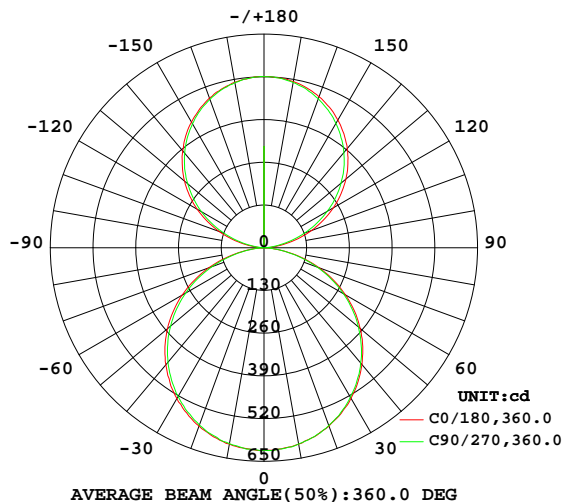


LUMINAIRE PHOTOMETRIC TEST REPORT

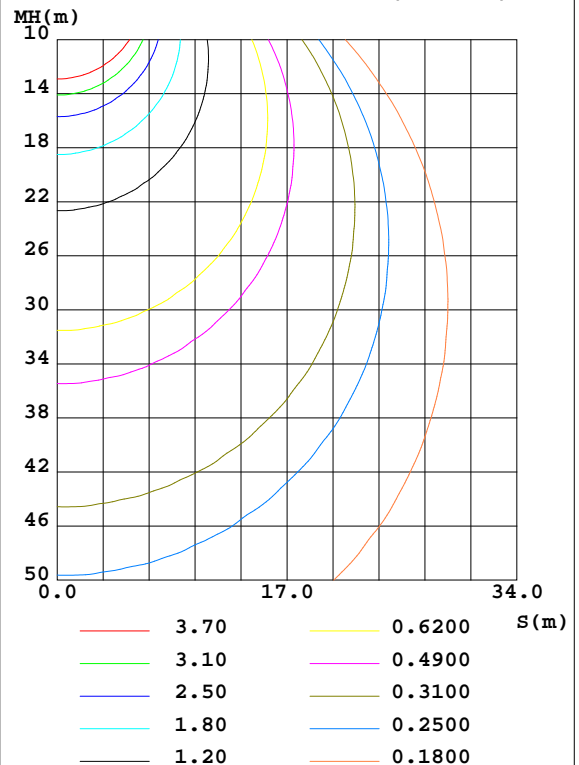
Test:U:120.00V I:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	MEASUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.49 lm/W			
MODEL	152025W27-3545K-W	I _{max} (cd)	618.0	S/MH(C0/180)	1.28
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	3266.4	η UP,DN(C0-180)	22.7,27.5
NOMINAL FLUX(lm)	3266.41	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	22.5,27.3
LAMPS INSIDE	1	η up(%)	45.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	54.8	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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	606.8	608.0	606.5	607.7	606.5	606.3	605.2	606.5	0- 10	58.39	58.39	1.79,1.79
20	577.8	578.1	576.1	577.0	577.3	574.8	574.4	576.2	10- 20	167.7	226.1	6.92,6.92
30	529.3	527.8	525.5	528.1	529.8	525.0	522.6	525.9	20- 30	255.4	481.5	14.7,14.7
40	464.2	461.7	457.4	461.5	464.9	459.2	455.1	459.4	30- 40	310.2	791.7	24.2,24.2
50	382.6	379.3	375.3	378.7	383.3	376.8	370.9	377.5	40- 50	324.8	1117	34.2,34.2
60	285.9	283.4	279.1	282.4	287.4	280.6	274.8	281.5	50- 60	296.2	1413	43.3,43.3
70	178.6	175.7	172.2	174.6	178.9	172.5	167.9	172.7	60- 70	226.2	1639	50.2,50.2
80	66.62	66.20	63.99	65.02	67.78	64.34	61.45	64.27	70- 80	125.2	1764	54,54
90	0.2134	0.2622	0.2672	0.1983	0.2992	0.2649	0.3115	0.3211	80- 90	27.21	1791	54.8,54.8
100	60.54	51.84	43.51	47.30	54.78	46.48	42.11	50.22	90-100	20.45	1812	55.5,55.5
110	153.5	142.1	131.5	135.4	144.7	134.3	129.7	140.0	100-110	98.25	1910	58.5,58.5
120	244.4	232.7	222.0	224.9	234.6	223.7	220.3	230.3	110-120	182.2	2092	64.1,64.1
130	325.8	315.4	306.0	307.9	315.3	306.1	302.9	312.8	120-130	242.5	2335	71.5,71.5
140	394.3	386.5	378.3	379.7	385.1	377.7	375.4	384.2	130-140	268.8	2604	79.7,79.7
150	449.6	444.5	437.4	439.0	441.7	437.2	435.7	442.1	140-150	258.5	2862	87.6,87.6
160	489.4	486.0	482.7	481.5	485.1	480.9	480.6	485.2	150-160	214.0	3076	94.2,94.2
170	513.9	513.5	510.7	510.6	511.6	509.6	510.3	511.9	160-170	141.1	3217	98.5,98.5
180	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	170-180	49.27	3266	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 954.99 lm

%lum = 29.2%

%lamp = 29.2%

Conical surface Flux(120deg): 1412.8 lm

%lum = 43.3%

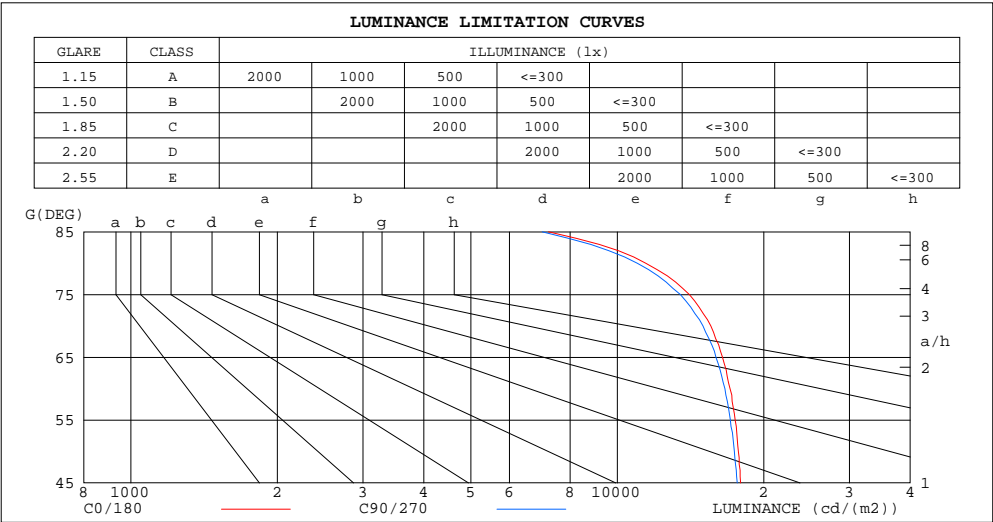
%lamp = 43.3%

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

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:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 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	7222	7011
80	11434	10984
75	14066	13475
70	15564	15003
65	16451	15948
60	17044	16641
55	17468	17070
50	17740	17401
45	17918	17639

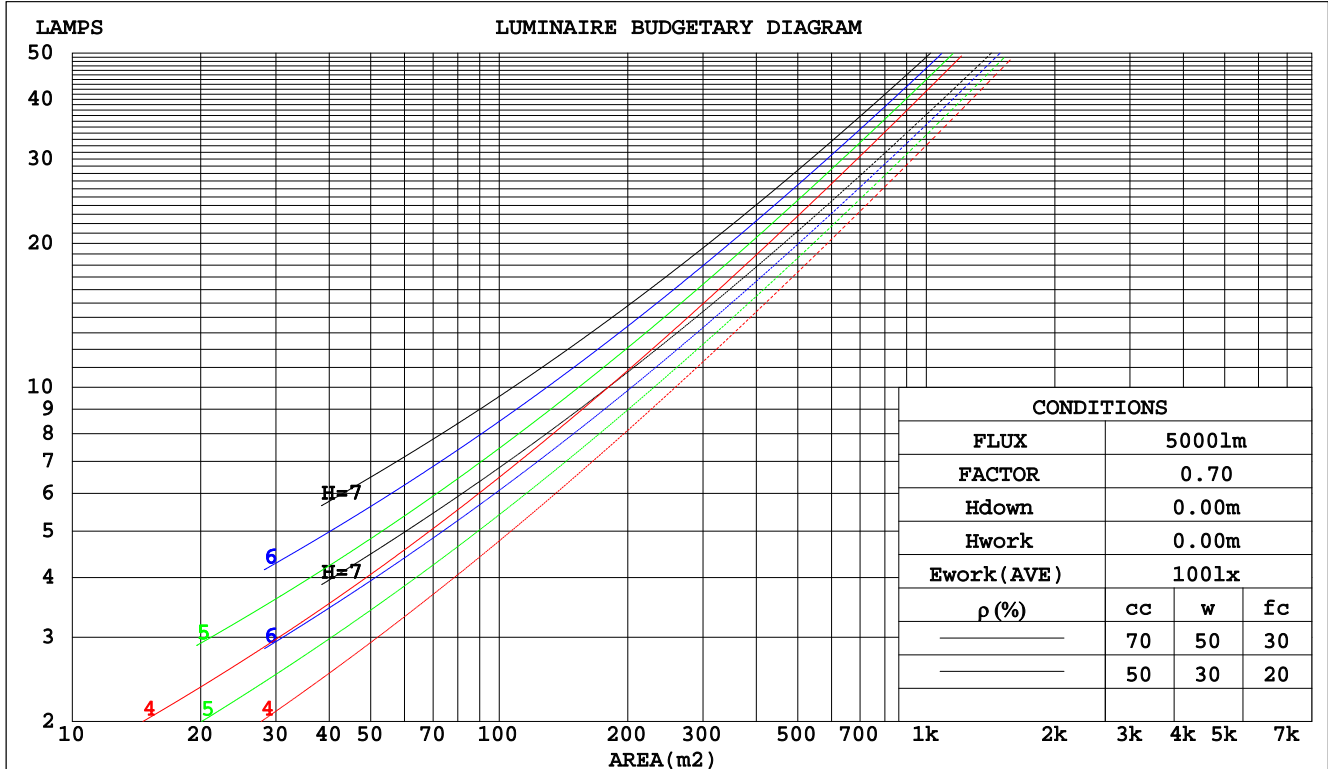
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:24 June 2023

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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 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	.55	.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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 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	.535	.535	.535	.457	.457	.457	.312	.312	.312	.179	.179	.179	.057	.057	.057	
1.0	.525	.503	.483	.450	.432	.416	.308	.297	.288	.177	.172	.167	.057	.055	.054	
2.0	.518	.481	.450	.444	.414	.389	.304	.287	.272	.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	.392	.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	.049	
6.0	.491	.436	.397	.422	.378	.345	.291	.264	.244	.169	.156	.145	.055	.051	.048	
7.0	.485	.430	.391	.418	.373	.341	.288	.261	.242	.168	.154	.144	.054	.050	.048	
8.0	.480	.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	.281	.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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 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	2H	20.1	21.0	20.9	21.9	22.9	19.9	20.9	20.7	21.7	22.7
	3H	21.5	22.4	22.3	23.2	24.3	21.3	22.2	22.2	23.1	24.1
	4H	22.0	22.9	22.9	23.7	24.8	21.8	22.7	22.7	23.5	24.6
	6H	22.3	23.1	23.2	24.0	25.1	22.1	22.9	23.0	23.8	24.9
	8H	22.4	23.1	23.3	24.0	25.1	22.2	22.9	23.1	23.8	24.9
	12H	22.4	23.1	23.3	24.0	25.1	22.2	22.9	23.0	23.8	24.9
4H	2H	20.5	21.3	21.4	22.2	23.3	20.4	21.2	21.3	22.1	23.2
	3H	22.1	22.8	23.0	23.7	24.8	22.0	22.7	22.8	23.6	24.7
	4H	22.7	23.4	23.6	24.3	25.4	22.6	23.2	23.5	24.1	25.3
	6H	23.1	23.7	24.1	24.6	25.8	22.9	23.5	23.9	24.4	25.6
	8H	23.2	23.7	24.2	24.7	25.9	23.0	23.5	24.0	24.5	25.7
	12H	23.2	23.7	24.2	24.6	25.8	23.0	23.5	24.0	24.4	25.6
8H	4H	22.8	23.4	23.8	24.3	25.5	22.7	23.2	23.6	24.1	25.3
	6H	23.4	23.8	24.3	24.7	26.0	23.2	23.6	24.2	24.6	25.8
	8H	23.5	23.9	24.5	24.8	26.1	23.3	23.7	24.3	24.7	25.9
	12H	23.5	23.8	24.5	24.8	26.1	23.4	23.7	24.3	24.7	25.9
12H	4H	22.8	23.3	23.8	24.2	25.4	22.7	23.1	23.6	24.1	25.3
	6H	23.3	23.7	24.3	24.7	25.9	23.2	23.5	24.2	24.5	25.8
	8H	23.5	23.8	24.5	24.8	26.1	23.3	23.6	24.3	24.6	25.9
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, 3266 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.1$)
Area: 0.03355 m2

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:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

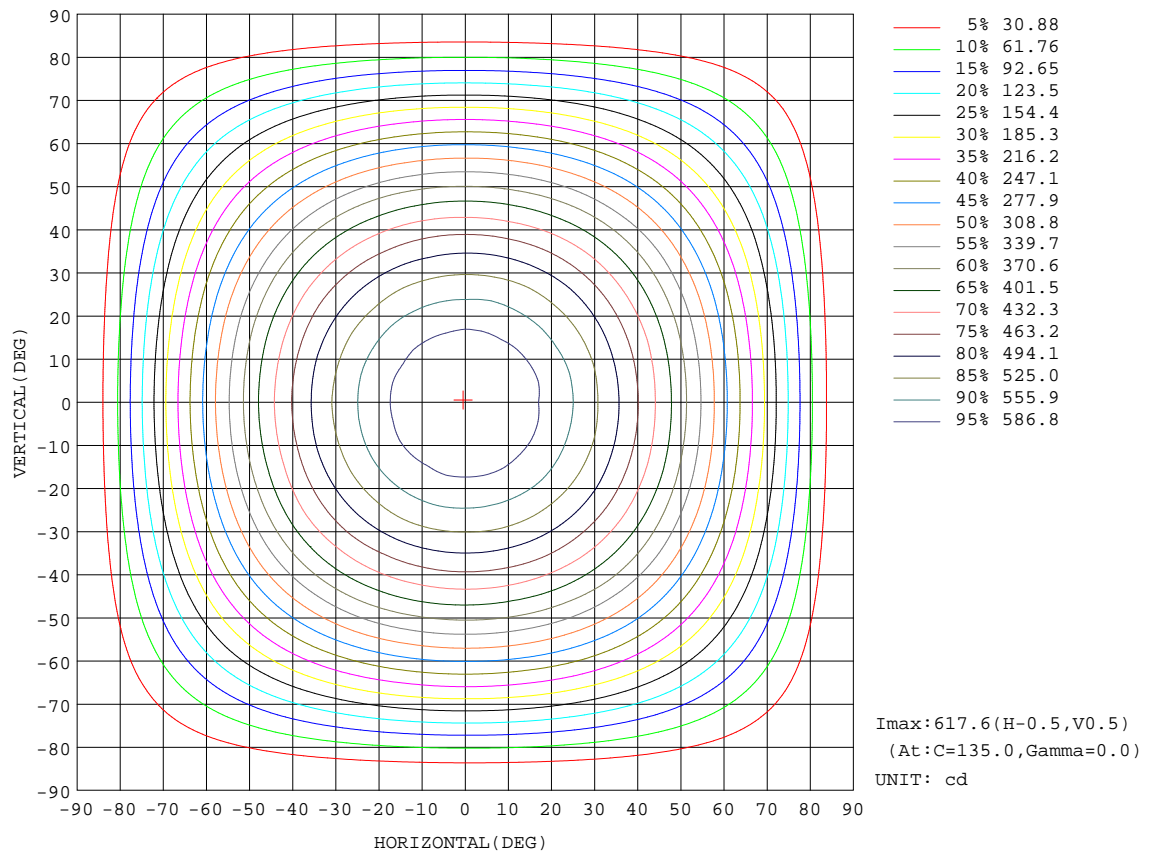
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	34	28	43	33	27	39	30	25	17
0.80	55	43	36	52	41	35	46	38	32	22
1.00	62	51	44	59	49	42	52	45	39	27
1.25	69	58	51	65	56	49	57	50	44	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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:



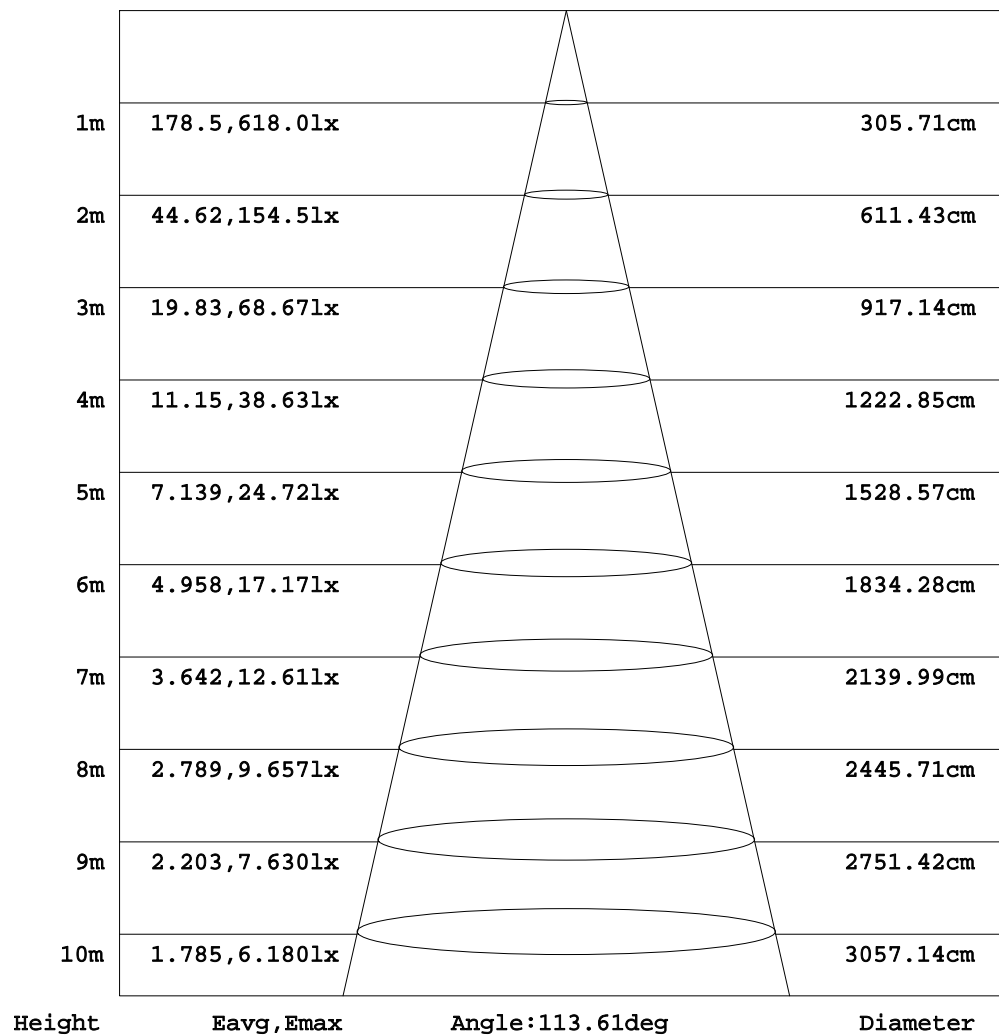
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 24 June 2023

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:

AAI Figure

Test:U:120.00V I:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Flux out:1329 lm



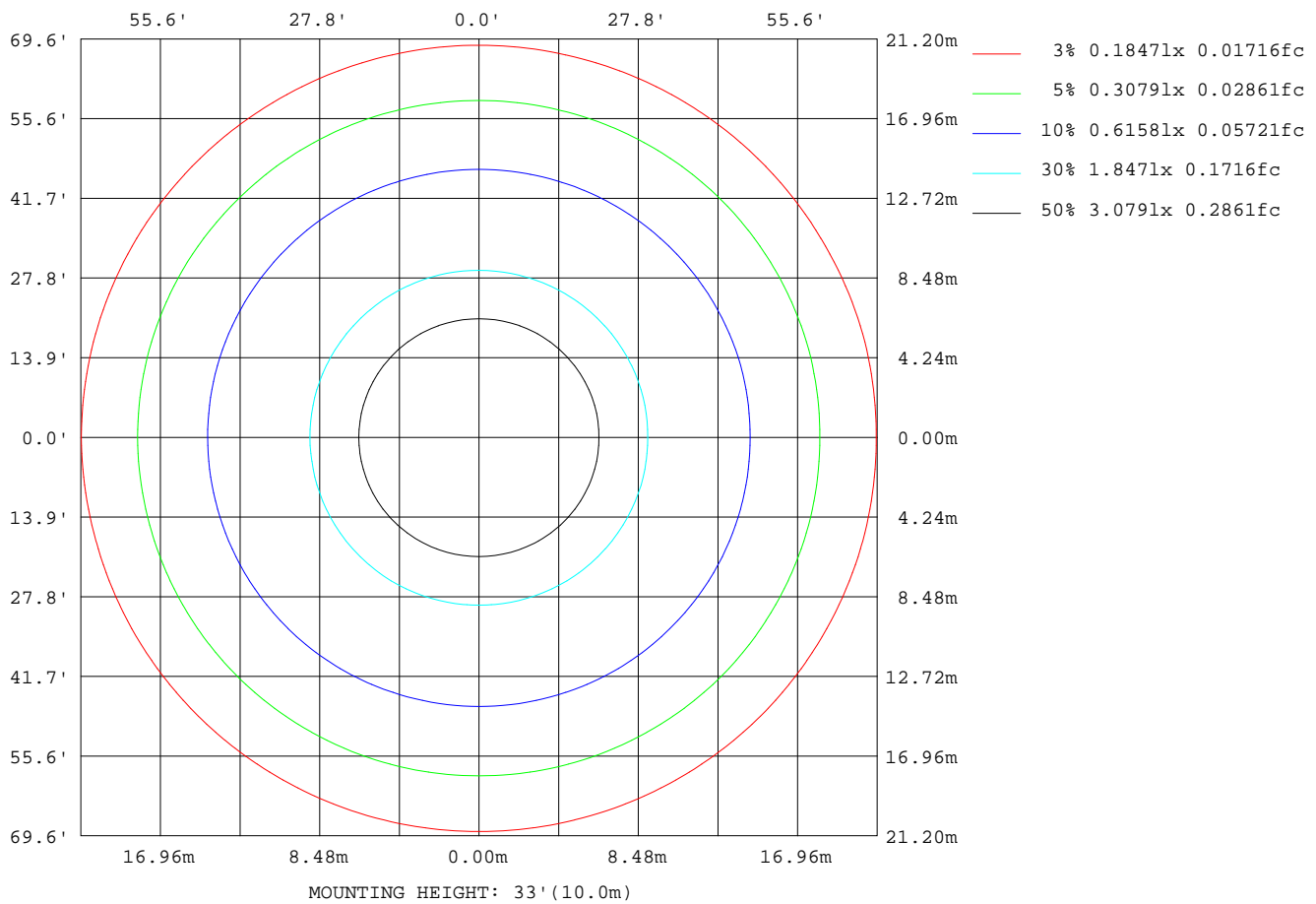
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 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

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:

LED Avg.L Report

Test:U:120.00V I:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

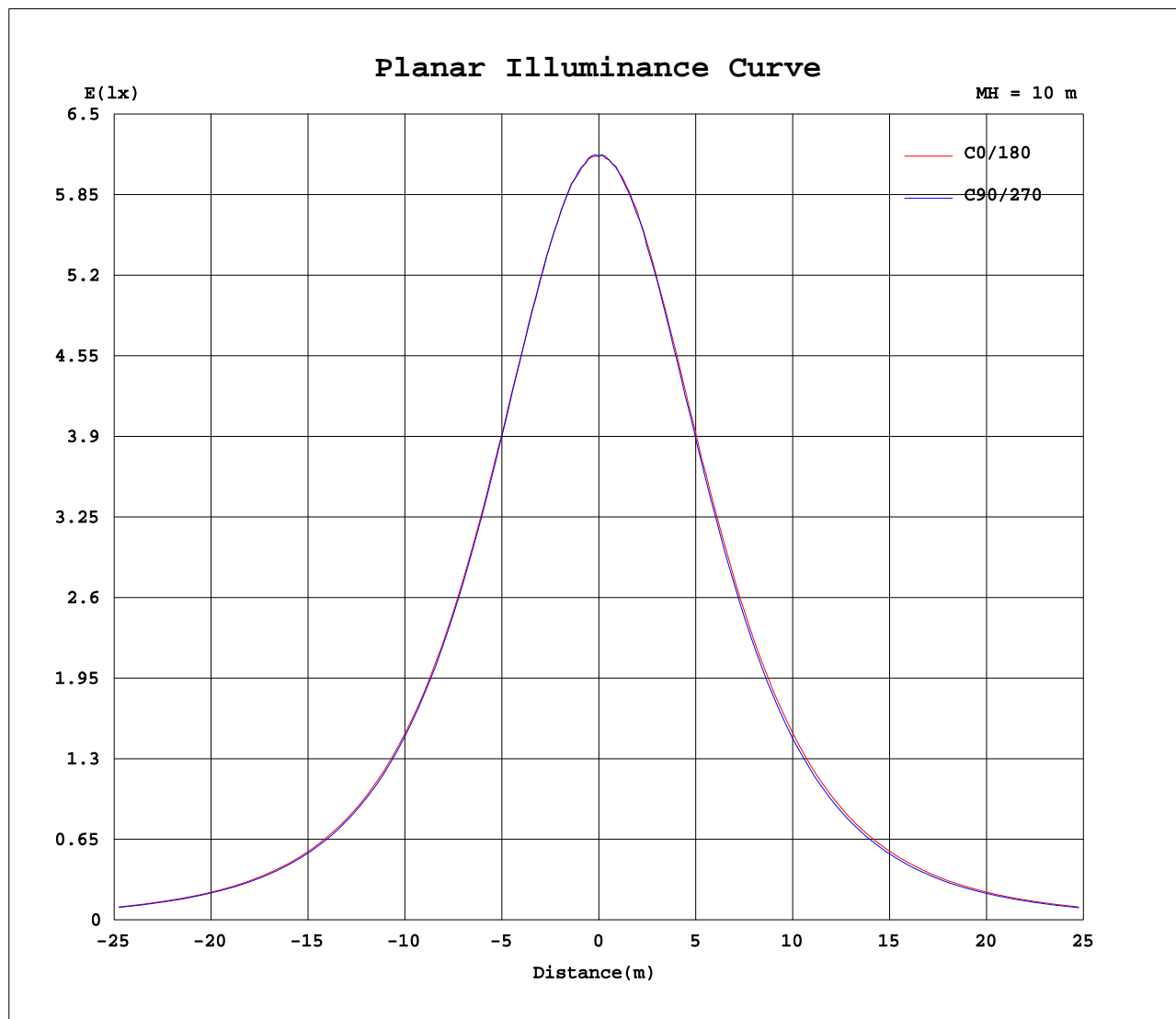
AvgL	cd/m2
L_0~180(65)av	16475
L_0~180(75)av	14080
L_0~180(85)av	7553
L_90~270(65)av	15812
L_90~270(75)av	13266
L_90~270(85)av	7021
L_45(65)av	16126
L_45(75)av	13638
L_45(85)av	7263

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

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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 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	616	616	616	617	616	617	616	617	617	618	615	616	616	616	616	617	616	617	616
5	614	615	615	615	615	616	614	615	615	615	614	614	614	615	613	613	614	614	615
10	607	606	607	608	606	607	607	608	607	608	607	607	606	607	606	606	606	606	605
15	595	596	594	595	595	594	595	594	594	594	594	595	595	594	593	593	593	593	592
20	578	577	578	578	577	577	576	577	577	577	578	578	577	577	577	575	575	575	574
25	556	556	556	556	555	553	553	554	555	555	556	556	555	555	554	553	552	551	551
30	529	531	530	528	528	527	526	526	528	528	529	529	530	529	527	525	524	522	523
35	499	499	498	497	496	494	494	494	495	497	498	499	499	498	497	494	492	491	491
40	464	464	463	462	460	459	457	459	459	461	463	464	465	464	463	459	456	455	455
45	425	426	425	423	421	419	418	419	420	422	424	425	426	425	423	419	417	416	414
50	383	383	381	379	377	376	375	376	378	379	381	383	383	383	381	377	375	372	371
55	336	336	335	333	332	329	328	328	331	333	335	336	337	336	334	331	328	326	325
60	286	286	285	283	282	280	279	280	281	282	285	285	287	286	284	281	278	276	275
65	233	234	232	231	229	227	226	227	227	230	231	232	234	233	230	227	224	223	222
70	179	179	178	176	174	173	172	172	173	175	176	177	179	178	175	173	170	168	168
75	122	122	121	120	119	118	117	117	118	119	119	120	122	121	119	117	115	114	113
80	66.6	67.3	66.9	66.2	65.5	64.6	64.0	63.9	64.4	65.0	65.6	65.9	67.8	67.0	66.0	64.3	62.9	61.9	61.4
85	21.1	21.7	21.9	21.4	21.1	20.6	20.5	20.2	20.4	20.6	20.9	20.9	23.1	22.6	22.1	21.5	21.0	20.7	20.6
90	0.21	0.32	0.29	0.26	0.24	0.23	0.27	0.22	0.20	0.20	0.21	0.20	0.30	0.24	0.26	0.26	0.28	0.29	0.31
95	21.1	21.8	19.6	16.5	14.3	12.5	11.7	11.6	12.6	14.2	15.6	18.0	18.2	17.0	15.6	14.1	12.4	11.7	11.7
100	60.5	59.8	56.3	51.8	47.7	44.9	43.5	43.4	44.8	47.3	50.7	53.5	54.8	52.5	49.8	46.5	43.7	42.3	42.1
105	107	105	101	95.9	91.1	87.7	85.9	85.6	87.5	90.1	93.6	96.8	99.1	96.8	92.5	88.8	85.7	84.0	83.8
110	154	151	147	142	137	134	132	131	133	135	139	142	145	142	138	134	131	129	130
115	199	198	193	188	183	180	178	177	178	181	184	188	190	187	183	179	177	175	175
120	244	242	237	233	228	225	222	222	223	225	228	232	235	232	227	224	221	220	220
125	286	284	280	276	272	268	266	265	266	268	271	275	276	273	269	266	263	263	263
130	326	324	320	315	312	309	306	306	306	308	311	313	315	312	309	306	304	303	303
135	361	360	357	352	348	346	344	343	344	345	348	350	352	349	346	344	341	341	342
140	394	393	390	387	383	380	378	378	378	380	381	383	385	383	380	378	376	376	375
145	424	423	419	417	413	412	409	409	409	410	413	414	416	413	410	408	407	407	408
150	450	448	446	445	442	440	437	437	438	439	439	441	442	440	438	437	436	436	436
155	472	471	469	467	465	464	462	462	461	462	463	464	465	463	462	461	460	461	460
160	489	490	487	486	485	483	483	482	482	482	483	483	485	483	482	481	481	480	481
165	504	504	502	502	501	500	500	499	499	499	498	500	500	499	498	497	498	497	498
170	514	513	513	513	512	511	511	511	510	511	511	511	512	510	510	510	510	509	510
175	519	520	520	518	519	518	519	518	518	518	518	518	518	518	518	518	518	518	518
180	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521

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:0.2139A P:25.620W PF:0.9981 Freq:60.00Hz Lamp Flux:3266.41x1 lm					
NAME:			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED			SUR.:		Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	617	617	618	615	616													
5	614	615	614	613	615													
10	607	606	607	607	608													
15	593	592	593	594	595													
20	575	575	576	577	576													
25	551	551	553	554	556													
30	524	525	526	528	530													
35	492	493	495	496	498													
40	454	457	459	461	463													
45	415	418	421	423	425													
50	372	374	378	381	384													
55	325	327	330	334	337													
60	275	278	281	285	287													
65	222	224	227	229	234													
70	168	170	173	176	178													
75	114	115	117	119	122													
80	61.8	62.8	64.3	65.9	67.6													
85	20.6	20.9	21.4	22.0	22.8													
90	0.29	0.29	0.32	0.36	0.37													
95	12.4	13.9	16.2	18.4	20.6													
100	43.7	46.3	50.2	54.7	58.3													
105	85.7	89.1	93.9	98.9	103													
110	131	135	140	145	150													
115	177	181	185	191	196													
120	222	226	230	235	241													
125	264	268	273	278	283													
130	305	309	313	318	322													
135	343	346	350	355	359													
140	377	381	384	388	392													
145	409	412	415	418	422													
150	437	440	442	445	448													
155	461	463	466	467	470													
160	482	484	485	487	489													
165	499	500	501	502	503													
170	512	512	512	513	513													
175	519	518	518	520	519													
180	521	521	521	521	521													

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: