	24.3	20.5	21.2	21.4	22.1	23.3
12H	21.6	22.2	22.5	23.2	24.3	20.5	21.2	21.4	22.1	23.2
4H 2H	19.4	20.2	20.3	21.1	22.3	19.0	19.8	19.8	20.7	21.8
3H	21.1	21.8	22.0	22.7	23.9	20.4	21.1	21.4	22.0	23.2
4H	21.8	22.4	22.7	23.3	24.5	21.0	21.6	21.9	22.5	23.7
6H	22.2	22.8	23.2	23.7	25.0	21.3	21.9	22.3	22.8	24.0
8H	22.4	22.8	23.3	23.8	25.1	21.4	21.9	22.3	22.8	24.1
12H	22.4	22.8	23.3	23.8	25.1	21.4	21.8	22.3	22.8	24.0
8H 4H	21.9	22.4	22.8	23.3	24.6	21.2	21.7	22.1	22.6	23.9
6H	22.4	22.8	23.4	23.8	25.1	21.6	22.0	22.6	23.0	24.3
8H	22.6	23.0	23.6	24.0	25.2	21.7	22.1	22.7	23.1	24.3
12H	22.7	23.0	23.7	24.0	25.3	21.7	22.0	22.7	23.0	24.3
12H 4H	21.8	22.3	22.8	23.2	24.5	21.1	21.6	22.1	22.6	23.8
6H	22.4	22.8	23.4	23.8	25.1	21.6	22.0	22.6	23.0	24.2
8H	22.6	22.9	23.6	23.9	25.2	21.7	22.0	22.7	23.0	24.4
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, 5191 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 5.7$ )  
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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

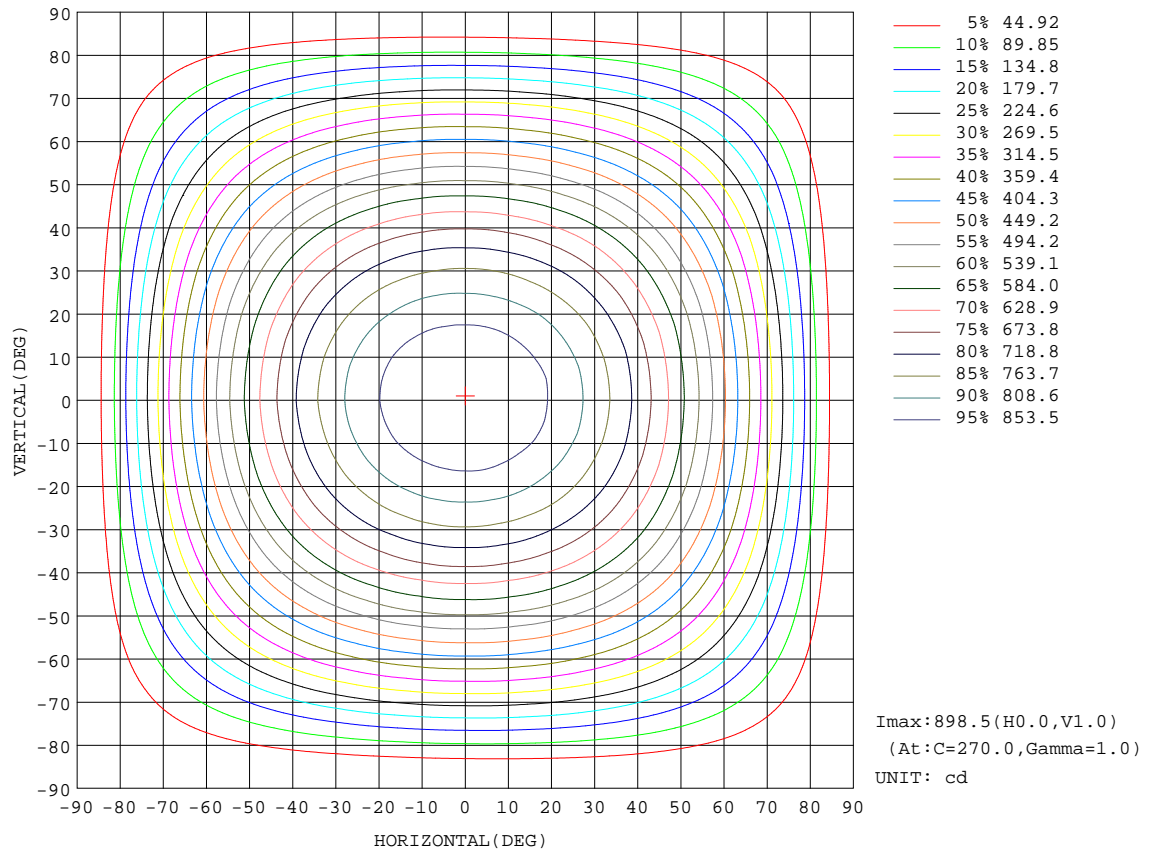
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	42	31	26	37	29	24	16
0.80	53	42	35	50	40	33	44	36	31	21
1.00	61	50	42	57	47	41	50	44	37	25
1.25	68	57	50	64	54	47	56	48	43	29
1.50	74	63	56	69	59	53	59	52	47	32
2.00	81	71	64	75	67	61	65	59	54	36
2.50	85	77	70	79	72	66	68	62	58	38
3.00	89	81	75	82	76	70	70	66	62	40
4.00	93	87	82	86	81	76	74	70	67	43
5.00	96	90	86	89	84	80	76	72	70	44
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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 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

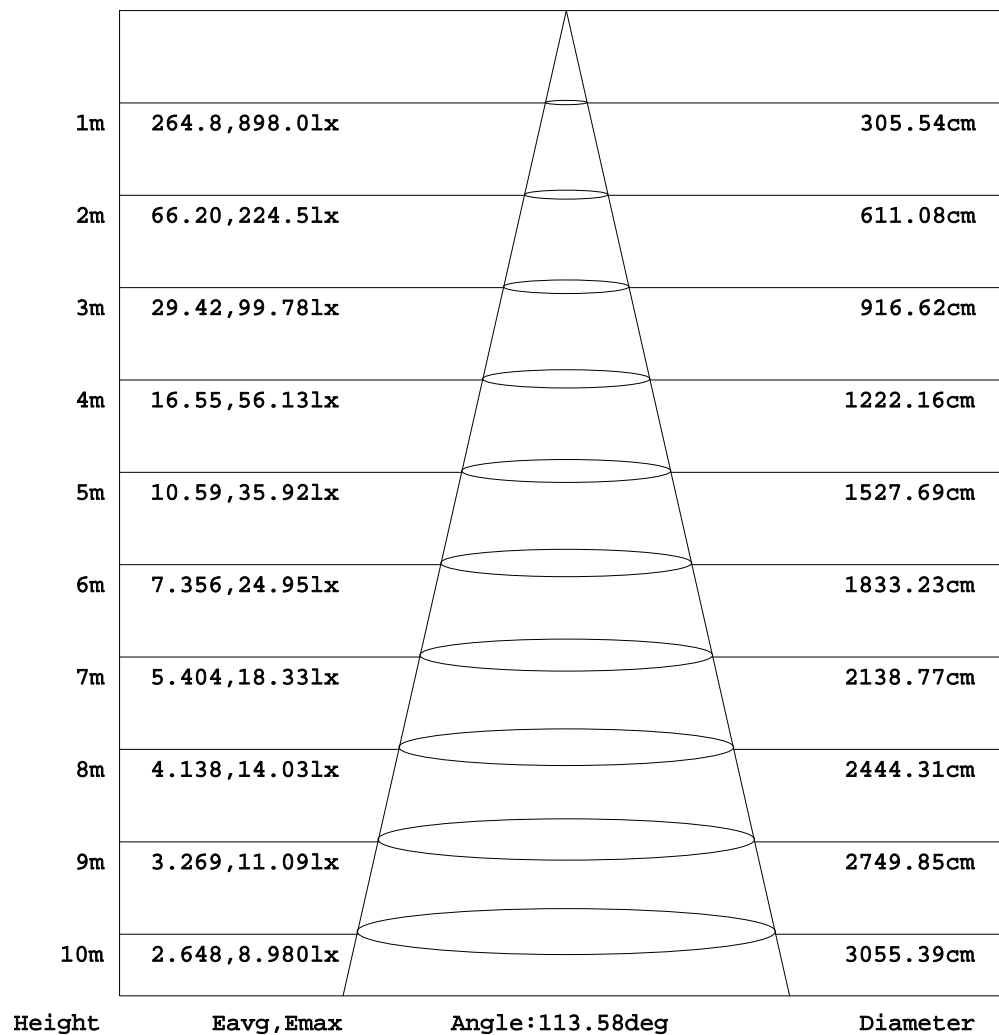
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 45.1%  
Test Distance: 2.500m [K=4.0000]  
Remarks:



## AAI Figure

Test:U:120.00V I:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Flux out:1973 lm



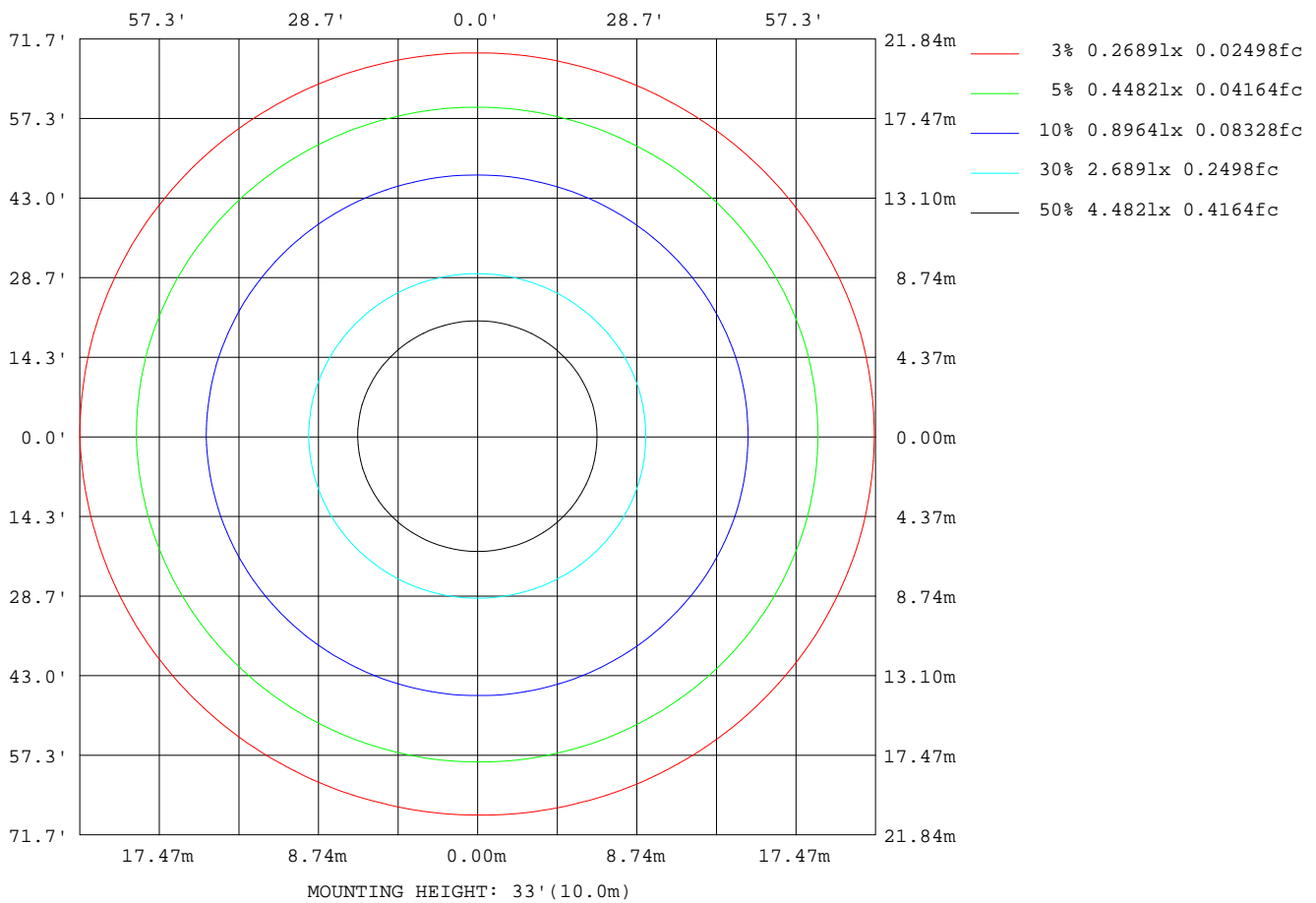
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:

## ISOLUX DIAGRAM

Test:U:120.00V I:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 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

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:

## LED Avg.L Report

Test:U:120.00V I:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

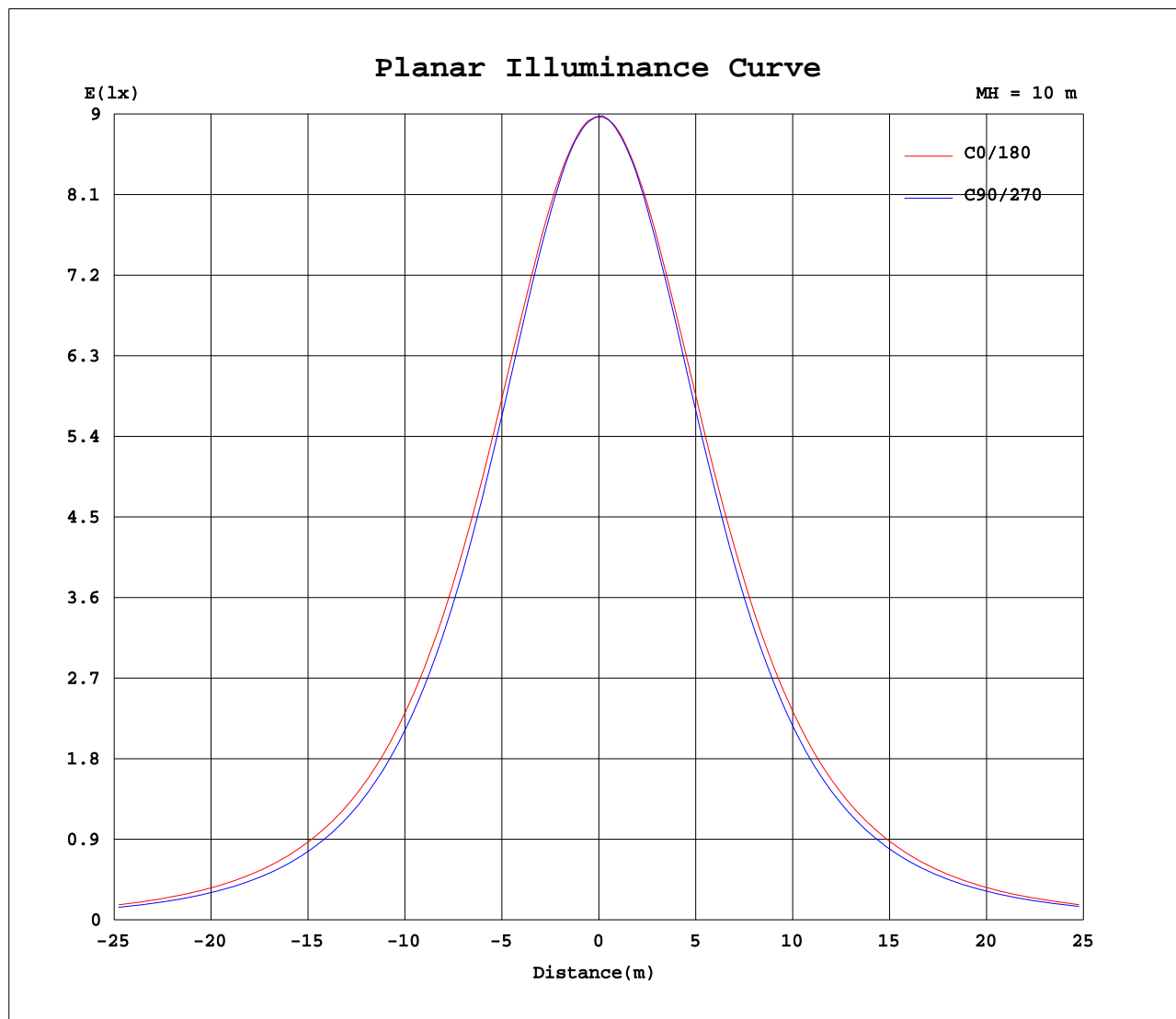
AvgL	cd/m2
L_0~180(65)av	13402
L_0~180(75)av	11637
L_0~180(85)av	6490
L_90~270(65)av	11591
L_90~270(75)av	9707
L_90~270(85)av	5284
L_45(65)av	12425
L_45(75)av	10583
L_45(85)av	5851

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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm																		
NAME:									TYPE:LED					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED									SUR.:					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	896	897	898	897	897	897	898	898	897	896	897	897	896	897	898	897	897	897	898
5	895	894	893	893	894	893	893	892	893	894	894	894	896	896	895	895	895	895	894
10	885	884	884	883	881	880	881	881	881	882	884	886	887	887	887	887	885	884	884
15	871	869	867	864	863	861	860	861	863	866	868	870	873	873	872	870	869	867	865
20	849	848	845	841	836	833	833	835	837	841	846	850	853	853	852	848	844	841	840
25	823	821	816	810	805	801	798	800	804	811	817	823	828	827	823	819	814	810	807
30	790	787	782	774	765	760	758	760	765	773	782	790	795	794	790	784	776	770	768
35	752	748	740	730	721	714	710	713	719	730	740	750	757	756	749	741	733	726	722
40	705	701	693	681	669	661	658	660	668	679	692	704	711	710	703	693	682	674	671
45	654	649	639	625	613	603	599	602	610	624	638	650	660	658	650	638	626	617	613
50	594	589	579	564	550	539	535	538	546	561	576	590	600	598	590	578	564	555	551
55	528	523	511	496	482	471	466	469	478	493	508	522	534	532	523	510	497	488	483
60	455	450	439	424	409	398	394	396	404	418	434	448	459	458	450	438	425	415	411
65	375	371	360	345	332	322	317	319	326	339	353	367	379	379	371	359	348	339	335
70	289	286	276	264	252	242	238	239	245	255	268	280	292	292	287	278	268	260	256
75	200	197	190	180	171	163	159	158	163	171	181	191	201	203	199	192	185	179	176
80	112	111	106	100	93.6	88.3	84.8	84.0	85.6	90.3	96.9	104	112	115	114	110	106	102	99.2
85	37.9	37.8	36.1	33.3	30.3	27.6	25.5	24.4	24.5	25.7	28.3	31.6	37.4	40.1	41.1	40.3	38.9	37.2	35.8
90	1.56	1.91	1.84	1.68	1.34	1.09	0.99	1.08	1.25	1.36	1.37	1.27	1.22	2.09	2.61	3.08	3.24	3.19	3.01
95	38.5	41.6	39.5	36.1	32.1	29.9	29.3	30.4	32.9	36.1	37.6	35.5	35.7	30.6	25.2	18.2	14.5	13.3	13.3
100	109	111	107	102	96.1	92.3	91.1	92.9	96.5	101	105	106	105	96.5	88.8	80.5	72.5	67.5	66.9
105	188	189	184	177	171	167	165	167	171	177	182	186	186	175	165	155	146	141	140
110	270	271	264	256	248	243	242	244	249	255	262	268	269	256	245	233	222	216	216
115	348	348	341	332	325	319	317	319	325	332	340	346	347	335	322	309	299	292	291
120	423	423	415	406	397	392	390	392	397	406	414	421	422	410	397	384	372	365	364
125	491	491	484	474	467	461	459	461	467	475	482	489	491	480	467	454	443	436	434
130	555	555	548	538	530	525	524	525	530	538	547	553	555	544	532	519	508	502	500
135	611	611	605	597	590	585	583	584	590	597	604	610	612	602	591	579	570	563	561
140	663	663	658	650	643	639	638	639	643	650	656	662	663	655	645	634	625	619	618
145	707	708	703	697	692	688	686	687	692	698	702	707	708	701	692	683	675	670	668
150	747	748	744	738	734	731	731	732	734	738	742	747	748	741	734	726	719	715	715
155	779	781	778	773	771	768	767	768	771	774	777	780	780	775	769	763	758	755	753
160	807	809	807	802	800	799	799	800	800	803	805	808	807	804	800	794	790	788	789
165	827	829	828	826	825	824	823	823	825	827	827	828	827	825	823	819	817	816	814
170	843	845	844	842	842	841	842	842	841	842	843	844	843	842	841	837	836	835	836
175	851	853	852	852	853	852	852	852	853	853	851	851	852	852	850	849	849	849	848
180	854	854	854	854	854	854	854	854	854	854	854	854	854	854	854	854	854	854	854

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:0.3292A P:39.360W PF:0.9964 Freq:60.00Hz Lamp Flux:5190.97x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	898	897	896	897	897													
5	894	894	895	894	894													
10	884	884	885	885	886													
15	866	866	869	869	871													
20	841	842	845	848	851													
25	808	811	816	820	823													
30	770	773	779	785	791													
35	723	728	737	745	751													
40	673	678	688	698	706													
45	615	622	633	645	653													
50	553	559	572	584	594													
55	485	492	505	518	527													
60	413	420	432	444	455													
65	336	343	354	366	375													
70	257	262	271	281	290													
75	176	179	186	194	200													
80	99.2	101	105	109	114													
85	35.1	35.4	36.4	38.0	39.4													
90	2.84	2.79	2.66	2.38	2.29													
95	14.5	17.1	23.0	30.9	34.3													
100	70.3	77.2	86.7	96.2	104													
105	143	151	161	172	182													
110	219	227	238	250	262													
115	294	303	315	328	340													
120	368	376	388	402	415													
125	438	446	458	471	483													
130	503	511	522	535	547													
135	564	571	583	593	604													
140	621	626	636	646	657													
145	671	677	685	694	702													
150	717	720	727	734	743													
155	755	759	765	770	776													
160	789	791	795	799	804													
165	815	818	821	822	825													
170	836	836	837	839	842													
175	848	849	850	850	851													
180	854	854	854	854	854													

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: