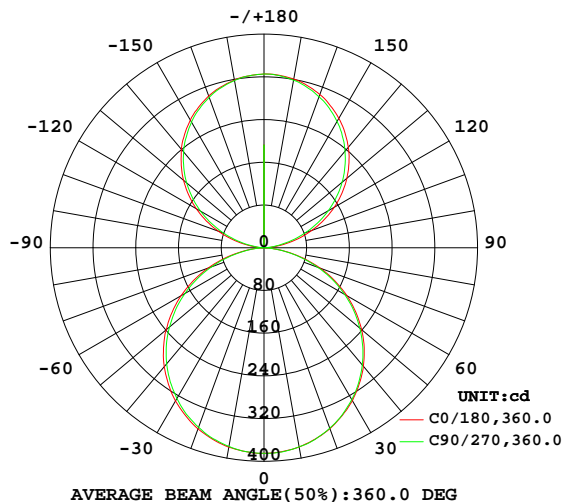


## LUMINAIRE PHOTOMETRIC TEST REPORT

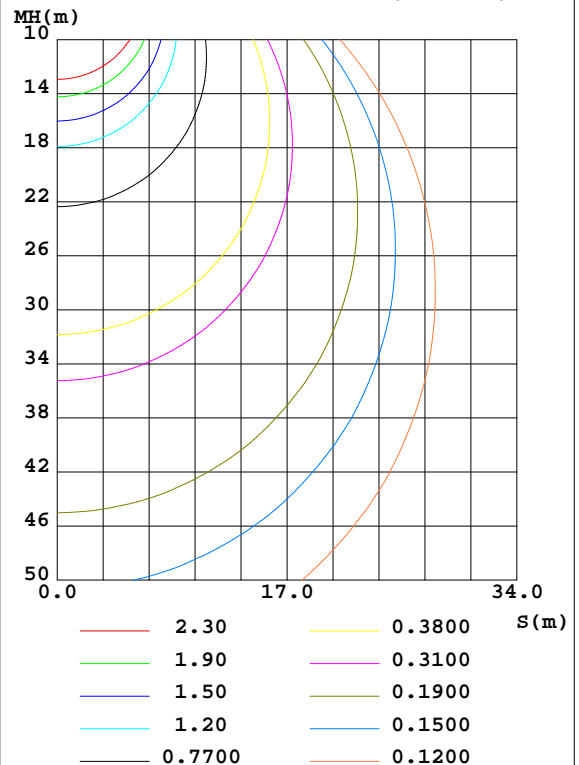
Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	MEASUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.89 lm/W			
MODEL	152025W27-3545K-W	I <sub>max</sub> (cd)	385.6	S/MH(C0/180)	1.28
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	2037.8	η UP,DN(C0-180)	22.7,27.5
NOMINAL FLUX(lm)	2037.78	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	22.4,27.3
LAMPS INSIDE	1	η up(%)	45.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	54.9	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: 25.1DEG  
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: 44.3%  
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	379.0	379.5	378.8	378.9	379.3	378.6	377.7	377.9	0- 10	36.45	36.45	1.79,1.79
20	360.7	360.8	359.9	360.4	361.1	359.6	357.9	358.9	10- 20	104.7	141.1	6.93,6.93
30	330.9	330.0	328.5	329.6	331.4	328.5	326.1	328.3	20- 30	159.4	300.6	14.7,14.7
40	289.8	288.7	286.2	288.1	290.6	286.6	283.5	286.5	30- 40	193.7	494.2	24.3,24.3
50	238.8	237.2	234.4	236.7	239.2	234.6	230.8	234.5	40- 50	202.8	697.0	34.2,34.2
60	178.9	177.2	174.1	176.3	179.2	174.5	170.9	174.4	50- 60	184.6	881.6	43.3,43.3
70	111.8	110.3	107.0	109.0	111.5	107.6	104.5	107.6	60- 70	141.1	1023	50.2,50.2
80	42.05	41.55	40.09	40.74	42.34	40.07	38.37	39.96	70- 80	78.14	1101	54,54
90	0.1217	0.1660	0.1760	0.1280	0.1822	0.1594	0.1820	0.1868	80- 90	16.97	1118	54.9,54.9
100	37.46	32.68	27.50	29.80	34.55	28.59	25.99	31.07	90-100	12.76	1131	55.5,55.5
110	95.18	89.08	82.58	84.93	90.71	83.13	80.20	86.68	100-110	61.26	1192	58.5,58.5
120	152.0	145.5	139.1	140.9	146.4	139.4	137.0	143.3	110-120	113.7	1306	64.1,64.1
130	202.8	196.7	190.8	191.9	197.1	190.6	189.0	194.8	120-130	151.1	1457	71.5,71.5
140	245.8	241.1	236.1	236.3	240.6	235.5	234.1	239.1	130-140	167.5	1624	79.7,79.7
150	280.2	277.1	273.5	273.1	276.2	272.2	271.7	275.3	140-150	161.3	1785	87.6,87.6
160	305.7	303.8	301.2	300.8	302.7	300.3	299.8	302.4	150-160	133.5	1919	94.2,94.2
170	321.0	320.4	318.6	318.6	319.0	318.4	318.0	319.3	160-170	88.04	2007	98.5,98.5
180	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	170-180	30.75	2038	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 596.15 lm

%lum = 29.3%

%lamp = 29.3%

Conical surface Flux(120deg): 881.61 lm

%lum = 43.3%

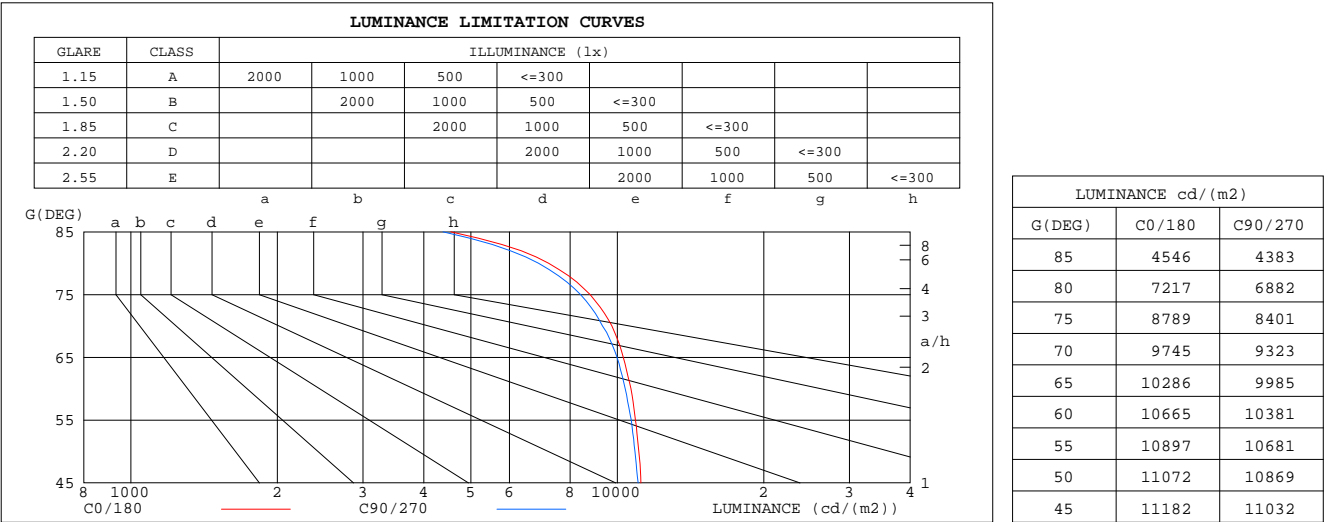
%lamp = 43.3%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:



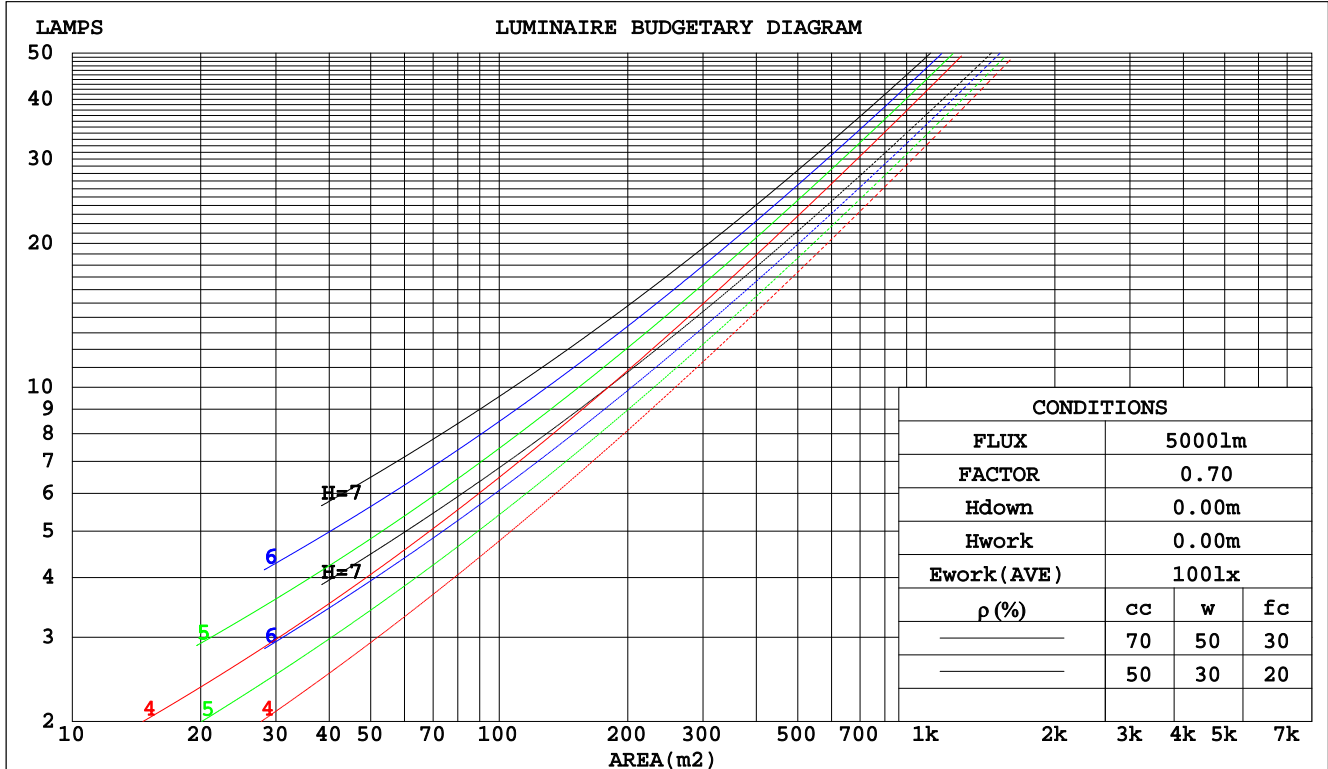
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 44.3%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS 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	1.01	1.01	1.01	.86	.86	.86	.73	.73	.73	.61	.61	.61	.55
1.0	.94	.90	.87	.88	.84	.81	.75	.73	.70	.64	.62	.60	.53	.52	.51	.46
2.0	.82	.76	.71	.76	.71	.66	.66	.62	.58	.56	.53	.50	.47	.45	.43	.38
3.0	.72	.65	.59	.67	.60	.55	.58	.53	.49	.49	.45	.42	.41	.38	.36	.32
4.0	.64	.56	.49	.59	.52	.47	.51	.46	.41	.44	.39	.36	.37	.33	.31	.27
5.0	.57	.48	.42	.53	.45	.40	.46	.40	.35	.39	.35	.31	.33	.29	.27	.24
6.0	.51	.42	.36	.47	.40	.35	.41	.35	.31	.35	.31	.27	.30	.26	.23	.21
7.0	.46	.38	.32	.43	.35	.30	.37	.31	.27	.32	.27	.24	.27	.23	.21	.18
8.0	.41	.34	.28	.39	.32	.27	.34	.28	.24	.29	.25	.21	.25	.21	.18	.16
9.0	.38	.30	.25	.35	.29	.24	.31	.25	.21	.27	.22	.19	.23	.19	.17	.14
10.0	.35	.27	.22	.33	.26	.21	.29	.23	.19	.25	.20	.17	.21	.18	.15	.13



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## WEC AND CCEC

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 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	.264	.151	.048	.225	.129	.041	.190	.109	.035	.157	.091	.029	
2.0	.266	.146	.045	.248	.136	.042	.212	.118	.037	.180	.101	.032	.150	.085	.027	
3.0	.247	.131	.039	.230	.123	.037	.197	.107	.033	.168	.092	.028	.140	.078	.024	
4.0	.228	.119	.035	.213	.111	.033	.183	.097	.029	.156	.084	.025	.130	.071	.022	
5.0	.211	.108	.031	.197	.101	.029	.170	.088	.026	.145	.076	.023	.121	.065	.019	
6.0	.197	.099	.028	.183	.093	.027	.158	.081	.024	.135	.070	.021	.113	.059	.018	
7.0	.183	.091	.026	.171	.085	.024	.148	.075	.022	.126	.065	.019	.106	.055	.016	
8.0	.171	.084	.024	.160	.079	.022	.139	.069	.020	.118	.060	.017	.099	.051	.015	
9.0	.161	.078	.022	.150	.073	.021	.130	.064	.018	.111	.056	.016	.093	.047	.014	
10.0	.151	.073	.020	.142	.068	.019	.123	.060	.017	.105	.052	.015	.088	.044	.013	

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	.534	.534	.534	.457	.457	.457	.312	.312	.312	.179	.179	.179	.057	.057	.057	
1.0	.525	.503	.483	.450	.432	.416	.307	.297	.288	.177	.172	.167	.057	.055	.054	
2.0	.518	.481	.450	.444	.414	.389	.304	.287	.271	.175	.167	.159	.056	.054	.052	
3.0	.511	.465	.429	.438	.401	.372	.301	.279	.261	.174	.163	.154	.056	.053	.050	
4.0	.504	.453	.414	.433	.391	.360	.298	.273	.253	.172	.160	.150	.055	.052	.049	
5.0	.498	.444	.404	.427	.384	.351	.294	.268	.248	.171	.157	.147	.055	.051	.048	
6.0	.491	.436	.396	.422	.378	.345	.291	.264	.244	.169	.156	.145	.055	.051	.048	
7.0	.485	.430	.391	.417	.373	.341	.288	.261	.241	.168	.154	.144	.054	.050	.048	
8.0	.479	.425	.387	.413	.368	.337	.286	.259	.239	.166	.153	.143	.054	.050	.047	
9.0	.474	.420	.384	.408	.365	.335	.283	.256	.238	.165	.151	.142	.053	.050	.047	
10.0	.469	.416	.381	.404	.362	.333	.280	.254	.236	.164	.150	.141	.053	.049	.047	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 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	18.4	19.4	19.2	20.2	21.2	18.3	19.3	19.1	20.1	21.1
3H	19.9	20.8	20.7	21.6	22.7	19.7	20.6	20.5	21.4	22.5
4H	20.4	21.2	21.3	22.1	23.2	20.2	21.0	21.1	21.9	23.0
6H	20.7	21.5	21.6	22.4	23.5	20.5	21.3	21.4	22.1	23.2
8H	20.8	21.5	21.6	22.4	23.5	20.6	21.3	21.4	22.2	23.3
12H	20.7	21.5	21.6	22.3	23.5	20.5	21.2	21.4	22.1	23.2
4H 2H	18.9	19.7	19.7	20.6	21.6	18.8	19.6	19.6	20.5	21.5
3H	20.5	21.2	21.4	22.1	23.2	20.3	21.0	21.2	21.9	23.1
4H	21.1	21.7	22.0	22.7	23.8	20.9	21.6	21.8	22.5	23.6
6H	21.5	22.1	22.4	23.0	24.2	21.3	21.9	22.2	22.8	24.0
8H	21.6	22.1	22.5	23.0	24.2	21.4	21.9	22.3	22.8	24.0
12H	21.6	22.1	22.6	23.0	24.2	21.4	21.9	22.3	22.8	24.0
8H 4H	21.2	21.7	22.2	22.7	23.9	21.1	21.6	22.0	22.5	23.7
6H	21.7	22.2	22.7	23.1	24.3	21.6	22.0	22.5	22.9	24.2
8H	21.9	22.2	22.9	23.2	24.5	21.7	22.1	22.7	23.0	24.3
12H	21.9	22.2	22.9	23.2	24.5	21.7	22.0	22.7	23.0	24.3
12H 4H	21.2	21.6	22.1	22.6	23.8	21.0	21.5	22.0	22.4	23.7
6H	21.7	22.1	22.7	23.1	24.3	21.6	21.9	22.5	22.9	24.1
8H	21.9	22.2	22.9	23.2	24.5	21.7	22.0	22.7	23.0	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 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, 2038 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.5$ )  
Area: 0.03355 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.1DEG  
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: 44.3%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

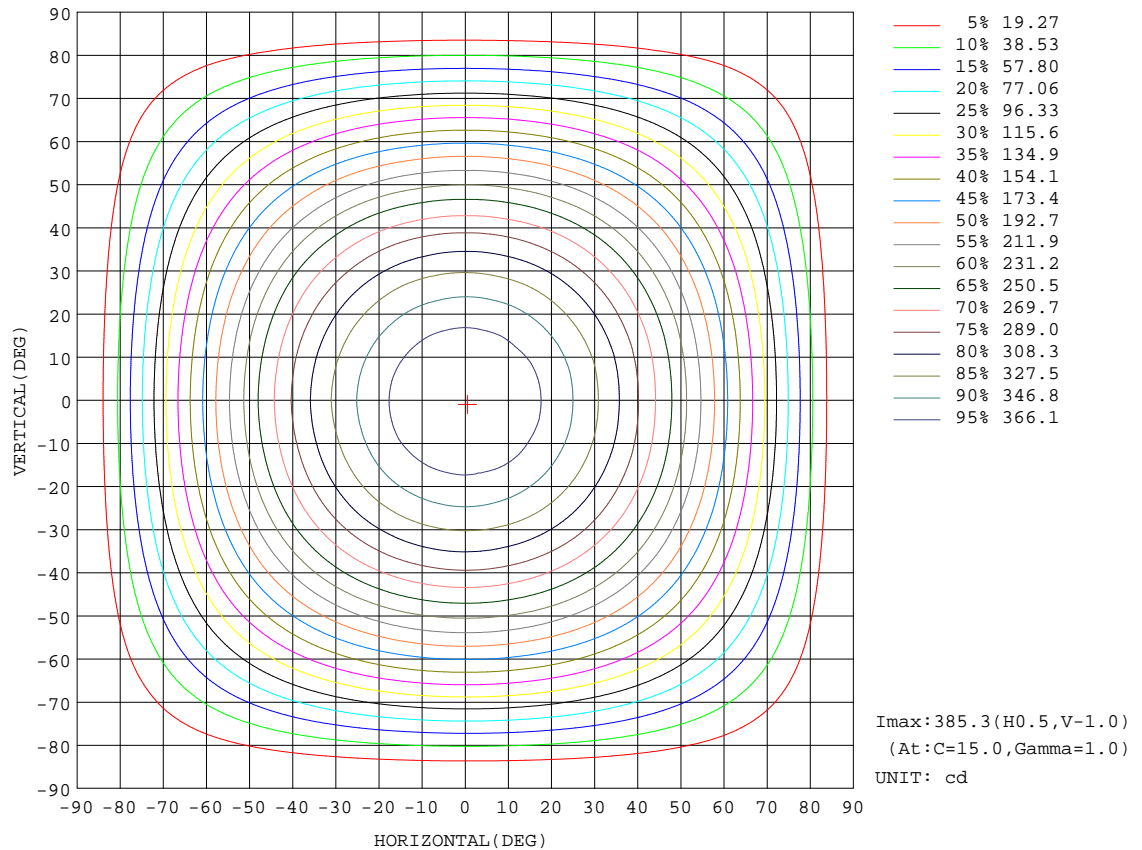
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	45	34	28	43	33	27	39	30	25	17
0.80	55	43	36	52	41	35	46	38	32	22
1.00	62	51	44	59	49	42	52	45	39	27
1.25	70	58	51	65	56	49	57	50	45	31
1.50	75	64	57	70	61	54	61	54	49	34
2.00	82	73	66	76	68	62	66	60	56	38
2.50	86	78	71	80	73	67	70	64	60	41
3.00	90	82	76	84	77	72	72	68	64	43
4.00	94	88	83	87	82	78	75	72	68	46
5.00	97	91	87	90	85	82	77	74	71	47
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: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 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: 25.1DEG  
Operators: Alan Wang  
Test Date: 24 June 2023

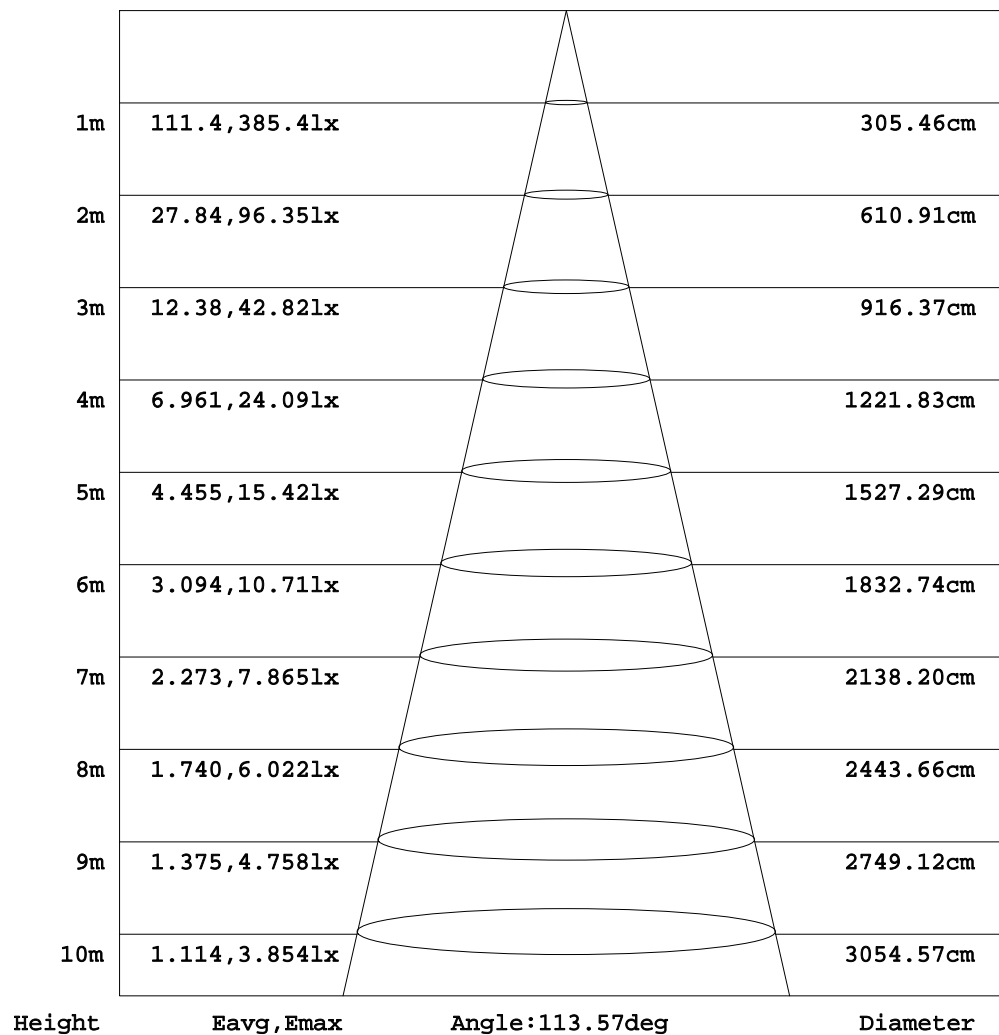
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.416  
Humidity: 44.3%  
Test Distance: 2.500m [K=4.0000]  
Remarks:



## AAI Figure

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Flux out:829.7 lm



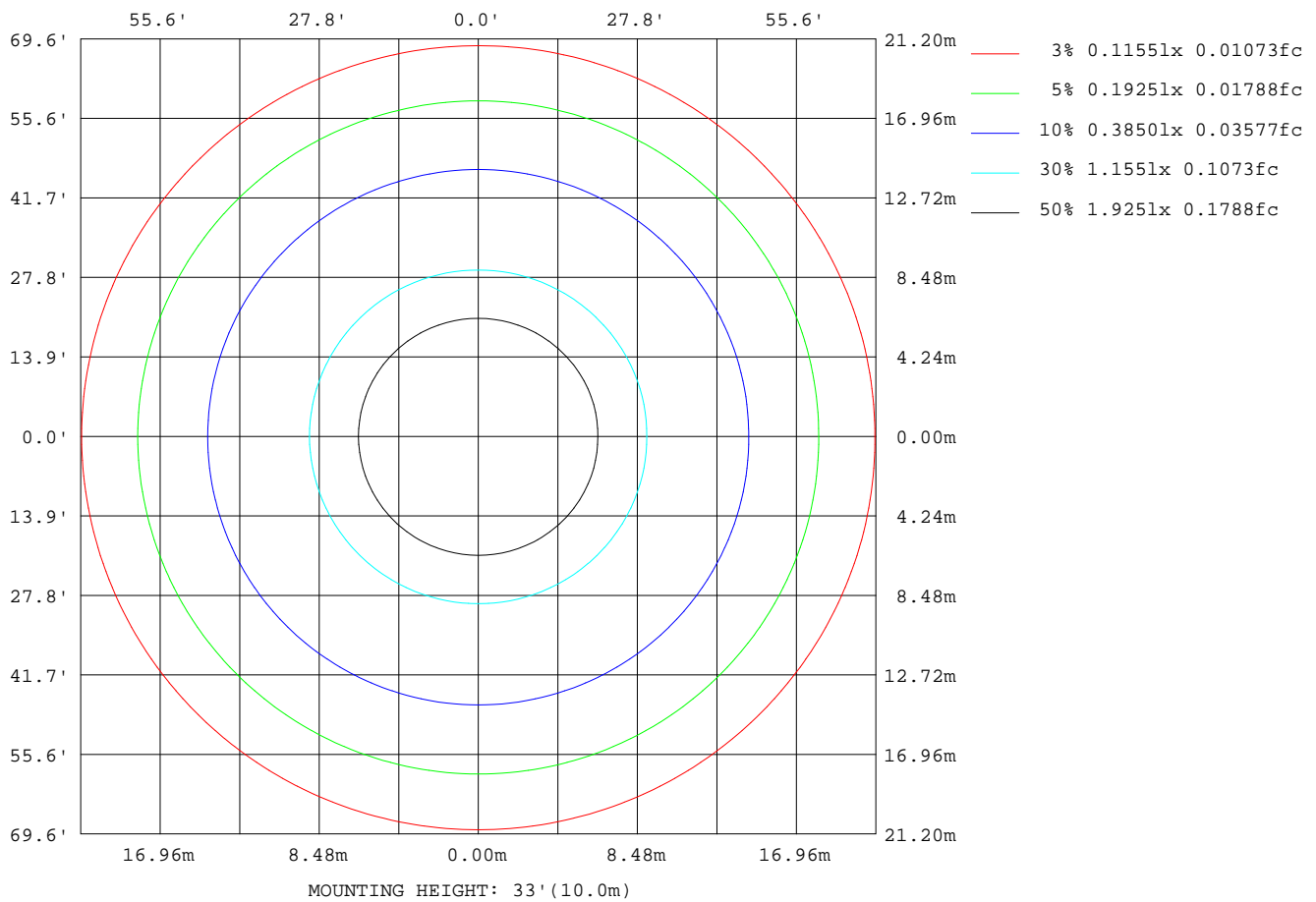
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 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: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

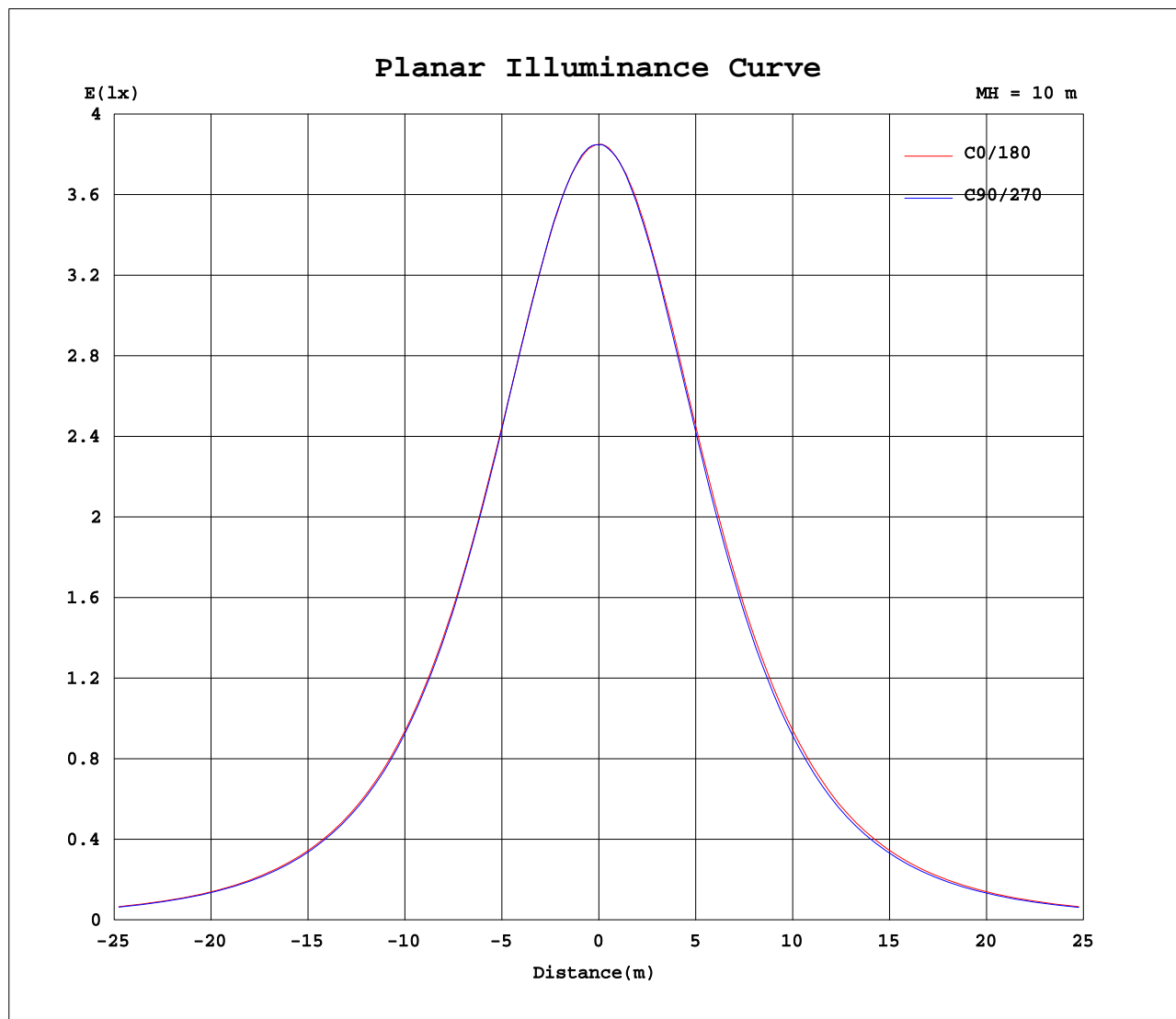
AvgL	cd/m2
L_0~180(65)av	10285
L_0~180(75)av	8784
L_0~180(85)av	4613
L_90~270(65)av	9869
L_90~270(75)av	8271
L_90~270(85)av	4270
L_45(65)av	10068
L_45(75)av	8500
L_45(85)av	4440

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 25.1DEG  
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: 44.3%  
Test Distance: 2.500m [K=4.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 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	385	385	385	385	385	385	385	385	385	385	384	385	385	385	385	385	385	385	385
5	383	383	383	384	384	384	384	384	384	384	384	383	383	384	383	383	383	383	383
10	379	379	379	380	379	379	379	379	379	379	379	379	379	379	379	379	378	378	378
15	371	371	371	371	371	371	371	371	371	372	372	371	371	371	371	370	370	370	370
20	361	361	361	361	361	360	360	360	360	360	360	360	361	361	360	360	359	358	358
25	347	347	347	347	346	346	346	346	346	347	347	347	347	347	346	345	344	344	344
30	331	331	331	330	330	329	329	328	329	330	330	330	331	331	330	328	328	326	326
35	311	312	311	310	310	309	309	309	309	310	311	311	312	311	310	309	307	306	306
40	290	290	289	289	287	287	286	286	287	288	289	289	291	290	289	287	285	284	283
45	265	266	265	264	263	262	262	262	263	264	265	265	266	265	264	262	261	259	259
50	239	239	238	237	236	235	234	235	235	237	238	238	239	239	237	235	233	231	231
55	210	210	209	208	207	206	206	206	206	208	209	209	210	209	208	205	204	202	202
60	179	179	178	177	176	175	174	174	175	176	178	178	179	178	177	174	173	171	171
65	146	146	146	144	143	142	142	142	142	144	145	145	146	145	143	142	140	139	138
70	112	112	112	110	109	108	107	107	108	109	110	111	112	111	109	108	106	105	105
75	76.3	76.6	76.0	75.0	74.1	73.3	72.9	73.0	73.4	74.1	74.7	75.1	76.2	75.5	74.3	73.0	71.8	70.8	70.7
80	42.0	42.2	42.0	41.5	41.0	40.5	40.1	40.1	40.3	40.7	41.0	41.3	42.3	41.8	41.0	40.1	39.3	38.6	38.4
85	13.3	13.6	13.7	13.5	13.3	13.0	12.8	12.7	12.8	12.9	13.1	13.1	13.7	13.4	13.1	12.8	12.5	12.2	12.2
90	0.12	0.24	0.18	0.17	0.15	0.15	0.18	0.14	0.13	0.13	0.13	0.12	0.18	0.15	0.16	0.16	0.17	0.18	0.18
95	12.9	13.4	11.9	10.5	9.14	7.98	7.44	7.43	8.12	9.10	10.0	11.0	11.1	10.9	9.99	8.68	8.26	8.06	8.11
100	37.5	37.7	35.5	32.7	30.1	28.4	27.5	27.4	28.2	29.8	31.9	33.7	34.6	32.5	30.8	28.6	27.0	26.1	26.0
105	65.9	65.8	63.2	60.1	57.2	55.1	53.9	53.8	54.8	56.7	58.9	60.8	62.0	59.4	57.2	54.9	53.0	52.0	51.9
110	95.2	94.9	92.1	89.1	86.2	83.9	82.6	82.3	83.2	84.9	87.2	89.3	90.7	87.7	85.5	83.1	81.2	80.3	80.2
115	124	124	121	118	115	113	111	111	112	113	116	118	119	116	114	112	110	109	109
120	152	151	148	145	143	140	139	139	139	141	143	145	146	144	142	139	138	137	137
125	178	177	174	172	169	167	166	165	166	167	169	171	172	170	168	166	164	163	164
130	203	202	199	197	194	192	191	190	191	192	194	195	197	195	193	191	189	189	189
135	225	224	222	220	217	215	214	214	214	215	217	218	219	218	216	214	213	212	213
140	246	246	244	241	239	237	236	235	236	236	238	240	241	238	237	236	234	234	234
145	264	264	262	260	259	257	256	256	256	257	258	258	259	257	256	255	254	254	254
150	280	280	279	277	276	275	273	273	273	273	274	275	276	274	273	272	271	271	272
155	294	294	293	291	290	289	289	288	289	289	289	290	290	289	288	287	287	286	287
160	306	306	305	304	303	302	301	301	301	301	301	302	303	301	301	300	300	300	300
165	314	314	314	313	312	312	311	311	312	311	312	312	312	311	311	310	310	310	310
170	321	321	321	320	320	319	319	319	319	319	319	319	319	319	319	318	318	319	318
175	324	324	324	324	324	324	324	324	324	324	324	323	323	323	323	323	323	323	323
180	325	326	325	325	325	325	325	325	325	325	325	325	326	326	326	326	326	325	325

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: MEDIUM

Temperature: 25.1DEG

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: 44.3%

Test Distance: 2.500m [K=4.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1280A P:15.220W PF:0.9912 Freq:60.00Hz Lamp Flux:2037.78x1 lm					
NAME:			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED			SUR.:		Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	385	385	385	384	385													
5	383	384	383	384	383													
10	378	378	378	378	379													
15	370	370	370	371	371													
20	358	359	359	360	360													
25	344	345	345	346	347													
30	326	327	328	329	331													
35	306	308	309	310	312													
40	284	285	287	288	290													
45	259	261	262	264	266													
50	231	233	235	237	239													
55	202	204	206	208	209													
60	171	173	174	176	178													
65	139	140	142	144	145													
70	105	106	108	109	111													
75	71.0	71.7	73.1	74.6	76.3													
80	38.5	39.1	40.0	41.0	42.2													
85	12.2	12.4	12.7	13.1	13.6													
90	0.18	0.18	0.19	0.20	0.23													
95	8.45	8.85	10.3	11.3	12.6													
100	26.8	28.6	31.1	33.8	36.1													
105	53.0	55.2	58.2	61.3	64.0													
110	81.4	83.6	86.7	90.0	92.9													
115	110	113	116	119	122													
120	138	141	143	147	150													
125	165	167	170	173	176													
130	190	192	195	198	201													
135	214	216	218	221	223													
140	235	237	239	242	244													
145	255	257	259	261	263													
150	272	274	275	278	279													
155	288	289	290	292	293													
160	301	301	302	304	305													
165	311	312	313	314	314													
170	319	319	319	320	320													
175	323	324	324	324	324													
180	325	325	325	325	325													

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.1DEG  
 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: 44.3%  
 Test Distance: 2.500m [K=4.0000]  
 Remarks: