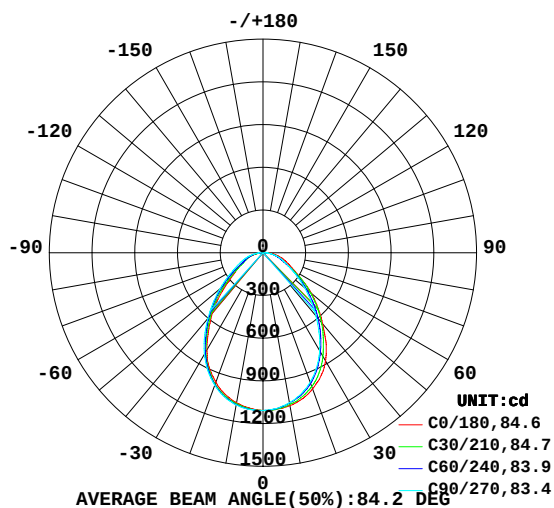


LUMINAIRE PHOTOMETRIC TEST REPORT

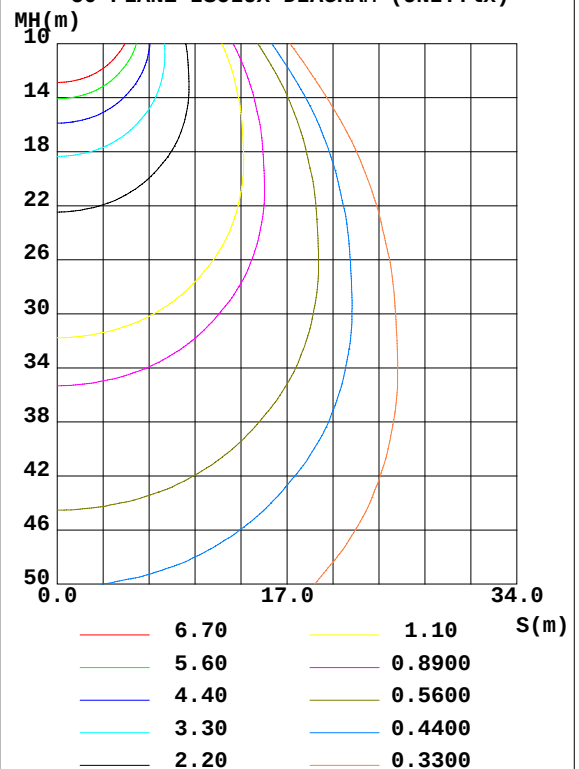
Test:U:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.33 lm/W			
MODEL		I _{max} (cd)	1110	S/MH(C0/180)	1.09
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2221.3	η UP, DN(C0-180)	0.1, 50.5
NOMINAL FLUX(lm)	2221.33	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.2
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	119.9	η down(%)	99.7	CIBSE SHR MAX	1.15

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:2022-05-10

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:

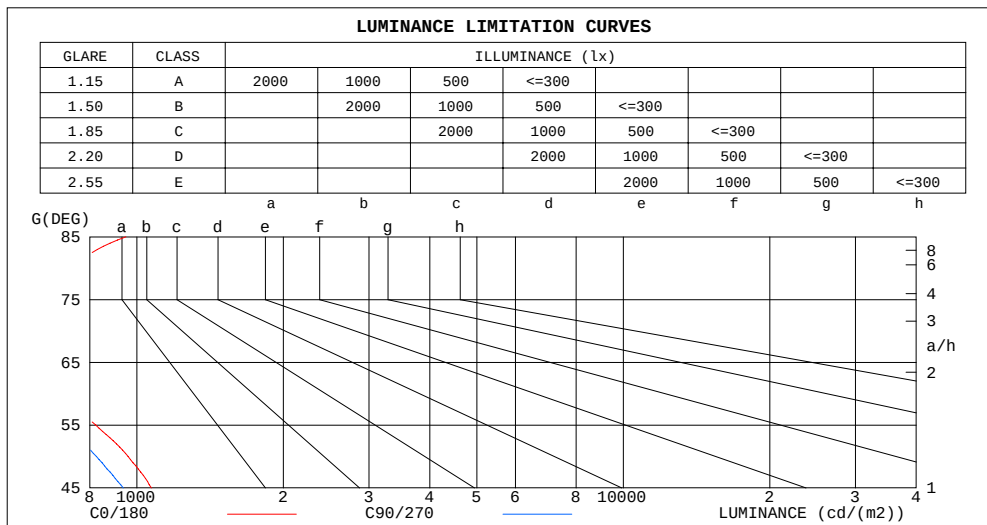
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1090	1077	1070	1075	1070	1079	1086	1086	0- 10	104.4	104.4	4.7,4.7
20	1018	989.0	968.3	975.7	967.3	984.6	991.0	1000	10- 20	293.3	397.7	17.9,17.9
30	877.7	823.7	795.4	799.0	787.4	807.3	822.7	834.6	20- 30	418.1	815.8	36.7,36.7
40	651.2	620.5	579.7	576.4	556.1	580.2	601.7	626.0	30- 40	442.2	1258	56.6,56.6
50	443.2	416.8	381.5	362.1	319.1	362.0	395.1	419.1	40- 50	379.2	1637	73.7,73.7
60	258.0	237.5	229.1	196.4	192.5	194.4	235.6	238.4	50- 60	266.5	1904	85.7,85.7
70	166.3	134.2	142.4	123.6	120.0	118.6	145.3	134.0	60- 70	169.1	2073	93.3,93.3
80	93.09	74.92	69.81	61.40	54.15	57.31	72.47	72.57	70- 80	106.5	2179	98.1,98.1
90	18.40	5.604	0.1528	0.2857	0.1625	0.3365	0.1748	2.945	80- 90	36.36	2216	99.7,99.7
100	0.2498	0.3353	0.5274	0.3645	0.3628	0.3471	0.4357	0.3829	90-100	0.5014	2216	99.8,99.8
110	0.4521	0.7875	0.9834	0.6592	0.5327	0.6565	0.6647	0.7853	100-110	0.5740	2217	99.8,99.8
120	0.9821	1.043	0.8915	0.7875	0.9482	1.023	0.5063	1.226	110-120	0.8131	2217	99.8,99.8
130	1.621	1.171	0.9002	0.9434	1.313	1.176	0.7388	1.801	120-130	0.9690	2218	99.9,99.9
140	1.970	1.248	0.9987	1.143	1.705	1.363	0.6990	1.832	130-140	1.022	2219	99.9,99.9
150	2.134	1.236	0.9754	1.178	1.482	1.248	0.7428	1.443	140-150	0.8609	2220	100,100
160	1.572	0.9853	0.9529	1.383	1.482	1.233	0.7520	1.054	150-160	0.5696	2221	100,100
170	1.273	0.9033	1.094	1.237	0.9620	1.187	1.019	0.8203	160-170	0.3209	2221	100,100
180	0.8644	0.9452	1.006	0.9827	0.8625	0.9443	1.004	0.9760	170-180	0.0954	2221	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:2022-05-10

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:

LUMINANCE LIMITATION CURVES

Test:U:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	949	575
80	746	559
75	705	577
70	676	579
65	673	596
60	718	637
55	823	720
50	959	825
45	1071	938

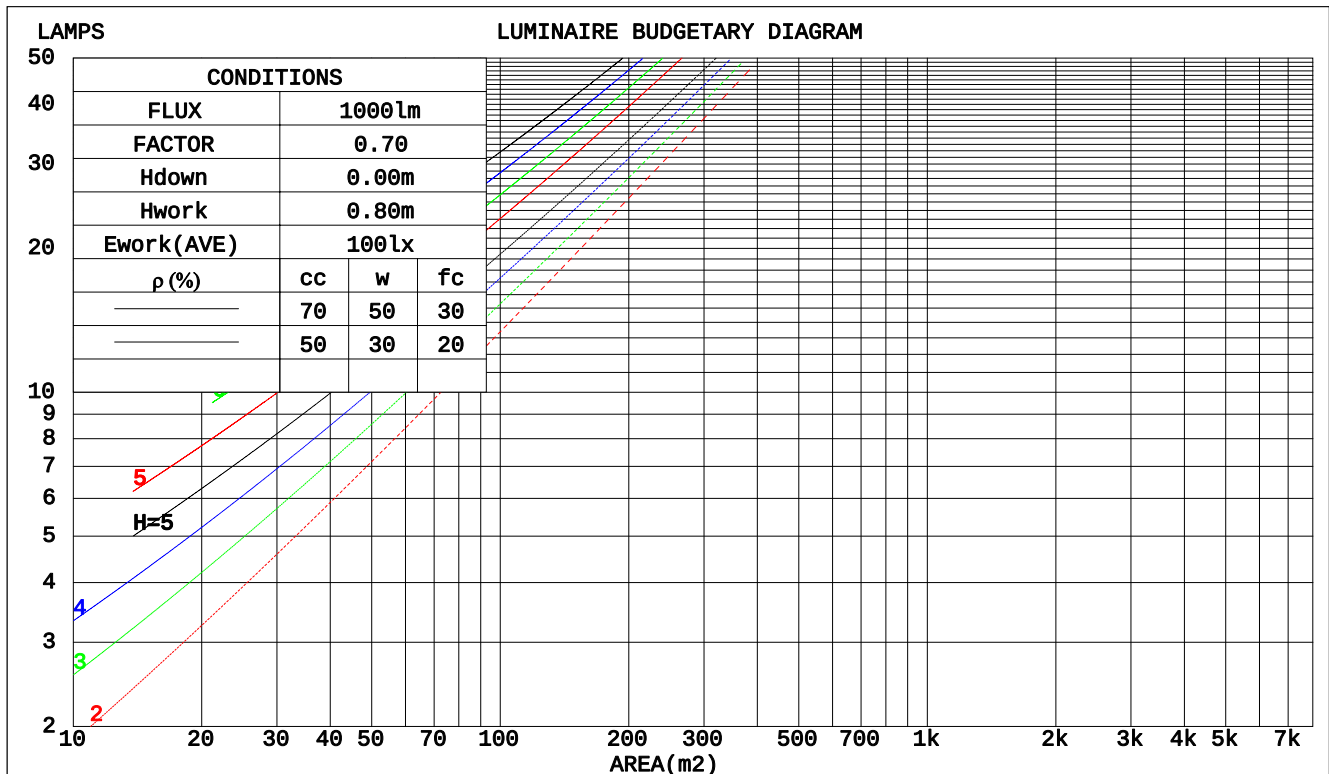
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	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	.90	.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	.74	.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	.53	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.48	.59	.53	.47	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.55	.48	.43	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.39	.52	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.33
10.0	.45	.37	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.42	.36	.32	.30



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm									
NAME: WL-RTST2220D(4000K)					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: Shenzhen Wisdom Light Co., ltd					SUR.:1.2*0.6			Shielding Angle:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.274	.156	.049	.267	.153	.048	.254	.146	.047	.242	.140	.045	.231	.134	.043	
2.0	.259	.142	.043	.252	.139	.043	.241	.134	.042	.230	.129	.040	.220	.125	.039	
3.0	.241	.128	.038	.236	.126	.038	.225	.122	.037	.216	.118	.036	.207	.115	.036	
4.0	.224	.116	.034	.219	.115	.034	.210	.112	.033	.202	.109	.033	.194	.106	.032	
5.0	.209	.106	.031	.205	.105	.031	.197	.102	.030	.189	.100	.030	.183	.098	.029	
6.0	.195	.098	.028	.191	.097	.028	.184	.095	.028	.178	.092	.027	.172	.090	.027	
7.0	.183	.090	.026	.180	.089	.026	.173	.088	.025	.167	.086	.025	.162	.084	.025	
8.0	.172	.084	.024	.169	.083	.024	.163	.082	.023	.158	.080	.023	.153	.079	.023	
9.0	.162	.078	.022	.159	.078	.022	.154	.076	.022	.150	.075	.021	.145	.074	.021	
10.0	.153	.073	.020	.151	.073	.020	.146	.072	.020	.142	.070	.020	.138	.069	.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	.180	.158	.139	.154	.136	.120	.105	.094	.083	.061	.054	.048	.019	.017	.016		
2.0	.170	.134	.104	.145	.115	.090	.100	.080	.063	.057	.046	.037	.018	.015	.012		
3.0	.161	.116	.080	.138	.100	.070	.095	.070	.049	.055	.041	.029	.018	.013	.009		
4.0	.153	.102	.064	.131	.089	.056	.090	.062	.039	.052	.036	.023	.017	.012	.008		
5.0	.145	.092	.052	.125	.079	.046	.086	.055	.032	.050	.033	.019	.016	.011	.006		
6.0	.138	.083	.044	.119	.072	.038	.082	.050	.027	.047	.030	.016	.015	.010	.005		
7.0	.131	.076	.037	.113	.066	.033	.078	.046	.023	.045	.027	.014	.015	.009	.005		
8.0	.125	.070	.032	.108	.061	.028	.075	.043	.020	.043	.025	.012	.014	.008	.004		
9.0	.120	.065	.029	.103	.057	.025	.071	.040	.018	.042	.024	.011	.013	.008	.004		
10.0	.114	.061	.026	.099	.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:2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm											
NAME: WL-RTST2220D(4000K)						TYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: Shenzhen Wisdom Light Co., ltd						SUR.:1.2*0.6			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		11.7	13.1	12.0	13.3	13.5	11.1	12.5	11.4	12.7	12.9
	3H	12.8	14.1	13.1	14.3	14.5	12.2	13.5	12.5	13.7	13.9
	4H	13.4	14.6	13.8	14.9	15.1	12.7	13.9	13.0	14.2	14.4
	6H	14.1	15.2	14.4	15.5	15.7	13.2	14.3	13.5	14.6	14.9
	8H	14.4	15.4	14.7	15.7	16.0	13.4	14.5	13.7	14.8	15.1
	12H	14.6	15.7	15.0	16.0	16.3	13.5	14.6	13.9	14.9	15.2
4H	2H	12.0	13.2	12.3	13.4	13.7	11.5	12.7	11.8	13.0	13.2
	3H	13.3	14.4	13.7	14.6	14.9	12.8	13.8	13.1	14.1	14.4
	4H	14.1	15.0	14.5	15.4	15.7	13.5	14.4	13.9	14.8	15.1
	6H	14.9	15.7	15.3	16.1	16.5	14.1	15.0	14.5	15.3	15.7
	8H	15.3	16.1	15.7	16.4	16.8	14.4	15.2	14.8	15.5	15.9
	12H	15.7	16.4	16.1	16.8	17.2	14.6	15.3	15.0	15.7	16.1
8H	4H	14.3	15.1	14.7	15.4	15.8	13.7	14.5	14.2	14.9	15.3
	6H	15.3	15.9	15.7	16.3	16.8	14.6	15.2	15.0	15.6	16.1
	8H	15.8	16.4	16.2	16.8	17.2	14.9	15.5	15.4	16.0	16.4
	12H	16.3	16.8	16.8	17.3	17.7	15.3	15.8	15.7	16.2	16.7
12H	4H	14.3	15.0	14.7	15.4	15.8	13.8	14.5	14.2	14.9	15.3
	6H	15.3	15.9	15.8	16.4	16.8	14.7	15.3	15.1	15.7	16.1
	8H	15.9	16.4	16.4	16.9	17.3	15.1	15.6	15.6	16.0	16.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3					
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					

CIE Pub.117, 2221 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.8$)
Area: 0.72 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	Shielding Angle:

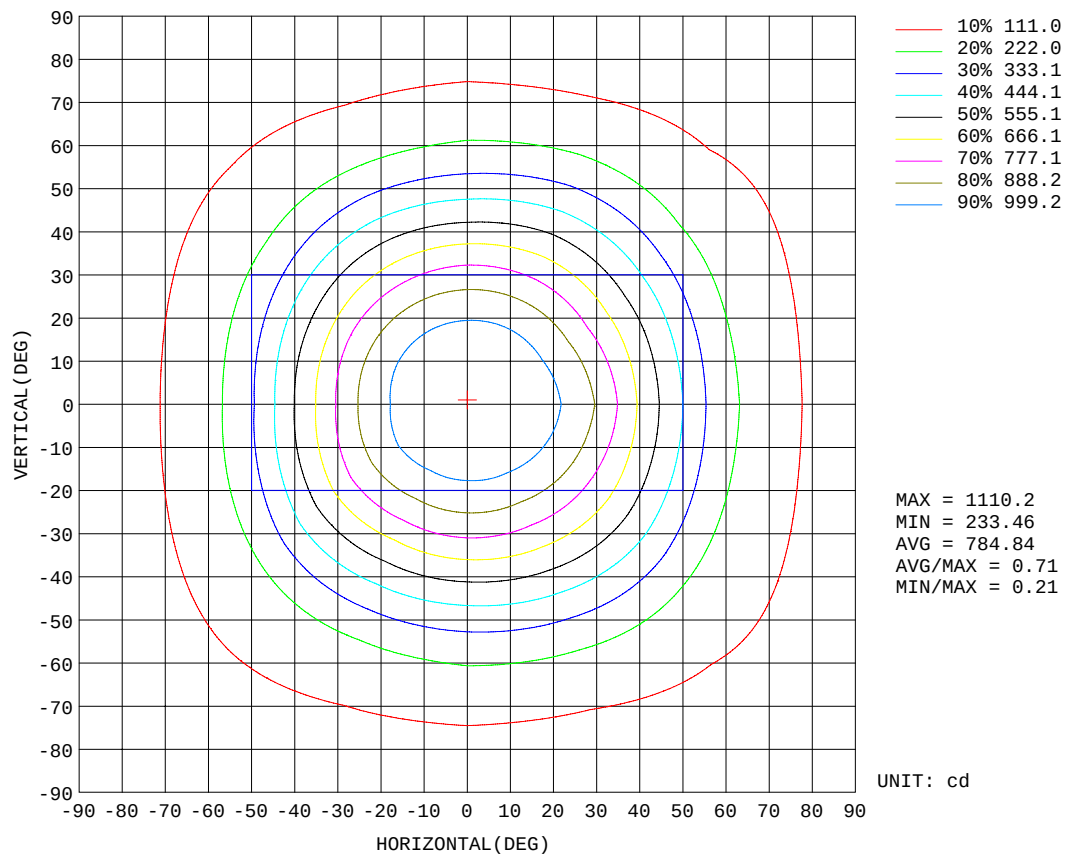
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	54	48	64	54	48	63	54	48	42
0.80	74	64	58	73	64	58	72	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	66
1.50	93	84	78	91	84	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:2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	Shielding Angle:

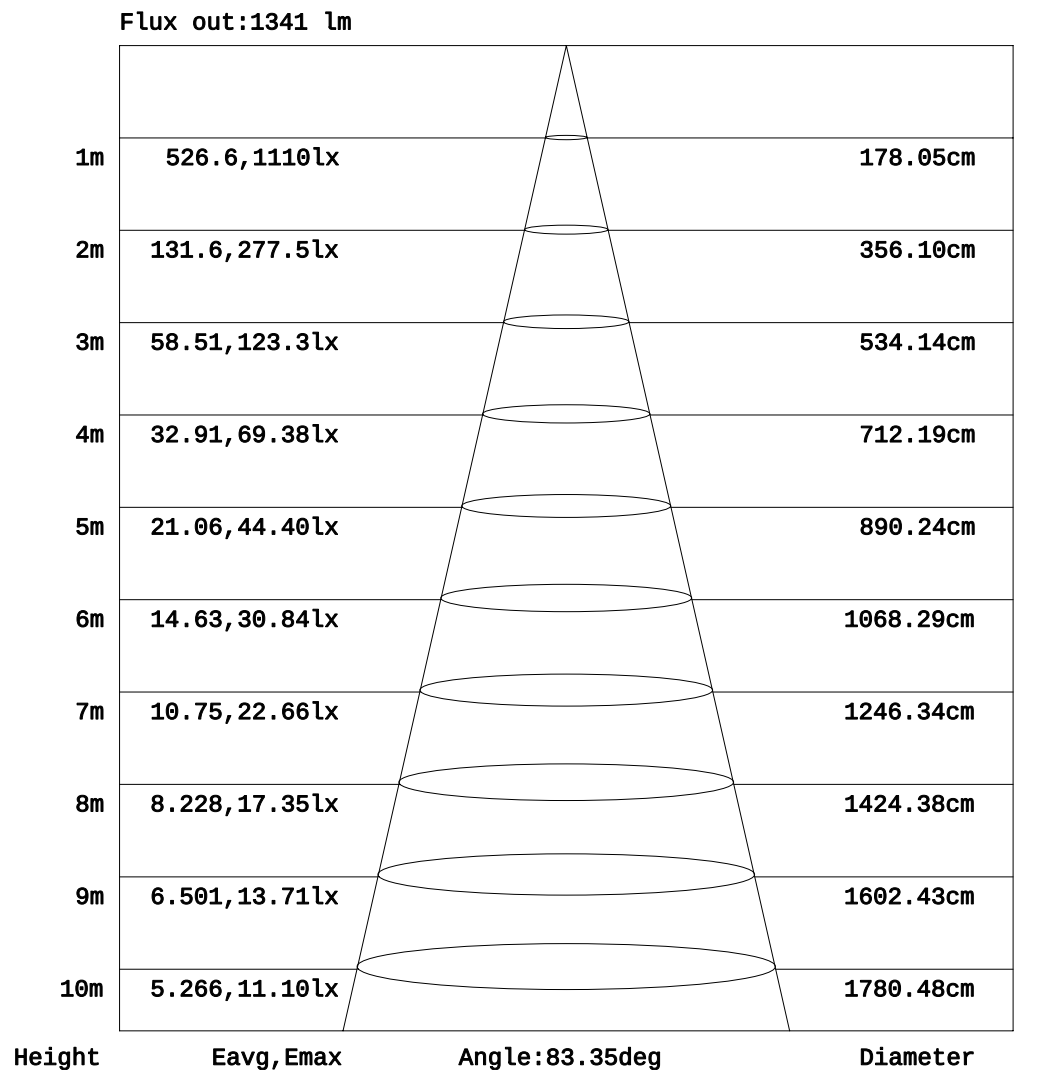


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	Shielding Angle:



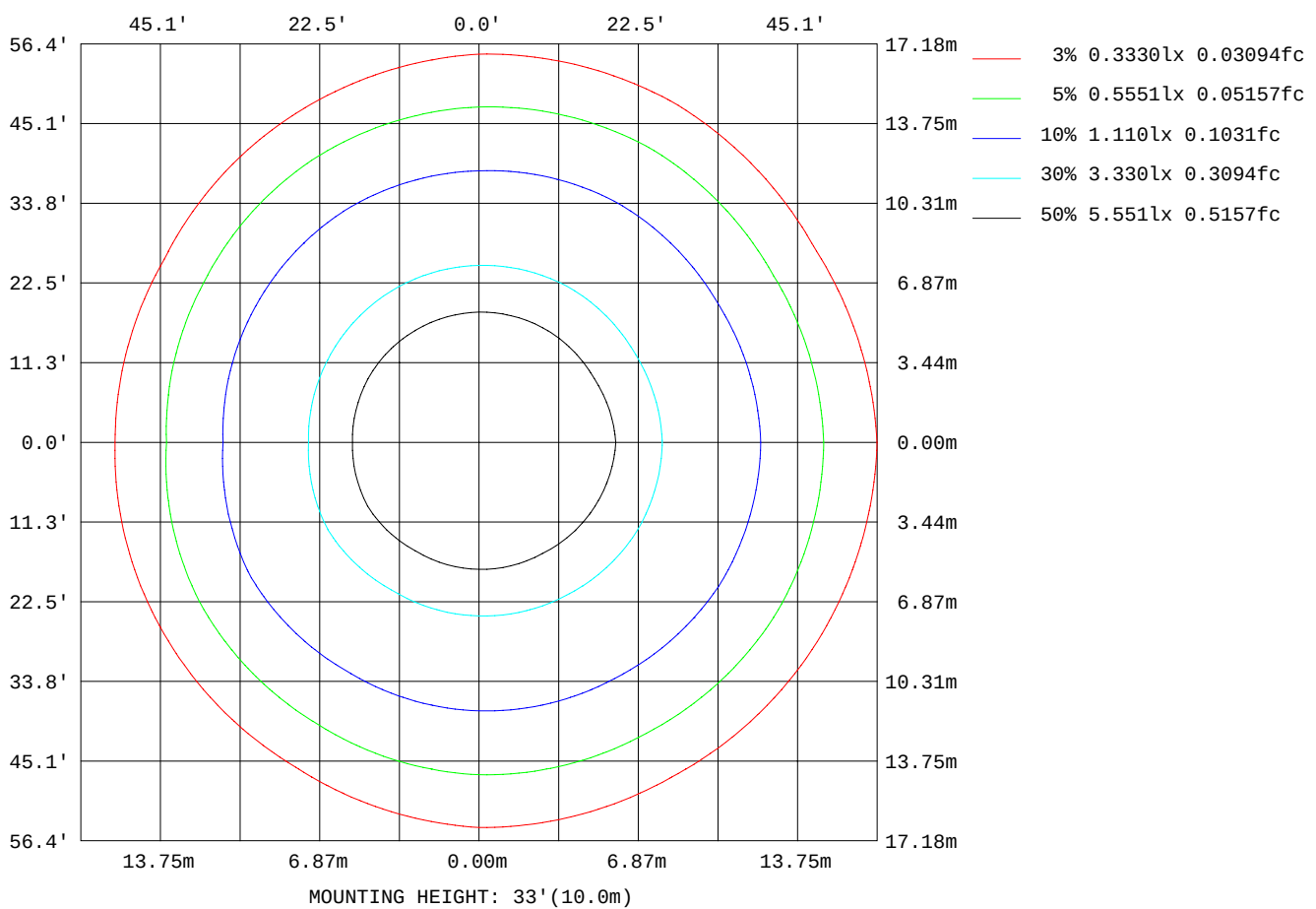
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., Ltd	SUR.:1.2*0.6	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm		
NAME: WL-RTST2220D(4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.6	Shielding Angle:

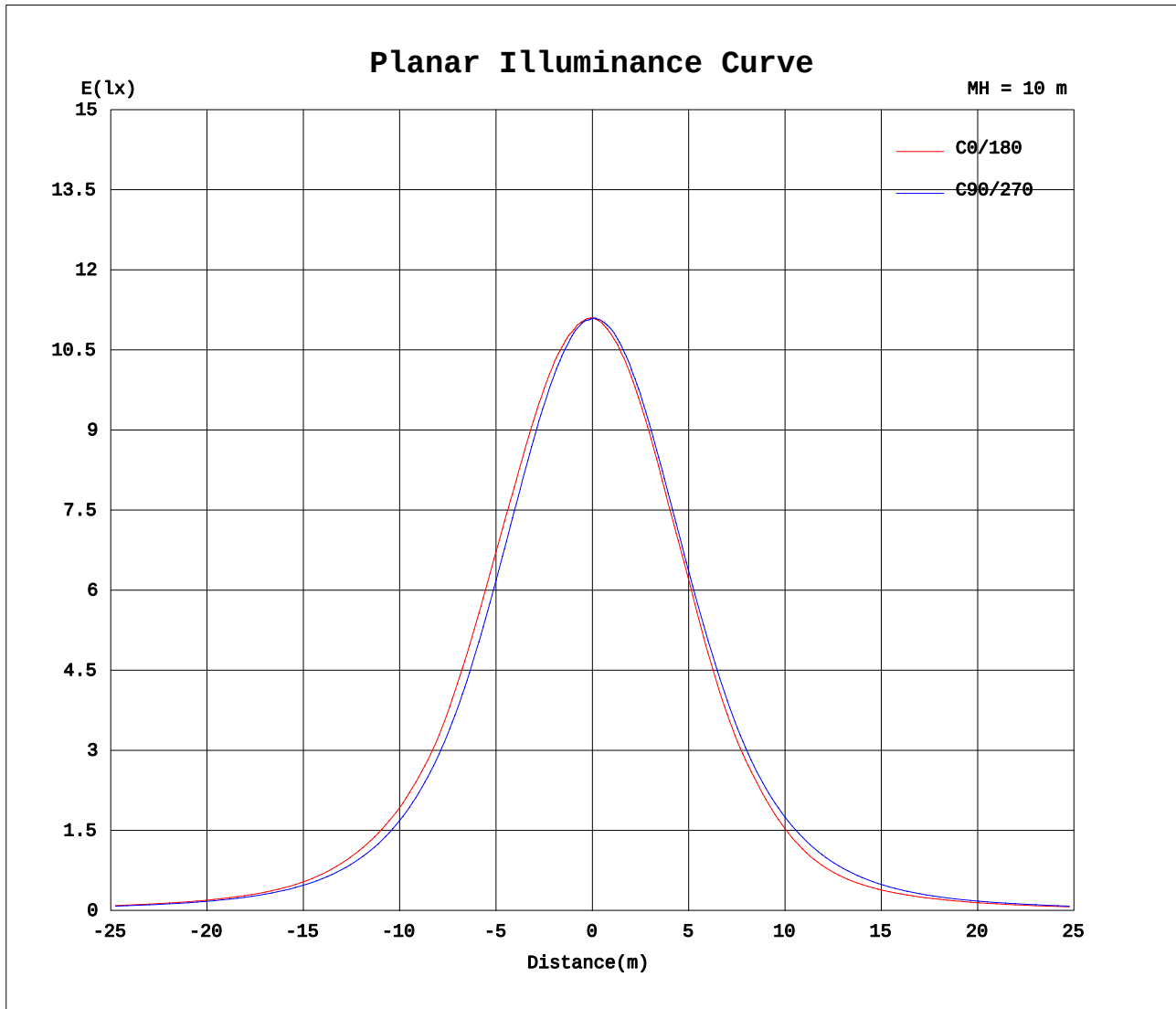
AvgL	cd/m2
L_0~180(65)av	589
L_0~180(75)av	578
L_0~180(85)av	589
L_90~270(65)av	602
L_90~270(75)av	582
L_90~270(85)av	597
L_45(65)av	521
L_45(75)av	517
L_45(85)av	464

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-10

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: 2022-05-10

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:121.70V I:0.1610A P:19.600W PF:0.9980 Freq:50.00Hz Lamp Flux:2221.33x1 lm																	
NAME: WL-RTST2220D(4000K)									TYPE:			WEIGHT:					
SPEC.:									DIM.:			SERIAL No.:					
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.6			Shielding Angle:					

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1108	1108	1108	1108	1108	1108	1108	1108	1108	1108	1108	1108						
5	1102	1104	1099	1098	1099	1101	1095	1099	1103	1104	1105	1103						
10	1090	1082	1072	1070	1070	1080	1070	1075	1083	1086	1086	1087						
15	1062	1050	1035	1029	1031	1039	1029	1038	1046	1048	1053	1054						
20	1018	1000	978	968	967	984	967	982	987	991	998	1003						
25	959	932	900	890	885	904	892	901	908	915	924	930						
30	878	841	807	795	787	811	787	804	811	823	833	836						
35	772	739	707	687	673	698	668	683	699	715	729	731						
40	651	639	602	580	566	587	556	570	591	602	626	626						
45	544	537	500	477	461	476	433	458	483	494	521	522						
50	443	434	399	382	363	362	319	346	378	395	419	419						
55	339	334	308	297	274	266	241	254	284	307	323	319						
60	258	244	231	229	201	192	193	182	207	236	242	235						
65	204	177	172	181	152	147	154	140	152	185	180	169						
70	166	136	132	142	125	122	120	115	122	145	137	131						
75	131	106	99.6	107	96.5	94.6	84.1	87.6	93.7	109	102	102						
80	93.1	78.3	71.6	69.8	63.0	59.8	54.2	51.8	62.8	72.5	72.7	72.5						
85	59.4	43.0	35.0	36.1	25.0	23.1	14.5	16.2	25.3	38.8	36.3	36.3						
90	18.4	8.55	2.66	0.15	0.16	0.41	0.16	0.16	0.51	0.17	3.52	2.37						
95	0.18	0.21	0.22	0.29	0.23	0.21	0.25	0.23	0.22	0.30	0.24	0.22						
100	0.25	0.32	0.35	0.53	0.37	0.35	0.36	0.38	0.31	0.44	0.38	0.38						
105	0.36	0.40	0.72	0.80	0.71	0.48	0.40	0.45	0.57	0.55	0.59	0.47						
110	0.45	0.48	1.10	0.98	0.88	0.44	0.53	0.46	0.85	0.66	0.97	0.60						
115	0.65	0.75	1.16	0.99	0.88	0.51	0.72	0.73	0.84	0.51	1.05	0.86						
120	0.98	0.93	1.16	0.89	0.79	0.78	0.95	1.03	1.02	0.51	1.22	1.23						
125	1.26	1.22	0.80	0.80	0.59	0.93	1.25	1.27	1.04	0.51	1.71	1.47						
130	1.62	1.56	0.78	0.90	0.68	1.21	1.31	1.31	1.04	0.74	1.76	1.84						
135	1.89	1.68	0.79	0.97	0.72	1.34	1.64	1.13	1.03	0.97	1.71	2.01						
140	1.97	1.64	0.85	1.00	0.88	1.41	1.71	1.58	1.14	0.70	1.49	2.17						
145	1.99	1.79	0.90	1.00	1.07	1.40	1.75	1.43	1.18	0.74	1.34	2.13						
150	2.13	1.55	0.92	0.98	1.11	1.25	1.48	1.30	1.20	0.74	1.10	1.78						
155	1.73	1.29	0.81	0.97	1.19	1.32	1.41	1.55	1.17	0.74	1.00	1.47						
160	1.57	1.14	0.83	0.95	1.26	1.51	1.48	1.41	1.06	0.75	0.86	1.25						
165	1.42	0.90	0.93	1.03	1.23	1.38	1.37	1.42	1.23	0.94	0.80	1.01						
170	1.27	0.80	1.00	1.09	1.18	1.29	0.96	1.23	1.14	1.02	0.78	0.86						
175	0.88	0.89	0.97	1.04	1.05	1.12	0.90	0.97	1.05	1.00	1.00	0.78						
180	0.86	0.89	1.00	1.01	1.02	0.95	0.86	0.89	1.00	1.00	1.01	0.94						

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