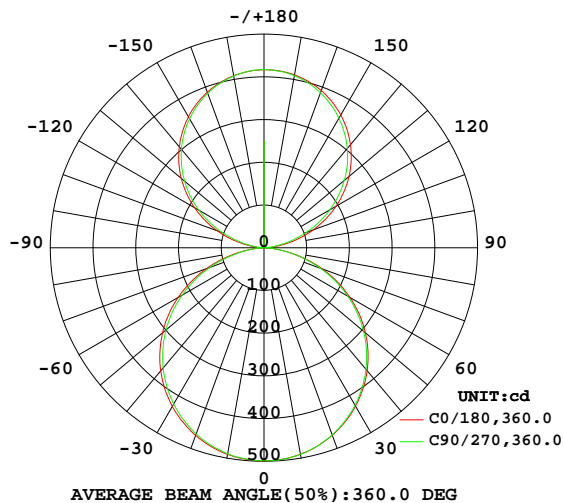


LUMINAIRE PHOTOMETRIC TEST REPORT

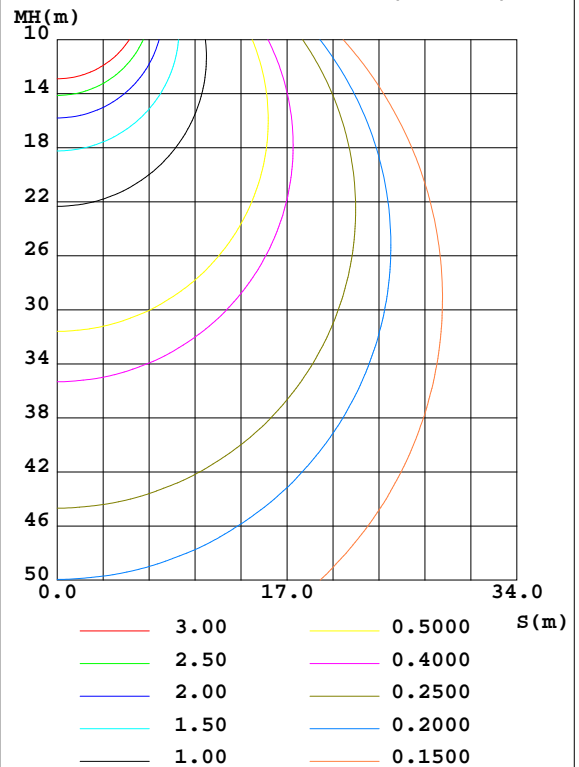
Test:U:120.00V I:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	MEASUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.06 lm/W			
MODEL	152025W27-3545K-W	I _{max} (cd)	499.2	S/MH(C0/180)	1.28
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	2629.1	η UP,DN(C0-180)	22.6,27.7
NOMINAL FLUX(lm)	2629.07	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	22.3,27.4
LAMPS INSIDE	1	η up(%)	44.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	55.1	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	490.6	491.2	491.1	491.4	491.0	490.3	489.6	490.4	0- 10	47.23	47.23	1.8,1.8
20	467.2	467.4	466.5	467.1	467.5	465.2	463.7	465.4	10- 20	135.6	182.9	6.96,6.96
30	428.1	427.6	425.9	427.7	429.2	425.0	422.7	425.1	20- 30	206.6	389.5	14.8,14.8
40	375.8	374.3	371.5	374.1	376.2	371.3	367.2	371.3	30- 40	251.0	640.4	24.4,24.4
50	310.1	307.8	304.3	307.3	310.2	304.8	299.6	304.7	40- 50	262.8	903.2	34.4,34.4
60	232.0	230.1	226.4	229.4	231.7	225.5	221.0	225.5	50- 60	239.6	1143	43.5,43.5
70	145.4	143.3	139.9	142.3	143.8	138.7	134.9	138.7	60- 70	182.8	1326	50.4,50.4
80	54.98	54.52	52.58	53.36	54.23	51.37	49.11	51.19	70- 80	101.3	1427	54.3,54.3
90	0.1902	0.2237	0.2326	0.1801	0.2075	0.1916	0.2267	0.2322	80- 90	21.94	1449	55.1,55.1
100	48.07	41.82	35.11	38.18	44.26	36.76	33.48	39.82	90-100	16.37	1465	55.7,55.7
110	122.4	114.0	105.7	108.8	116.3	108.7	103.3	111.6	100-110	78.58	1544	58.7,58.7
120	194.9	186.5	178.6	180.7	187.7	178.4	175.9	184.0	110-120	145.8	1690	64.3,64.3
130	260.0	252.8	245.3	246.8	253.2	244.5	242.6	250.1	120-130	193.8	1883	71.6,71.6
140	314.9	309.6	303.6	304.0	308.6	301.8	300.9	307.2	130-140	215.1	2099	79.8,79.8
150	359.6	355.1	350.8	350.7	354.2	349.2	348.9	353.6	140-150	206.9	2305	87.7,87.7
160	391.9	389.1	386.4	386.1	387.8	384.8	385.2	388.3	150-160	171.3	2477	94.2,94.2
170	411.0	410.5	408.9	408.9	408.9	408.0	408.3	409.7	160-170	112.9	2590	98.5,98.5
180	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	170-180	39.43	2629	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 772.52 lm

%lum = 29.4%

%lamp = 29.4%

Conical surface Flux(120deg): 1142.8 lm

%lum = 43.5%

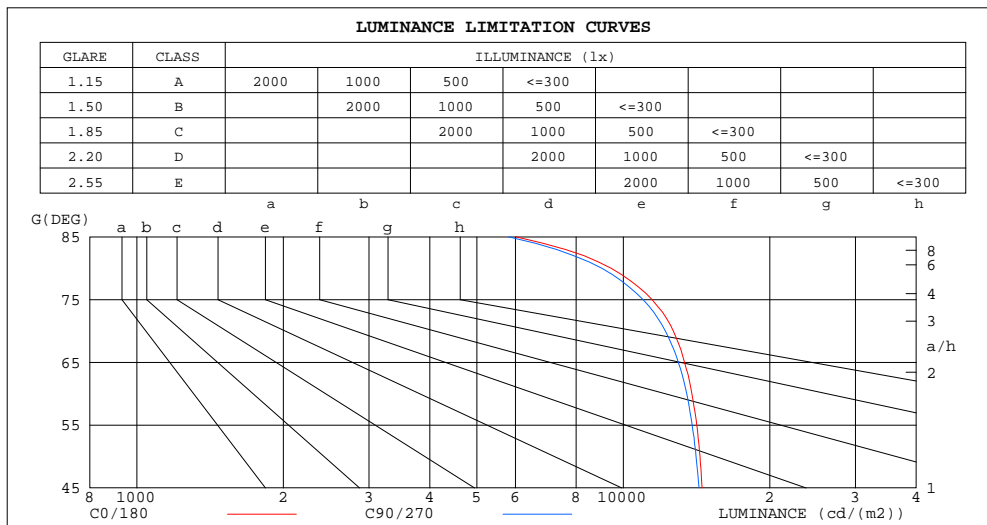
%lamp = 43.5%

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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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	6021	5808
80	9436	9025
75	11455	10981
70	12667	12194
65	13360	12971
60	13833	13498
55	14163	13850
50	14380	14109
45	14517	14306

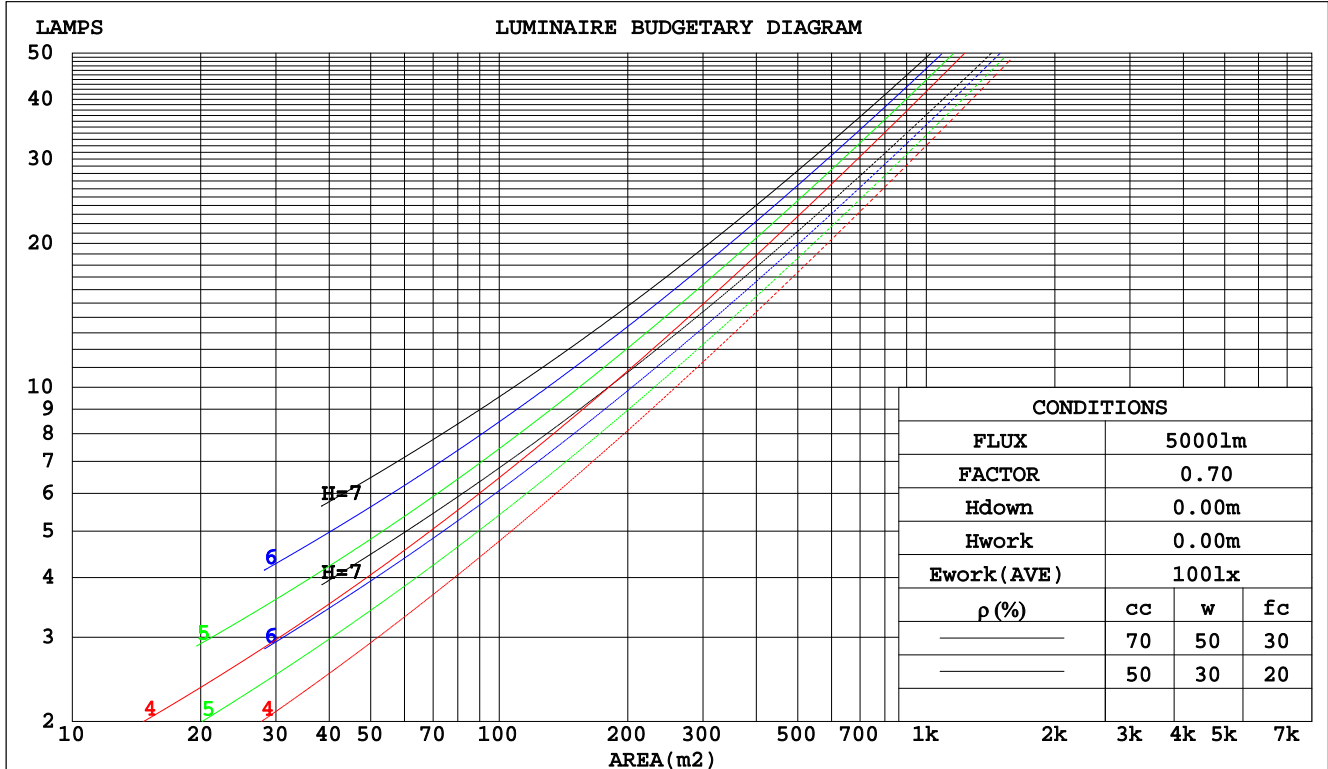
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 24 June 2023

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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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	.71	.64	.62	.61	.54	.52	.51	.46
2.0	.82	.76	.71	.77	.71	.66	.66	.62	.58	.56	.53	.50	.47	.45	.43	.38
3.0	.72	.65	.59	.67	.61	.55	.58	.53	.49	.49	.45	.42	.41	.39	.36	.32
4.0	.64	.56	.49	.59	.52	.47	.51	.46	.41	.44	.39	.36	.37	.34	.31	.27
5.0	.57	.48	.42	.53	.45	.40	.46	.40	.35	.39	.35	.31	.33	.30	.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	.24	.21	.18
8.0	.41	.34	.28	.39	.32	.27	.34	.28	.24	.29	.25	.21	.25	.21	.19	.16
9.0	.38	.30	.25	.36	.29	.24	.31	.25	.21	.27	.22	.19	.23	.19	.17	.15
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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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	.226	.129	.041	.190	.110	.035	.158	.091	.029	
2.0	.267	.146	.045	.248	.137	.042	.213	.118	.037	.181	.101	.032	.151	.085	.027	
3.0	.247	.131	.039	.230	.123	.037	.198	.107	.033	.168	.092	.028	.141	.078	.024	
4.0	.228	.119	.035	.213	.111	.033	.183	.097	.029	.156	.084	.025	.131	.071	.022	
5.0	.212	.108	.031	.197	.101	.029	.170	.089	.026	.145	.077	.023	.122	.065	.020	
6.0	.197	.099	.028	.183	.093	.027	.159	.081	.024	.135	.070	.021	.113	.060	.018	
7.0	.183	.091	.026	.171	.085	.024	.148	.075	.022	.126	.065	.019	.106	.055	.016	
8.0	.172	.084	.024	.160	.079	.022	.139	.069	.020	.119	.060	.017	.100	.051	.015	
9.0	.161	.078	.022	.150	.073	.021	.130	.064	.018	.112	.056	.016	.094	.048	.014	
10.0	.151	.073	.020	.142	.068	.019	.123	.060	.017	.105	.052	.015	.089	.045	.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	.533	.533	.533	.455	.455	.455	.311	.311	.311	.178	.178	.178	.057	.057	.057	
1.0	.523	.501	.481	.448	.430	.414	.306	.296	.286	.176	.171	.167	.056	.055	.054	
2.0	.516	.479	.448	.442	.412	.387	.303	.285	.270	.175	.166	.158	.056	.054	.052	
3.0	.509	.463	.427	.436	.400	.370	.300	.278	.259	.173	.162	.153	.056	.053	.050	
4.0	.502	.451	.412	.431	.390	.358	.296	.272	.252	.171	.159	.149	.055	.052	.049	
5.0	.496	.442	.402	.426	.382	.350	.293	.267	.247	.170	.157	.146	.055	.051	.048	
6.0	.489	.434	.394	.421	.376	.343	.290	.263	.243	.168	.155	.144	.054	.051	.048	
7.0	.483	.428	.389	.416	.371	.339	.287	.260	.240	.167	.153	.143	.054	.050	.047	
8.0	.478	.423	.385	.411	.367	.336	.284	.257	.238	.165	.152	.142	.054	.050	.047	
9.0	.472	.418	.382	.407	.363	.333	.282	.255	.236	.164	.151	.141	.053	.049	.047	
10.0	.467	.414	.379	.403	.360	.331	.279	.253	.235	.163	.150	.140	.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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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	19.4	20.4	20.2	21.2	22.2	19.2	20.2	20.0	21.0	22.1	
	3H	20.8	21.7	21.6	22.5	23.6	20.7	21.5	21.5	22.4	23.4
	4H	21.3	22.2	22.2	23.0	24.1	21.2	22.0	22.0	22.9	23.9
	6H	21.7	22.4	22.5	23.3	24.4	21.5	22.2	22.3	23.1	24.2
	8H	21.7	22.5	22.6	23.3	24.4	21.5	22.3	22.4	23.1	24.2
	12H	21.7	22.4	22.6	23.3	24.4	21.5	22.2	22.4	23.1	24.2
4H	2H	19.8	20.6	20.7	21.5	22.6	19.7	20.6	20.6	21.4	22.5
	3H	21.4	22.1	22.3	23.0	24.1	21.3	22.0	22.2	22.9	24.0
	4H	22.1	22.7	23.0	23.6	24.7	21.9	22.5	22.8	23.4	24.6
	6H	22.5	23.0	23.4	23.9	25.1	22.3	22.8	23.2	23.8	24.9
	8H	22.5	23.1	23.5	24.0	25.2	22.4	22.9	23.3	23.8	25.0
	12H	22.6	23.0	23.5	24.0	25.2	22.4	22.8	23.3	23.8	25.0
8H	4H	22.2	22.7	23.1	23.6	24.8	22.0	22.5	23.0	23.5	24.7
	6H	22.7	23.1	23.7	24.1	25.3	22.5	22.9	23.5	23.9	25.1
	8H	22.8	23.2	23.8	24.2	25.4	22.7	23.0	23.6	24.0	25.2
	12H	22.9	23.2	23.9	24.2	25.4	22.7	23.0	23.7	24.0	25.3
12H	4H	22.1	22.6	23.1	23.5	24.7	22.0	22.5	22.9	23.4	24.6
	6H	22.7	23.0	23.7	24.0	25.3	22.5	22.9	23.5	23.9	25.1
	8H	22.8	23.2	23.8	24.1	25.4	22.7	23.0	23.7	24.0	25.2
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, 2629 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.4$)
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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

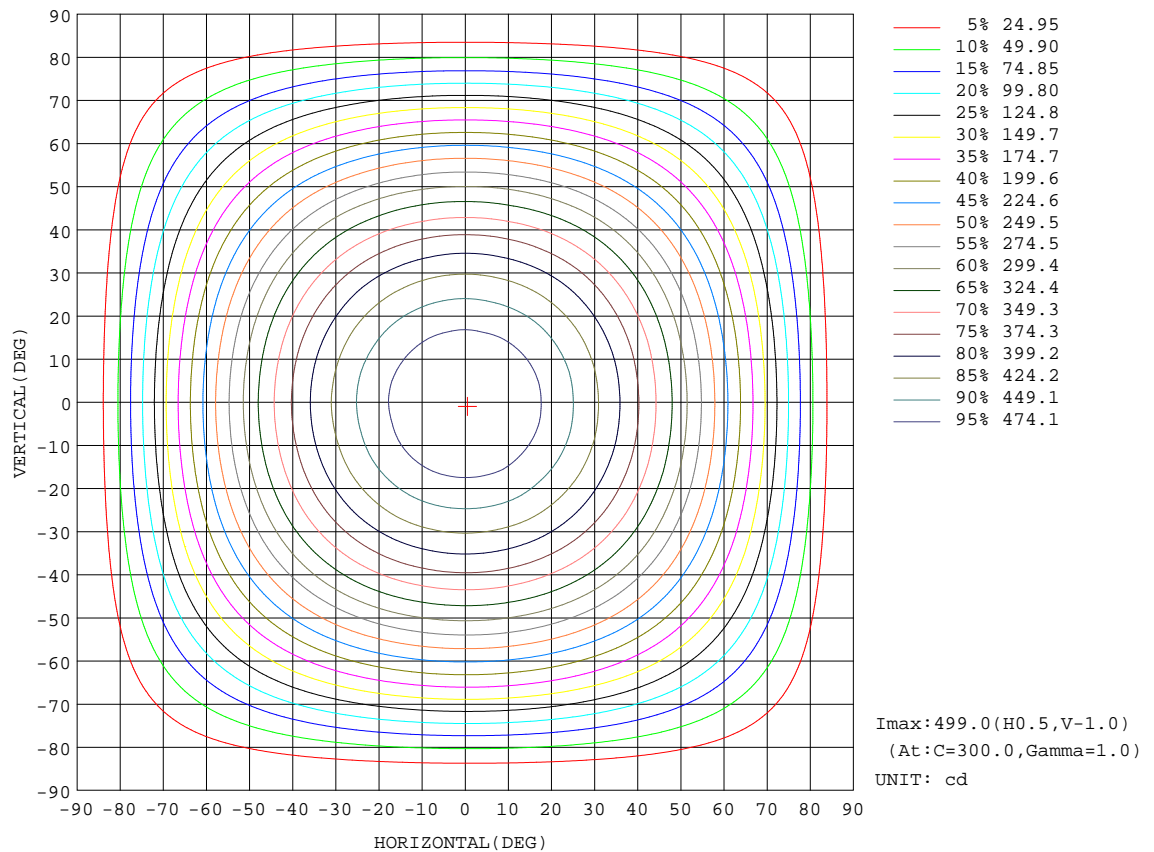
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	34	28	43	33	27	39	30	25	18
0.80	55	43	36	52	41	35	46	38	32	22
1.00	63	51	44	59	49	42	52	45	39	27
1.25	70	59	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	77	68	62	67	61	56	38
2.50	86	78	71	80	73	68	70	64	60	41
3.00	90	82	76	84	77	72	72	68	64	43
4.00	94	88	83	88	82	78	76	72	68	46
5.00	97	91	87	90	86	82	78	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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:



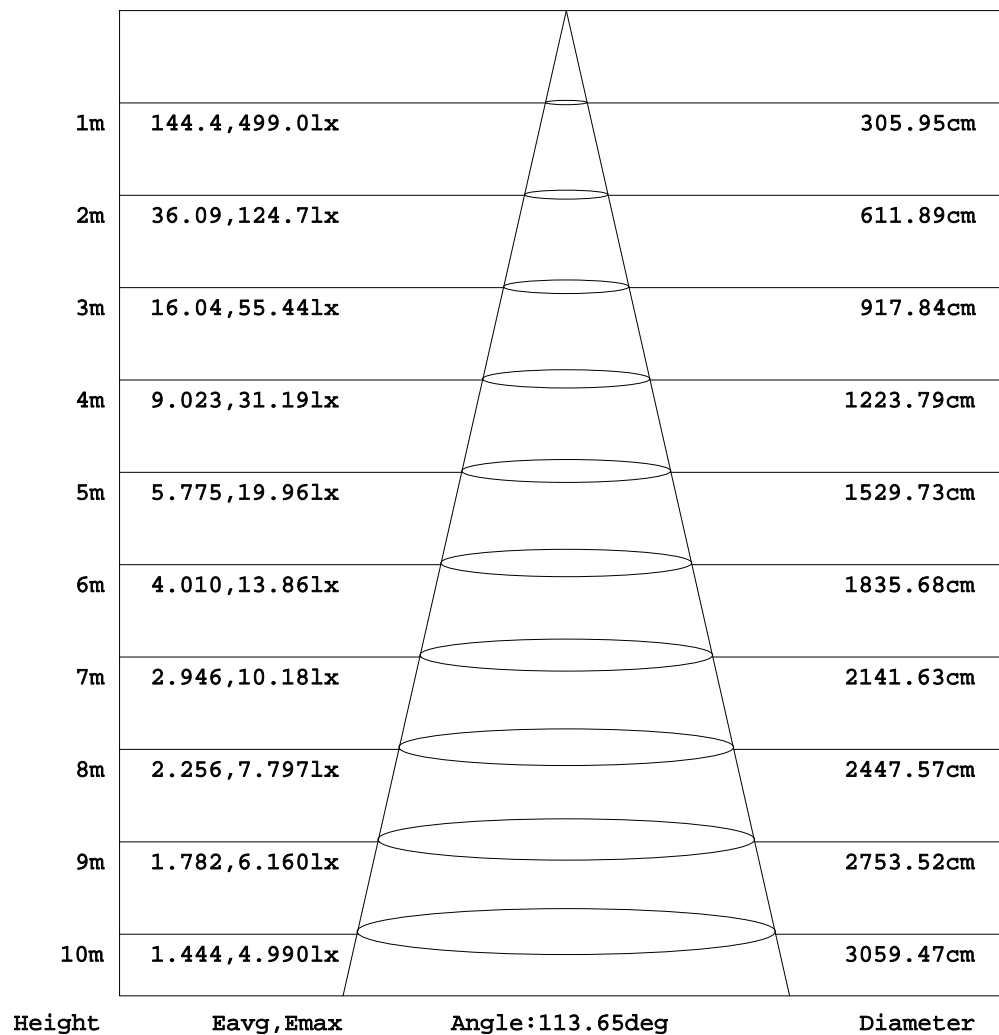
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 24 June 2023

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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTOELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

Flux out:1075 lm



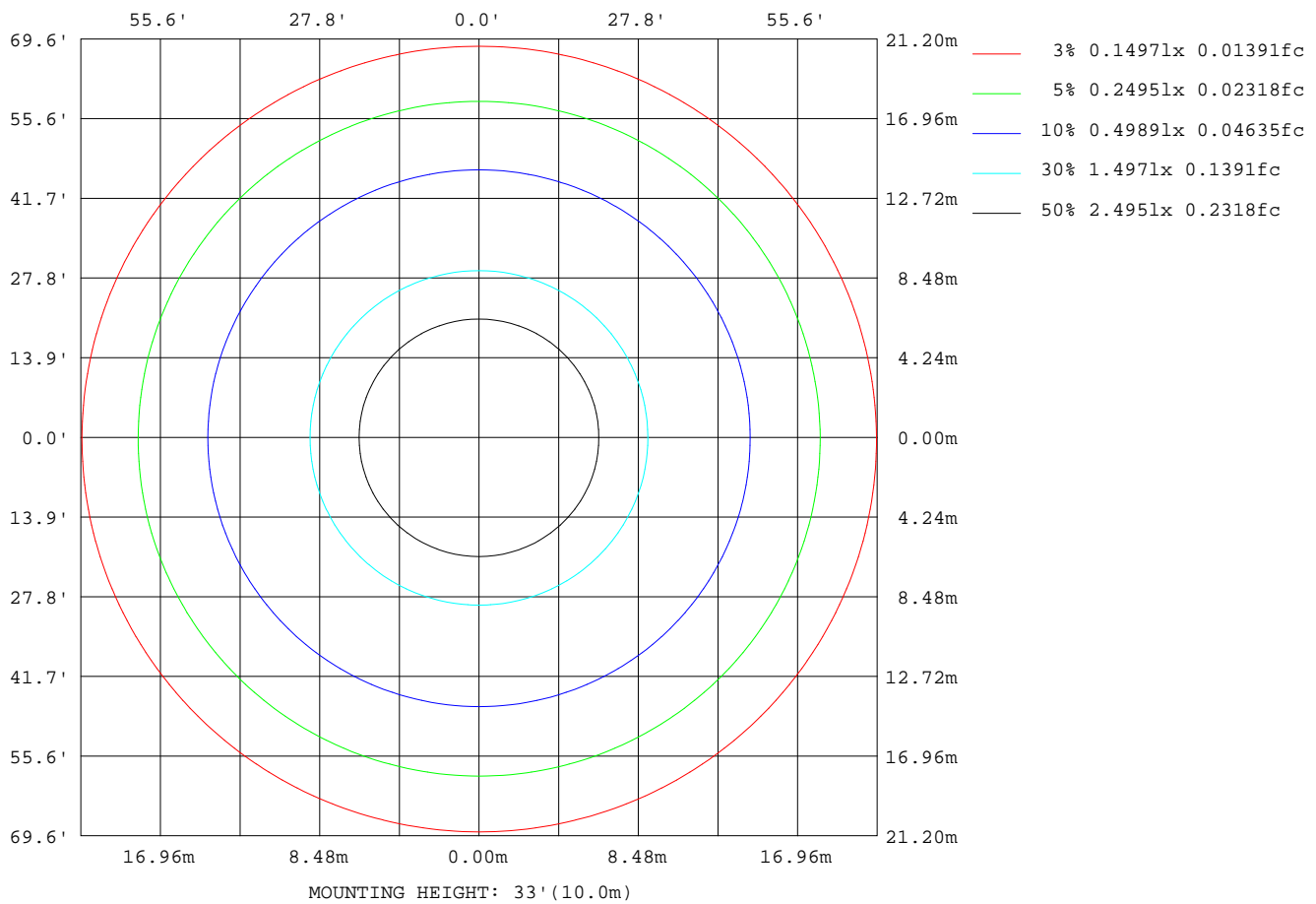
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WISDOM OPTPELECTRONICS TECHNOLOGY CO.,LIMITED	ESUR.:	Shielding Angle:

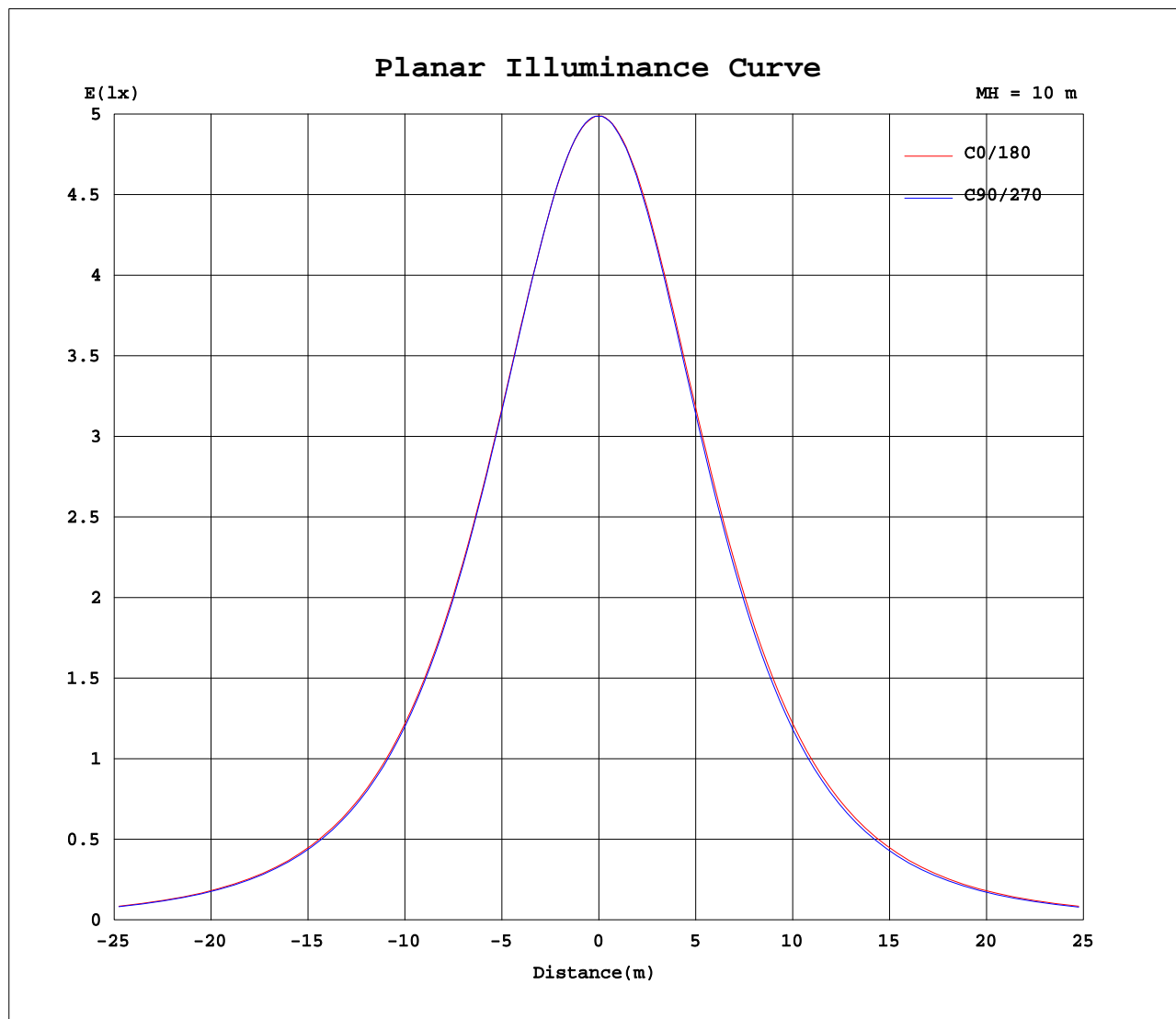
AvgL	cd/m2
L_0~180(65)av	13324
L_0~180(75)av	11371
L_0~180(85)av	6111
L_90~270(65)av	12781
L_90~270(75)av	10715
L_90~270(85)av	5529
L_45(65)av	13048
L_45(75)av	11013
L_45(85)av	5758

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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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	499	499	499	499	499	499	498	498	499	499	499	498	499	499	499	499	499	499	498
5	497	497	497	497	497	498	497	497	498	497	497	497	497	497	497	497	496	497	496
10	491	491	491	491	492	491	491	491	492	491	491	491	491	491	490	490	490	490	490
15	481	481	481	481	481	481	481	481	482	481	481	481	482	481	480	480	479	479	479
20	467	468	467	467	467	467	466	466	467	467	468	467	467	467	466	465	465	464	464
25	449	450	450	449	449	448	448	448	449	449	450	450	450	450	448	447	446	446	445
30	428	429	429	428	427	426	426	426	427	428	429	428	429	428	427	425	424	423	423
35	404	404	404	403	402	401	400	400	401	402	403	404	404	403	402	400	398	396	397
40	376	376	375	374	373	372	372	371	373	374	375	376	376	375	373	371	369	368	367
45	344	345	344	342	341	340	339	339	341	342	344	344	345	344	341	339	337	335	335
50	310	310	309	308	306	305	304	304	306	307	309	310	310	309	307	305	302	300	300
55	273	273	272	270	268	267	267	267	268	270	271	272	272	271	269	267	264	262	262
60	232	233	232	230	228	227	226	227	228	229	231	232	232	230	228	226	223	221	221
65	189	190	189	187	186	184	184	184	185	187	188	189	188	188	185	183	181	179	179
70	145	146	145	143	142	141	140	140	141	142	143	144	144	143	141	139	137	135	135
75	99.5	99.9	99.2	97.8	96.7	95.8	95.4	95.3	96.0	96.8	97.4	97.9	98.0	97.2	95.6	94.0	92.3	91.2	90.7
80	55.0	55.1	55.0	54.5	53.8	53.2	52.6	52.5	52.9	53.4	53.8	54.1	54.2	53.6	52.4	51.4	50.1	49.4	49.1
85	17.6	18.1	18.2	17.9	17.5	17.2	17.0	16.9	16.9	17.2	17.3	17.3	18.1	17.8	16.5	16.2	15.7	15.4	15.4
90	0.19	0.29	0.24	0.22	0.20	0.20	0.23	0.19	0.17	0.18	0.18	0.18	0.21	0.19	0.18	0.19	0.20	0.22	0.23
95	16.6	17.1	15.2	13.4	11.6	10.1	9.52	9.52	10.3	11.6	12.7	14.0	14.2	13.3	12.2	11.0	10.7	10.2	10.2
100	48.1	48.1	45.4	41.8	38.5	36.2	35.1	35.0	36.1	38.2	40.9	43.1	44.3	41.8	39.5	36.8	34.6	33.5	33.5
105	84.5	84.1	81.0	77.1	73.3	70.5	69.0	68.9	70.2	72.5	75.3	77.9	79.6	76.4	73.4	70.6	68.1	66.9	66.8
110	122	121	118	114	110	107	106	105	107	109	112	114	116	113	110	109	105	103	103
115	159	158	155	151	147	144	142	142	143	145	148	151	153	150	146	143	141	140	140
120	195	194	190	186	183	180	179	178	179	181	183	186	188	185	181	178	177	176	176
125	228	228	224	220	217	214	212	212	213	214	217	219	221	218	215	212	211	210	210
130	260	260	257	253	250	247	245	245	245	247	249	251	253	250	247	244	243	242	243
135	289	288	285	282	280	277	276	275	275	277	278	280	282	279	276	274	273	272	273
140	315	315	312	310	307	305	304	303	303	304	305	307	309	306	304	302	301	300	301
145	339	339	336	334	332	330	328	328	328	329	330	332	333	330	328	327	326	326	326
150	360	360	358	355	354	352	351	350	350	351	352	353	354	352	350	349	349	348	349
155	377	377	376	374	373	371	370	370	369	370	371	371	373	371	369	369	368	368	368
160	392	392	391	389	389	387	386	386	386	386	387	387	388	387	386	385	385	385	385
165	403	403	403	402	401	400	400	399	399	399	399	399	400	399	398	398	398	398	399
170	411	411	411	410	410	409	409	409	409	409	409	409	409	409	408	408	408	408	408
175	416	416	415	415	416	416	415	415	415	415	415	415	414	414	414	414	415	415	415
180	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417

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:0.1679A P:20.060W PF:0.9956 Freq:60.00Hz Lamp Flux:2629.07x1 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	498	499	499	499	498													
5	496	497	497	497	497													
10	490	490	490	491	491													
15	479	479	480	480	480													
20	464	465	465	466	467													
25	445	446	447	448	449													
30	423	424	425	427	428													
35	397	398	400	401	403													
40	367	369	371	373	375													
45	335	337	339	342	344													
50	300	302	305	307	309													
55	262	264	267	269	272													
60	222	223	226	228	231													
65	179	181	183	186	188													
70	135	137	139	141	144													
75	91.1	92.3	93.9	96.1	98.0													
80	49.3	50.0	51.2	52.6	54.0													
85	15.4	15.7	16.1	16.5	17.9													
90	0.22	0.21	0.23	0.24	0.25													
95	10.9	10.9	12.7	14.4	16.2													
100	34.6	36.8	39.8	43.5	46.4													
105	68.2	70.9	74.5	78.6	82.2													
110	105	108	112	116	120													
115	142	145	148	153	157													
120	177	180	184	188	192													
125	212	214	218	222	226													
130	244	247	250	254	258													
135	274	277	280	284	287													
140	302	304	307	311	313													
145	328	329	332	335	337													
150	350	351	354	356	359													
155	370	371	372	375	376													
160	386	387	388	390	391													
165	399	400	401	402	403													
170	409	409	410	410	411													
175	415	415	415	415	415													
180	417	417	417	417	417													

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%
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 Remarks: