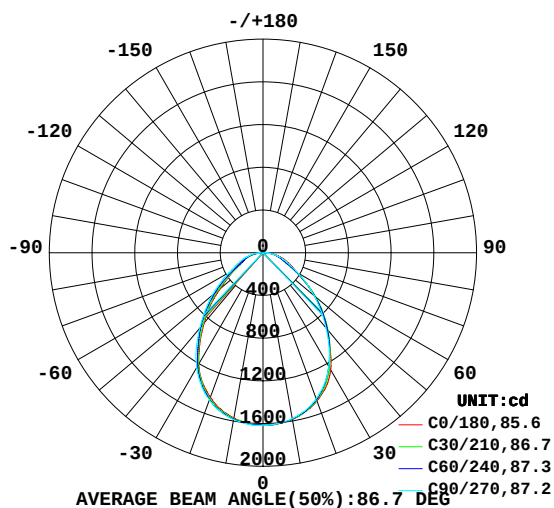


LUMINAIRE PHOTOMETRIC TEST REPORT

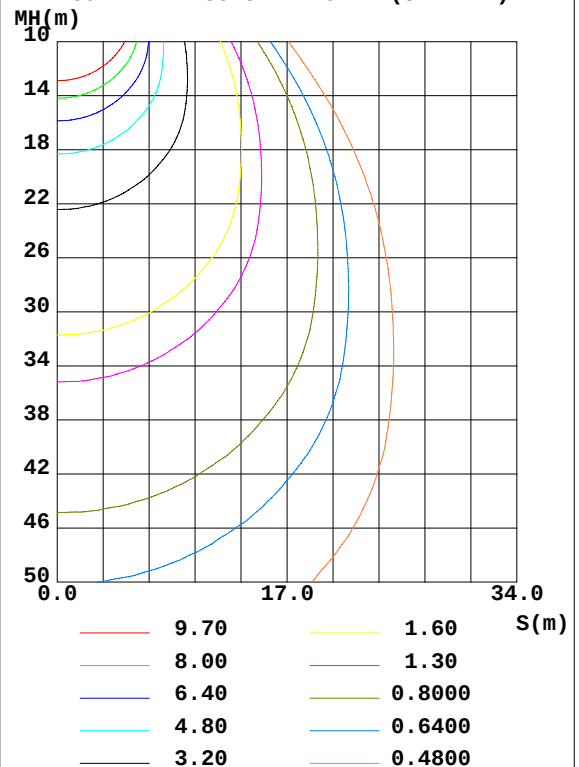
Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.80 lm/W			
MODEL		I _{max} (cd)	1617	S/MH(C0/180)	1.13
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3342.5	η UP, DN(C0-180)	0.1, 50.8
NOMINAL FLUX(lm)	3342.48	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.1
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	219.7	η down(%)	99.8	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity: 50.0%
 Test Distance: 6.770m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

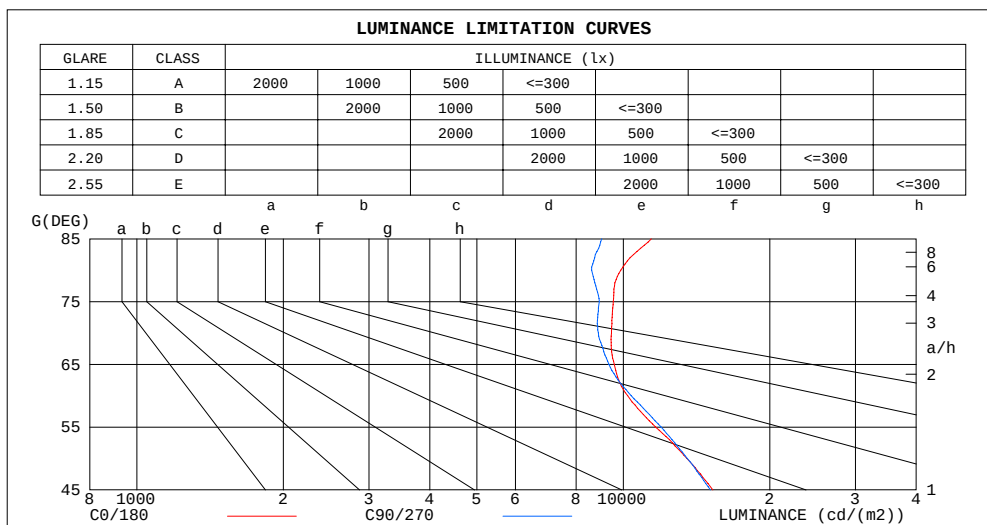
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1584	1581	1577	1576	1570	1580	1586	1584	0- 10	152.5	152.5	4.56, 4.56
20	1478	1467	1455	1461	1440	1458	1466	1465	10- 20	431.8	584.3	17.5, 17.5
30	1266	1239	1232	1228	1204	1216	1242	1226	20- 30	624.7	1209	36.2, 36.2
40	931.8	942.6	918.2	909.2	857.5	889.1	920.3	923.2	30- 40	669.1	1878	56.2, 56.2
50	627.3	640.8	626.1	597.0	526.0	572.4	619.4	619.3	40- 50	584.2	2462	73.7, 73.7
60	368.4	355.8	373.3	313.8	299.2	294.5	360.3	338.5	50- 60	411.6	2874	86, 86
70	233.5	194.8	218.7	186.5	188.3	178.4	215.2	188.7	60- 70	251.1	3125	93.5, 93.5
80	123.9	109.9	107.5	100.7	88.85	90.88	106.7	101.0	70- 80	159.1	3284	98.2, 98.2
90	4.896	2.637	0.3074	0.1591	0.1918	0.1990	0.2206	0.2209	80- 90	52.16	3336	99.8, 99.8
100	0.2374	0.3674	0.6997	0.3973	0.3814	0.4241	0.5000	0.3377	90-100	0.3281	3336	99.8, 99.8
110	0.4043	0.8161	1.131	0.8475	0.4965	0.7937	0.5443	0.7826	100-110	0.5853	3337	99.8, 99.8
120	0.7855	1.333	1.274	1.481	0.8687	1.335	0.6710	1.244	110-120	0.9606	3338	99.9, 99.9
130	1.253	1.735	1.366	1.575	1.275	1.466	0.8005	1.142	120-130	1.181	3339	99.9, 99.9
140	1.343	1.817	1.473	1.766	1.483	1.673	0.9093	0.9817	130-140	1.112	3340	99.9, 99.9
150	1.397	1.486	1.551	1.765	1.316	1.677	1.277	0.7798	140-150	0.9057	3341	100, 100
160	1.409	1.460	1.553	1.814	1.381	1.846	1.769	1.355	150-160	0.6835	3342	100, 100
170	1.340	1.562	1.477	1.740	1.736	1.576	1.454	1.368	160-170	0.4477	3342	100, 100
180	1.315	1.321	1.314	1.298	1.313	1.324	1.303	1.292	170-180	0.1385	3342	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity: 50.0%
 Test Distance: 6.770m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11418	9029
80	9881	8605
75	9535	8924
70	9453	8884
65	9580	9343
60	10205	10376
55	11649	11955
50	13516	13536
45	15274	15102

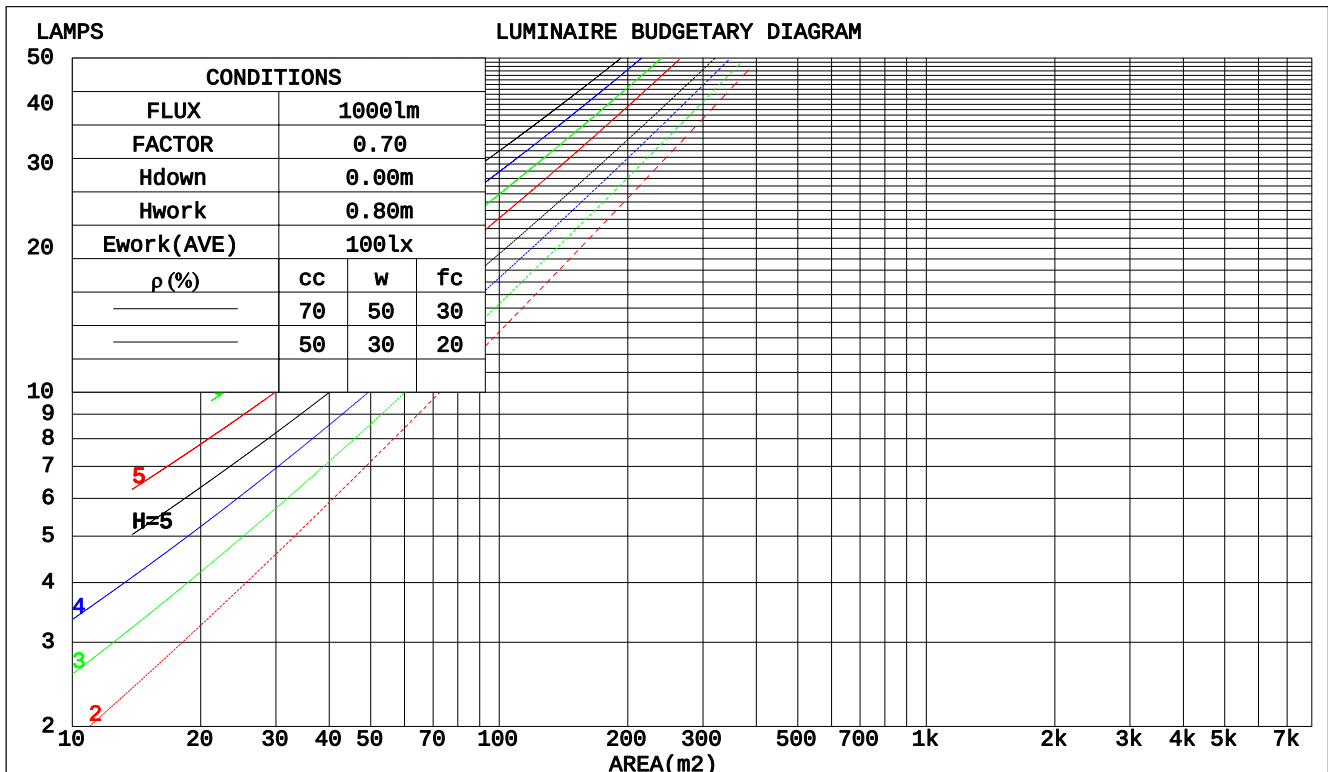
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.06	1.02	.98	1.03	.99	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.84	.76	.71	.82	.75	.70	.79	.73	.69	.77	.72	.68	.74	.70	.66	.64
4.0	.75	.67	.61	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.54	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.58	.51	.47	.56	.51	.46	.44
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.39	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.48	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity: 50.0%
Test Distance: 6.770m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm									
NAME: WL-RTST230D-HV(4000K)					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: Shenzhen Wisdom Light Co., ltd					SUR.:1.2*0.06			Shielding Angle:	

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.274	.156	.049	.267	.152	.048	.254	.146	.047	.242	.139	.045	.231	.134	.043		
2.0	.259	.142	.044	.253	.139	.043	.241	.134	.042	.231	.129	.040	.221	.125	.039		
3.0	.241	.128	.038	.236	.126	.038	.226	.122	.037	.217	.119	.036	.208	.115	.036		
4.0	.225	.117	.034	.220	.115	.034	.211	.112	.033	.203	.109	.033	.195	.106	.032		
5.0	.210	.107	.031	.205	.105	.031	.197	.103	.030	.190	.100	.030	.183	.098	.029		
6.0	.196	.098	.028	.192	.097	.028	.185	.095	.028	.179	.093	.027	.172	.091	.027		
7.0	.184	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.163	.084	.025		
8.0	.173	.084	.024	.170	.083	.024	.164	.082	.023	.159	.080	.023	.154	.079	.023		
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021		
10.0	.154	.074	.020	.151	.073	.020	.147	.072	.020	.142	.071	.020	.138	.070	.020		

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.179	.158	.139	.153	.136	.119	.105	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.169	.134	.103	.145	.115	.089	.099	.080	.062	.057	.046	.037	.018	.015	.012	
3.0	.160	.116	.080	.138	.100	.069	.094	.069	.049	.055	.040	.029	.018	.013	.009	
4.0	.152	.102	.063	.131	.088	.055	.090	.061	.039	.052	.036	.023	.017	.012	.008	
5.0	.145	.091	.052	.124	.079	.045	.086	.055	.032	.050	.032	.019	.016	.011	.006	
6.0	.138	.083	.043	.118	.072	.038	.082	.050	.027	.047	.029	.016	.015	.010	.005	
7.0	.131	.076	.037	.113	.066	.032	.078	.046	.023	.045	.027	.014	.015	.009	.004	
8.0	.125	.070	.032	.108	.061	.028	.074	.043	.020	.043	.025	.012	.014	.008	.004	
9.0	.119	.065	.028	.103	.056	.024	.071	.040	.017	.041	.023	.010	.013	.008	.003	
10.0	.114	.061	.025	.098	.053	.022	.068	.037	.016	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm											
NAME: WL-RTST230D-HV(4000K)					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: Shenzhen Wisdom Light Co., ltd					SUR.:1.2*0.06			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	20.9	22.3	21.1	22.5	22.7	20.9	22.3	21.2	22.5	22.7
	3H	21.9	23.2	22.2	23.4	23.7	21.9	23.1	22.2	23.4	23.6
	4H	22.5	23.7	22.8	24.0	24.2	22.4	23.6	22.7	23.8	24.1
	6H	23.1	24.2	23.4	24.5	24.7	22.9	24.0	23.2	24.3	24.5
	8H	23.3	24.4	23.6	24.7	25.0	23.0	24.1	23.4	24.4	24.7
	12H	23.5	24.6	23.9	24.9	25.2	23.2	24.2	23.5	24.5	24.8
4H	2H	21.2	22.4	21.5	22.6	22.9	21.2	22.4	21.5	22.7	22.9
	3H	22.4	23.5	22.8	23.8	24.1	22.4	23.4	22.7	23.7	24.0
	4H	23.2	24.1	23.5	24.4	24.8	23.1	24.0	23.4	24.3	24.7
	6H	23.9	24.7	24.3	25.1	25.5	23.7	24.5	24.1	24.9	25.3
	8H	24.2	25.0	24.6	25.4	25.8	24.0	24.7	24.4	25.1	25.5
	12H	24.5	25.3	25.0	25.6	26.1	24.2	24.9	24.6	25.3	25.7
8H	4H	23.4	24.2	23.8	24.5	24.9	23.3	24.1	23.7	24.4	24.8
	6H	24.3	25.0	24.7	25.4	25.8	24.1	24.8	24.5	25.2	25.6
	8H	24.7	25.3	25.2	25.8	26.2	24.5	25.1	24.9	25.5	25.9
	12H	25.2	25.7	25.7	26.1	26.6	24.8	25.3	25.3	25.7	26.2
12H	4H	23.4	24.1	23.8	24.5	24.9	23.3	24.0	23.7	24.4	24.8
	6H	24.4	25.0	24.8	25.4	25.8	24.2	24.8	24.6	25.2	25.6
	8H	24.9	25.4	25.4	25.8	26.3	24.6	25.1	25.1	25.6	26.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3					
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
2.0H	+ 0.5 / - 0.5					+ 0.4 / - 0.5					

CIE Pub.117, 3342 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
Area: 0.072 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:

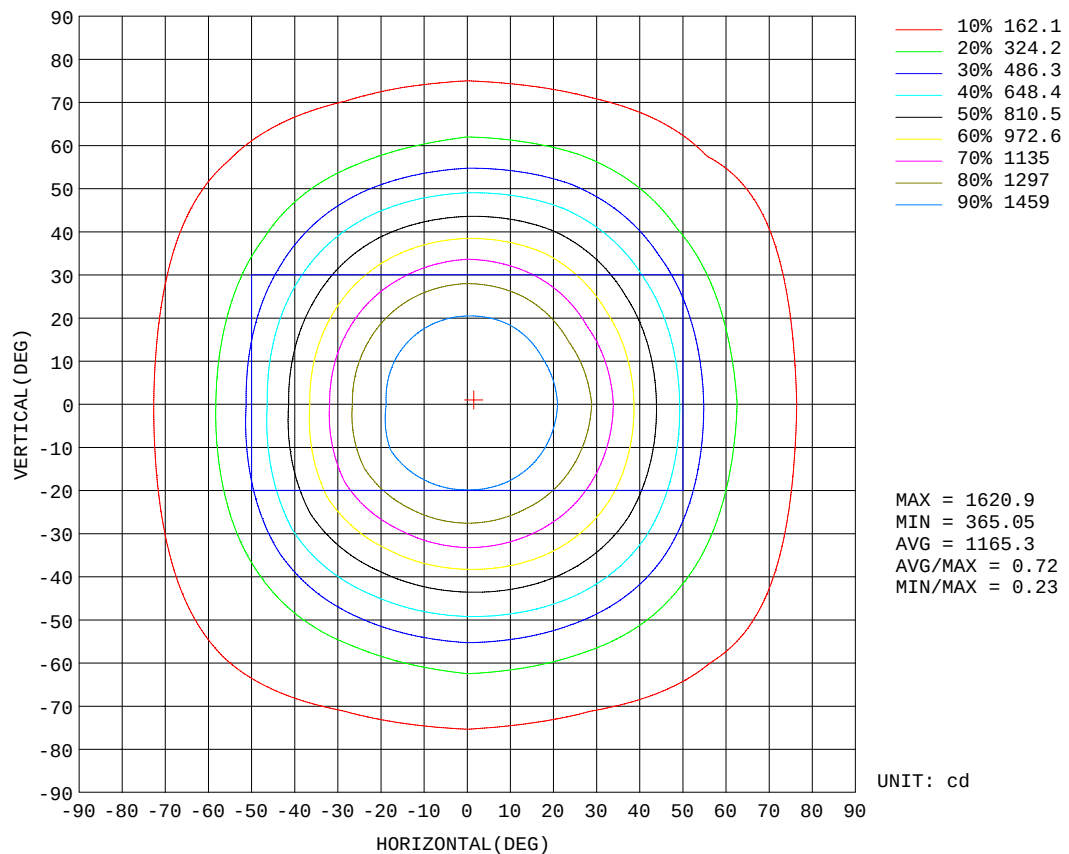
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	48	64	54	48	63	53	47	42
0.80	74	64	57	73	63	57	71	63	57	51
1.00	82	72	66	81	72	66	79	73	65	59
1.25	88	79	73	87	79	73	85	77	72	65
1.50	93	84	78	91	83	78	88	82	77	70
2.00	99	91	86	97	90	85	94	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	101	98	102	98	95	87
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:



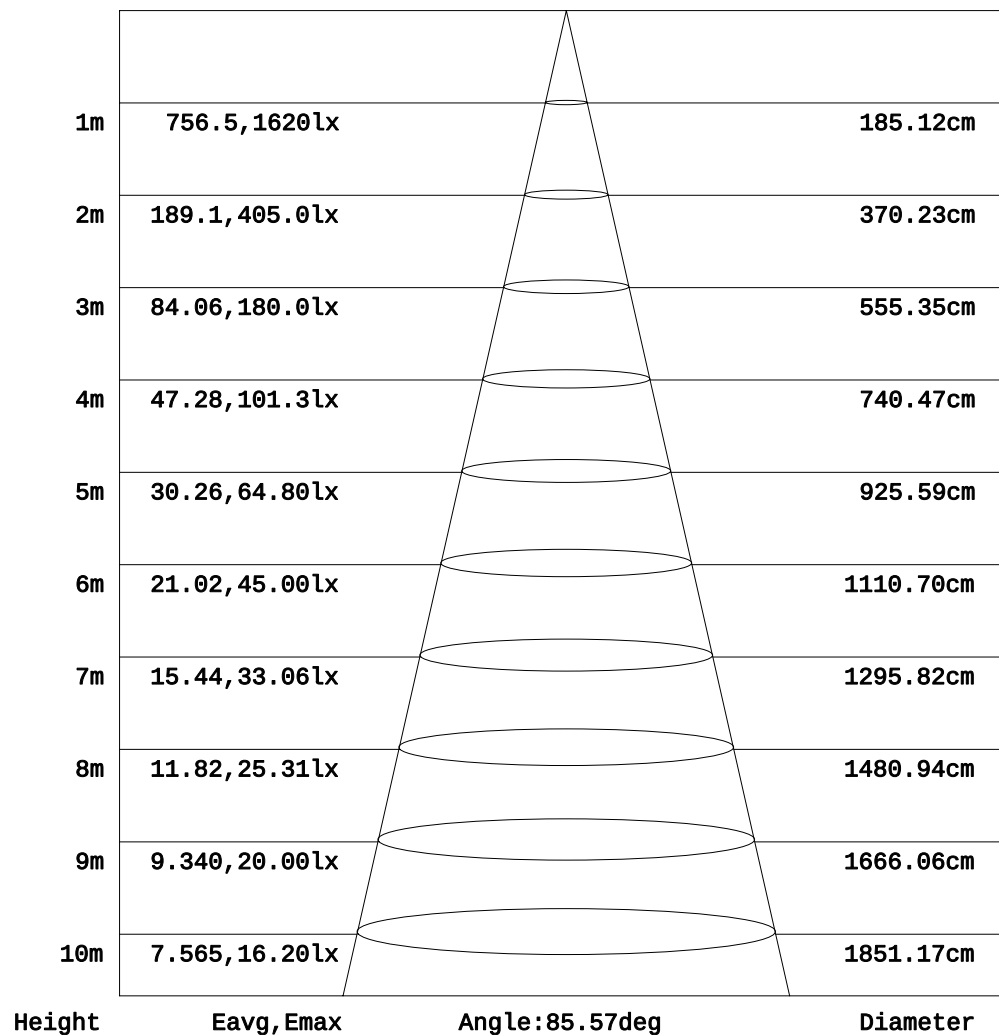
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:

Flux out:2067 lm



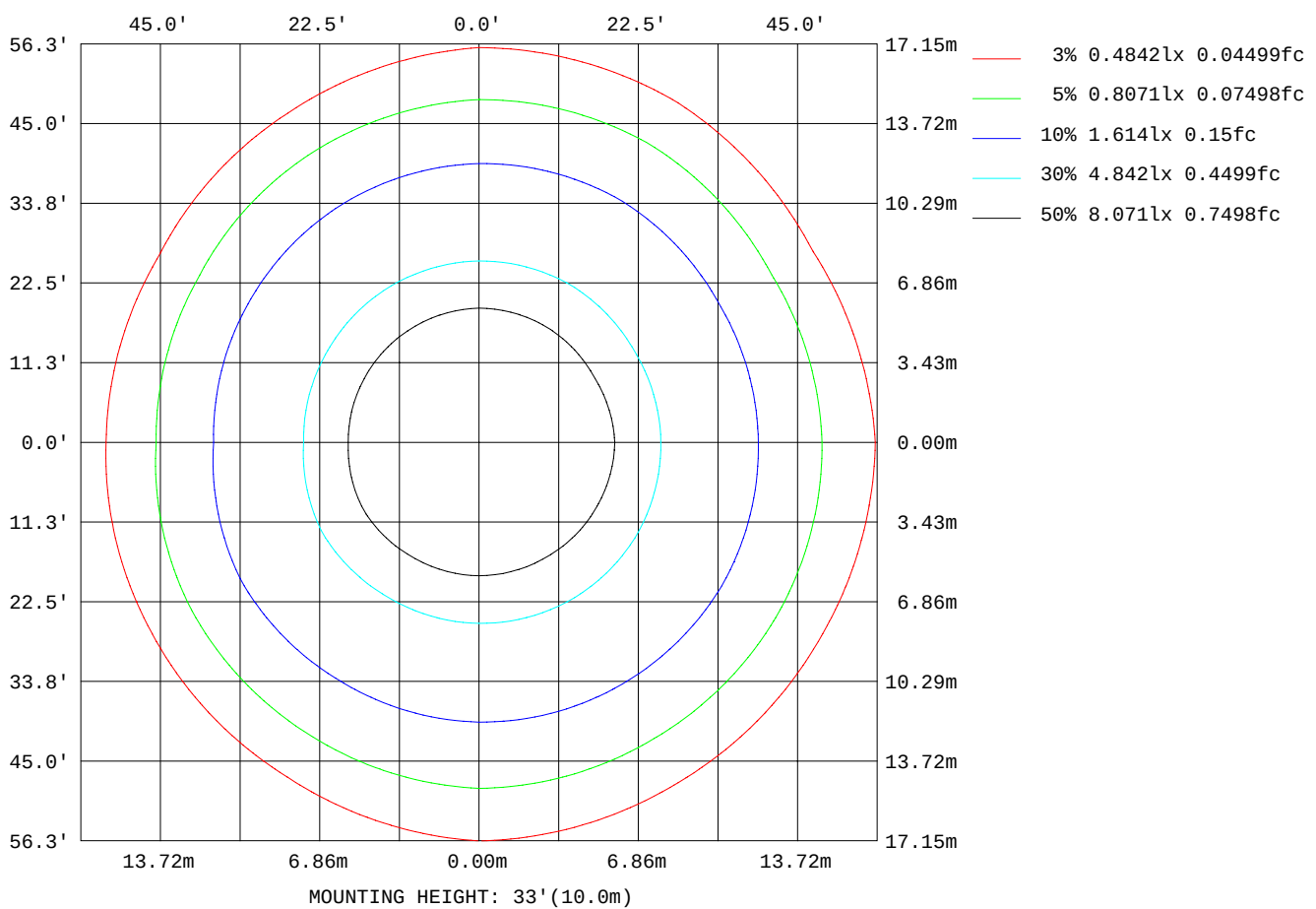
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity: 50.0%
 Test Distance: 6.770m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity: 50.0%
Test Distance: 6.770m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm		
NAME: WL-RTST230D-HV(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.06	Shielding Angle:

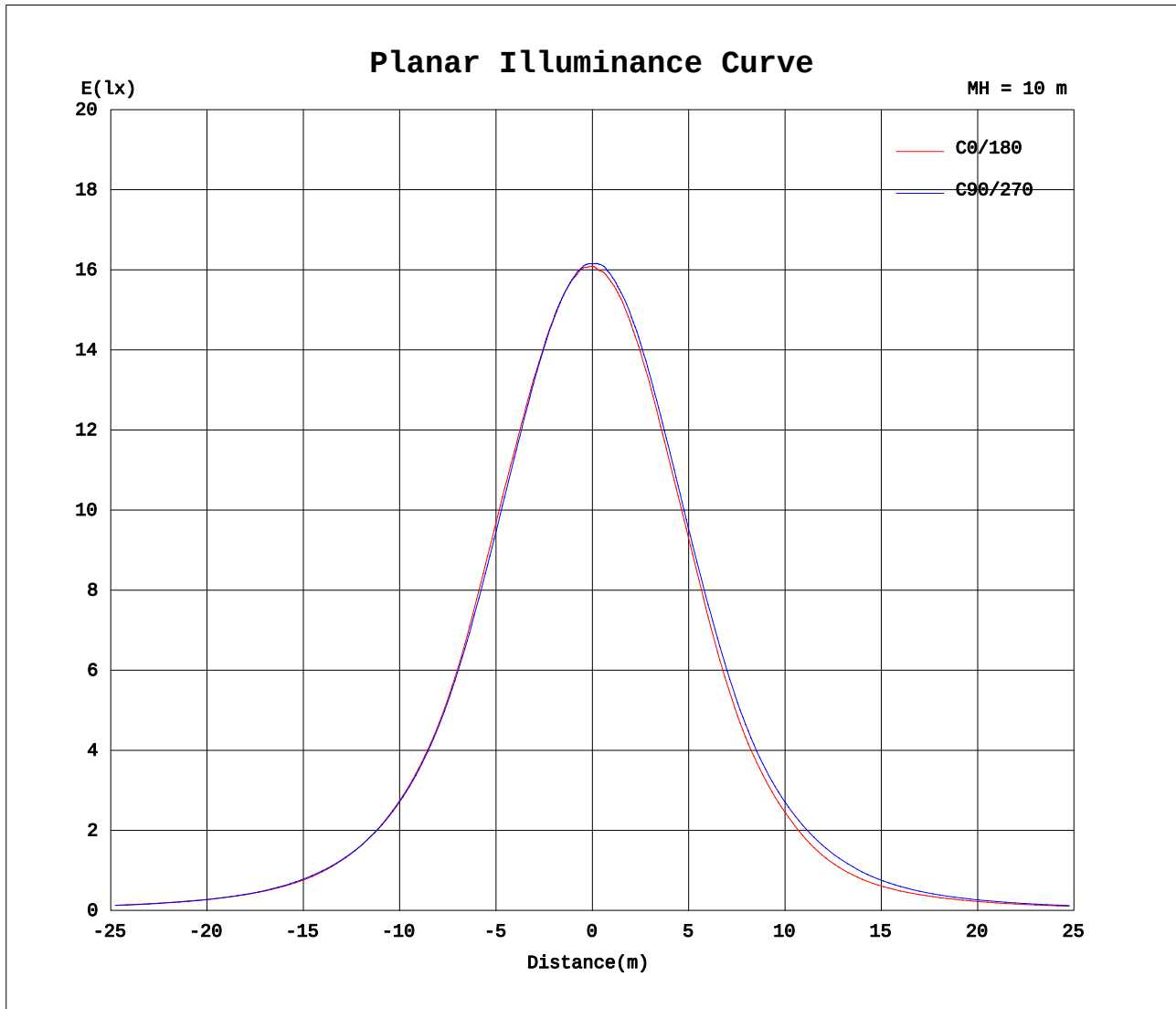
AvgL	cd/m2
L_0~180(65)av	8707
L_0~180(75)av	8499
L_0~180(85)av	8171
L_90~270(65)av	9220
L_90~270(75)av	8804
L_90~270(85)av	8944
L_45(65)av	7584
L_45(75)av	7763
L_45(85)av	6803

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity: 50.0%
Test Distance: 6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.80V I:0.2330A P:27.900W PF:0.9980 Freq:50.00Hz Lamp Flux:3342.48x1 lm																	
NAME: WL-RTST230D-HV(4000K)									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.06						Shielding Angle:		

Table--1

UNIT: cd

C(°) γ (°)	C(°)																
	0	30	60	90	120	150	180	210	240	270	300	330					
0	1614	1614	1614	1614	1614	1614	1614	1614	1614	1614	1614	1614					
5	1607	1609	1608	1605	1604	1606	1600	1603	1607	1611	1613	1607					
10	1584	1581	1582	1577	1575	1577	1570	1578	1582	1586	1586	1582					
15	1540	1539	1536	1530	1527	1535	1518	1526	1537	1540	1539	1533					
20	1478	1470	1464	1455	1457	1465	1440	1453	1462	1466	1470	1461					
25	1392	1378	1362	1358	1355	1365	1339	1347	1362	1368	1368	1358					
30	1266	1246	1232	1232	1221	1235	1204	1209	1222	1242	1235	1217					
35	1099	1095	1087	1080	1058	1075	1030	1040	1060	1087	1083	1064					
40	932	947	938	918	902	917	857	874	904	920	932	914					
45	780	798	786	768	747	756	697	717	748	766	781	762					
50	627	645	637	626	600	593	526	553	592	619	631	608					
55	482	493	488	493	457	431	388	397	440	478	483	453					
60	368	354	358	373	325	302	299	279	310	360	355	322					
65	292	251	256	284	232	222	238	213	222	277	257	230					
70	233	195	194	219	189	184	188	175	181	215	197	181					
75	178	154	148	166	150	150	139	137	144	162	149	142					
80	124	112	108	108	102	99.8	88.8	85.4	96.4	107	103	98.9					
85	71.9	57.5	52.2	56.6	43.4	39.8	30.7	27.3	41.0	55.6	47.7	42.3					
90	4.90	3.59	1.69	0.31	0.17	0.15	0.19	0.20	0.20	0.22	0.23	0.21					
95	0.16	0.18	0.25	0.33	0.28	0.21	0.26	0.28	0.27	0.34	0.25	0.22					
100	0.24	0.33	0.41	0.70	0.43	0.36	0.38	0.43	0.41	0.50	0.33	0.35					
105	0.32	0.43	0.61	0.96	0.73	0.48	0.42	0.54	0.47	0.50	0.51	0.46					
110	0.40	0.59	1.05	1.13	1.03	0.67	0.50	0.65	0.94	0.54	0.94	0.62					
115	0.60	0.90	1.29	1.19	1.29	0.94	0.70	0.86	1.18	0.67	1.15	0.82					
120	0.79	1.18	1.49	1.27	1.67	1.29	0.87	1.15	1.52	0.67	1.39	1.10					
125	0.97	1.51	1.78	1.33	1.58	1.49	1.14	1.37	1.44	0.78	1.19	1.42					
130	1.25	1.76	1.71	1.37	1.48	1.67	1.27	1.54	1.39	0.80	0.78	1.51					
135	1.35	1.87	1.53	1.42	1.41	1.74	1.38	1.83	1.37	0.88	0.73	1.72					
140	1.34	1.96	1.67	1.47	1.51	2.02	1.48	2.02	1.33	0.91	0.74	1.23					
145	1.56	2.01	1.67	1.53	1.73	1.70	1.48	1.71	1.55	0.85	0.65	0.69					
150	1.40	1.42	1.55	1.55	1.90	1.63	1.32	1.45	1.90	1.28	1.03	0.53					
155	1.33	1.41	1.47	1.57	1.87	1.46	1.22	1.52	1.96	1.67	1.68	0.53					
160	1.41	1.41	1.52	1.55	1.98	1.65	1.38	1.72	1.97	1.77	1.69	1.02					
165	1.33	1.33	1.67	1.51	1.87	1.71	1.57	1.63	1.85	1.74	1.64	1.02					
170	1.34	1.47	1.65	1.48	1.62	1.86	1.74	1.62	1.53	1.45	1.36	1.37					
175	1.48	1.51	1.50	1.41	1.41	1.56	1.41	1.38	1.28	1.24	1.26	1.36					
180	1.31	1.32	1.32	1.31	1.30	1.30	1.31	1.32	1.33	1.30	1.28	1.30					

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