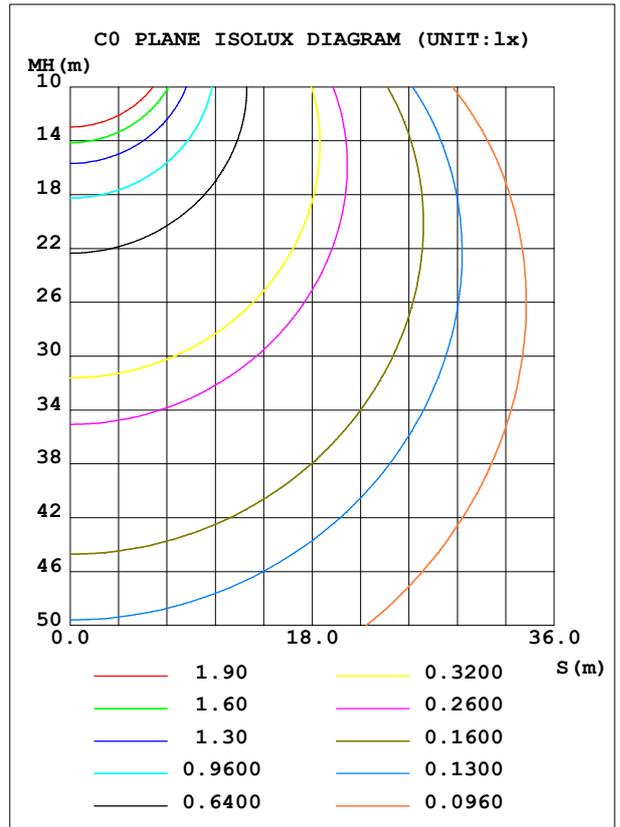
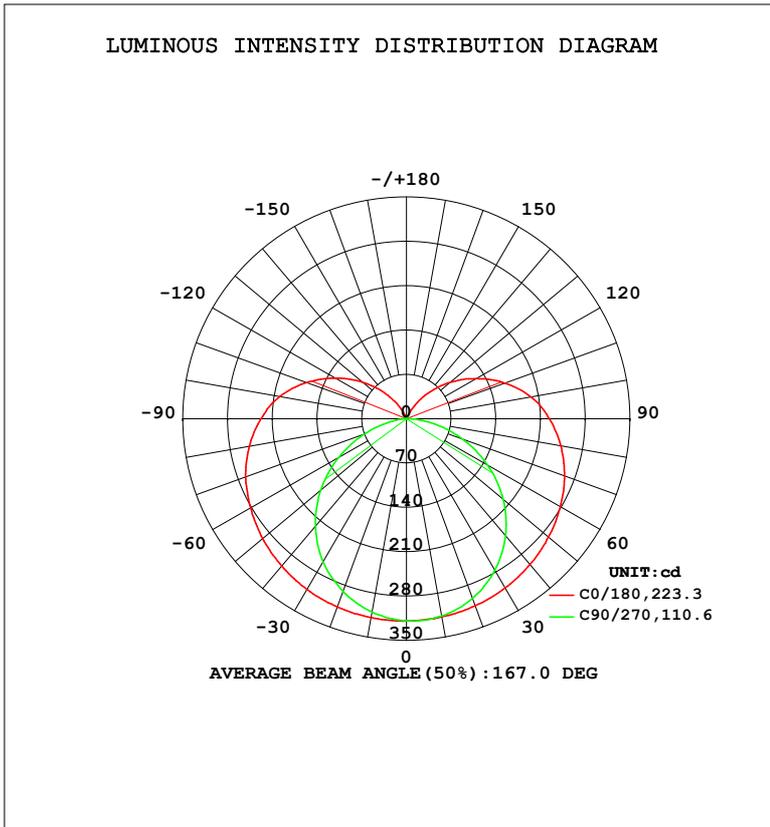


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 73.86 lm/W
MODEL	VN25-24-25S-952C5-MVTD-BK	Imax (cd)	319.8	S/MH (C0/180)	1.48	
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	1.22	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1781.3	$\eta$ UP, DN (C0-180)	11.8, 39.3	
NOMINAL FLUX (lm)	1781.25	CIE CLASS	SEMI-D.	$\eta$ UP, DN (C180-360)	11.1, 37.8	
LAMPS INSIDE	1	$\eta$ up (%)	22.9	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120	$\eta$ down (%)	77.1	CIBSE SHR MAX	1.55	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2°C  
 Operators: Dano  
 Test Date: 2022-09-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity: 55.3%  
 Test Distance: 2.900m [K=0.8817]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	317.8	316.6	316.3	317.9	318.9	315.1	310.2	313.8	0- 10	30.31	30.31	1.7,1.7
20	314.3	307.7	301.9	309.8	316.2	304.5	290.1	301.5	10- 20	88.11	118.4	6.65,6.65
30	308.8	292.5	276.4	295.6	311.3	288.1	261.0	283.7	20- 30	137.8	256.2	14.4,14.4
40	300.6	272.5	241.3	276.1	303.8	268.2	221.7	262.8	30- 40	175.3	431.5	24.2,24.2
50	290.5	249.2	197.5	252.3	293.9	244.3	175.2	238.2	40- 50	197.9	629.4	35.3,35.3
60	278.2	224.4	146.8	226.9	282.0	219.3	123.1	212.9	50- 60	205.1	834.6	46.9,46.9
70	263.3	199.7	92.99	201.4	268.0	194.7	68.98	188.5	60- 70	198.6	1033	58,58
80	245.1	176.3	39.75	177.1	249.6	171.2	21.19	165.5	70- 80	181.5	1215	68.2,68.2
90	223.6	153.8	2.887	153.8	227.8	148.8	0.9280	143.7	80- 90	159.0	1374	77.1,77.1
100	198.1	131.3	1.184	130.8	201.9	124.8	1.184	119.9	90-100	136.5	1510	84.8,84.8
110	164.9	104.5	1.143	103.3	166.9	96.08	1.098	92.42	100-110	109.0	1619	90.9,90.9
120	127.1	75.67	1.053	74.49	128.5	67.89	0.9534	64.92	110-120	77.99	1697	95.3,95.3
130	89.72	47.15	0.8973	47.18	89.94	41.27	0.8182	38.69	120-130	48.73	1746	98,98
140	53.07	21.31	0.7040	21.97	53.33	18.08	0.7060	12.20	130-140	25.14	1771	99.4,99.4
150	19.52	1.082	0.5905	0.7954	19.86	0.9298	0.6757	0.6264	140-150	8.981	1780	99.9,99.9
160	0.3894	0.4829	0.5506	0.4668	0.5094	0.5447	0.6270	0.5829	150-160	1.116	1781	100,100
170	0.4054	0.4881	0.5352	0.4681	0.4940	0.5234	0.5929	0.5735	160-170	0.1452	1781	100,100
180	0.4794	0.5107	0.5150	0.5039	0.4758	0.4876	0.5228	0.5197	170-180	0.0487	1781	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 528.62 lm

%lum = 29.7%  
 %lamp = 29.7%

Conical surface Flux(120deg): 834.55 lm

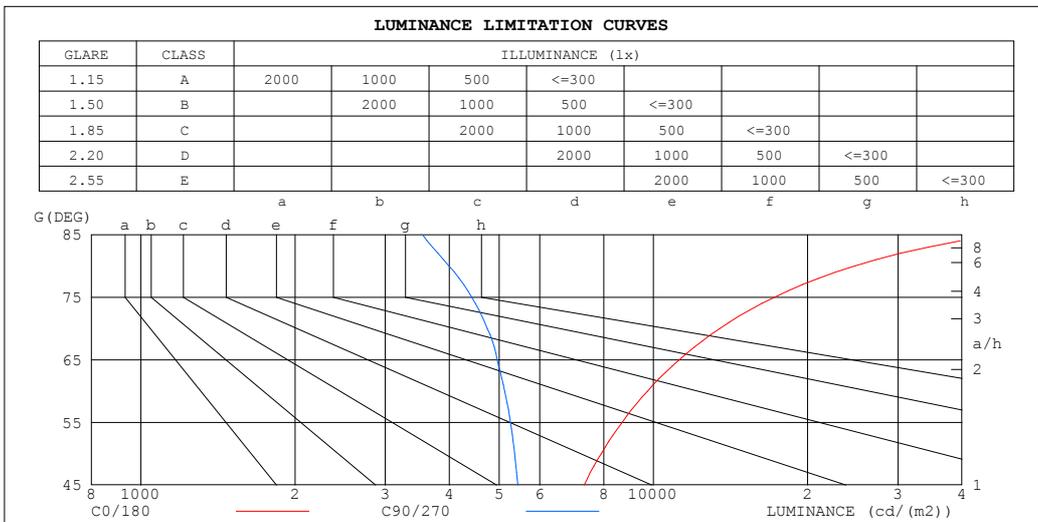
%lum = 46.9%  
 %lamp = 46.9%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Dano  
 Test Date:2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:2.900m [K=0.8817]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	47170	3546
80	24703	3995
75	17221	4422
70	13473	4745
65	11235	4960
60	9738	5125
55	8686	5263
50	7909	5361
45	7325	5438

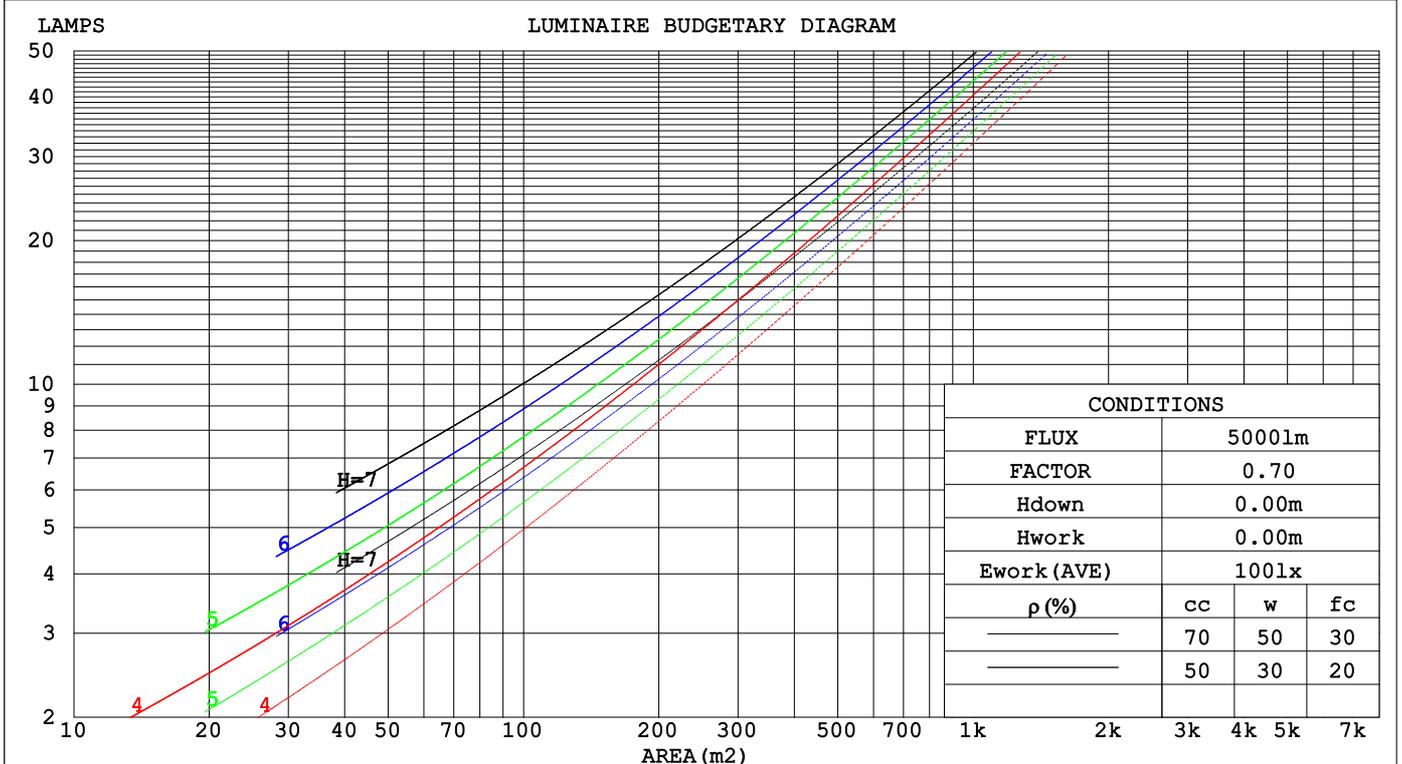
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2°C  
 Operators: Dano  
 Test Date: 2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity: 55.3%  
 Test Distance: 2.900m [K=0.8817]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.93	.88	.83	.89	.84	.79	.80	.76	.72	.72	.69	.66	.65	.63	.60	.56
2.0	.79	.71	.64	.75	.68	.62	.68	.62	.57	.61	.56	.52	.55	.51	.48	.44
3.0	.69	.59	.52	.65	.57	.50	.59	.52	.46	.53	.47	.43	.48	.43	.39	.36
4.0	.60	.50	.43	.57	.48	.42	.52	.44	.38	.47	.40	.35	.42	.37	.33	.30
5.0	.53	.44	.36	.51	.42	.35	.46	.38	.33	.41	.35	.30	.37	.32	.28	.25
6.0	.47	.38	.31	.45	.37	.30	.41	.34	.28	.37	.31	.26	.34	.28	.24	.21
7.0	.43	.34	.27	.41	.32	.26	.37	.30	.25	.34	.28	.23	.31	.25	.21	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.31	.25	.20	.28	.23	.19	.16
9.0	.35	.27	.21	.34	.26	.21	.31	.24	.19	.28	.22	.18	.26	.21	.17	.15
10.0	.33	.24	.19	.31	.24	.19	.29	.22	.17	.26	.20	.16	.24	.19	.15	.13



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Dano  
 Test Date:2022-09-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:2.900m [K=0.8817]  
 Remarks:

**WEC AND CCEC**

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.405	.231	.073	.391	.223	.071	.364	.209	.067	.340	.196	.063	.317	.184	.059	
2.0	.345	.189	.058	.332	.183	.056	.308	.171	.053	.285	.160	.050	.265	.150	.047	
3.0	.303	.161	.048	.292	.156	.047	.270	.146	.044	.249	.137	.042	.231	.128	.040	
4.0	.271	.141	.041	.261	.137	.040	.241	.128	.038	.222	.119	.036	.205	.111	.034	
5.0	.246	.125	.036	.236	.121	.035	.218	.113	.033	.201	.106	.032	.185	.099	.030	
6.0	.224	.112	.032	.216	.109	.031	.199	.102	.030	.183	.095	.028	.169	.089	.026	
7.0	.206	.102	.029	.198	.099	.028	.183	.093	.027	.169	.087	.025	.156	.081	.024	
8.0	.191	.093	.026	.184	.090	.026	.170	.085	.024	.157	.079	.023	.144	.074	.022	
9.0	.178	.086	.024	.171	.083	.023	.158	.078	.022	.146	.073	.021	.134	.068	.020	
10.0	.166	.080	.022	.160	.077	.022	.148	.072	.020	.137	.068	.019	.126	.063	.018	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.365	.365	.365	.312	.312	.312	.213	.213	.213	.122	.122	.122	.039	.039	.039	
2.0	.356	.309	.269	.305	.266	.232	.209	.184	.162	.121	.107	.095	.039	.035	.031	
3.0	.349	.292	.248	.299	.252	.215	.205	.175	.151	.119	.102	.089	.038	.033	.029	
4.0	.341	.280	.234	.293	.242	.203	.201	.169	.143	.116	.099	.085	.037	.032	.028	
5.0	.333	.271	.224	.286	.234	.195	.197	.164	.138	.114	.096	.082	.037	.031	.027	
6.0	.326	.263	.217	.280	.228	.189	.193	.159	.134	.112	.094	.080	.036	.031	.026	
7.0	.319	.256	.212	.274	.222	.185	.189	.156	.131	.110	.092	.078	.036	.030	.026	
8.0	.312	.251	.209	.268	.217	.182	.186	.153	.129	.108	.090	.077	.035	.030	.025	
9.0	.306	.246	.206	.263	.213	.179	.182	.150	.127	.106	.089	.076	.034	.029	.025	
10.0	.300	.242	.203	.258	.210	.177	.179	.148	.126	.105	.087	.075	.034	.029	.025	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Dano  
 Test Date:2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:2.900m [K=0.8817]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	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	19.5	20.9	20.1	21.5	22.1	16.9	18.3	17.5	18.9	19.5
3H	22.6	23.8	23.2	24.4	25.1	18.6	19.8	19.2	20.4	21.1
4H	24.3	25.4	24.9	26.1	26.8	19.3	20.5	19.9	21.1	21.8
6H	26.1	27.3	26.8	27.9	28.7	19.8	20.9	20.5	21.6	22.3
8H	27.2	28.3	27.8	28.9	29.7	20.0	21.1	20.7	21.7	22.5
12H	28.4	29.4	29.0	30.1	30.9	20.1	21.2	20.8	21.8	22.6
4H 2H	20.1	21.3	20.7	21.9	22.7	18.3	19.5	18.9	20.1	20.8
3H	23.4	24.4	24.1	25.1	25.9	20.2	21.3	20.9	21.9	22.7
4H	25.3	26.3	26.0	26.9	27.7	21.1	22.1	21.8	22.8	23.6
6H	27.4	28.3	28.1	29.0	29.8	21.9	22.8	22.6	23.5	24.3
8H	28.6	29.4	29.3	30.1	31.0	22.2	23.0	22.9	23.7	24.6
12H	29.9	30.7	30.6	31.4	32.3	22.4	23.2	23.2	23.9	24.8
8H 4H	25.7	26.5	26.4	27.2	28.1	22.5	23.3	23.2	24.0	24.9
6H	28.1	28.8	28.9	29.5	30.4	23.7	24.4	24.5	25.2	26.1
8H	29.5	30.1	30.3	30.9	31.8	24.3	24.9	25.0	25.7	26.6
12H	31.1	31.6	31.9	32.4	33.4	24.7	25.3	25.5	26.1	27.0
12H 4H	25.7	26.4	26.4	27.2	28.1	23.0	23.7	23.7	24.5	25.3
6H	28.2	28.9	29.0	29.6	30.5	24.5	25.1	25.2	25.9	26.8
8H	29.8	30.3	30.5	31.1	32.0	25.2	25.8	26.0	26.6	27.5

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 0.1	+ 0.1 / - 0.1
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.3 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117, 1781 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.0)  
Area: 0.0572555 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2022-09-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
Humidity:55.3%  
Test Distance:2.900m [K=0.8817]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

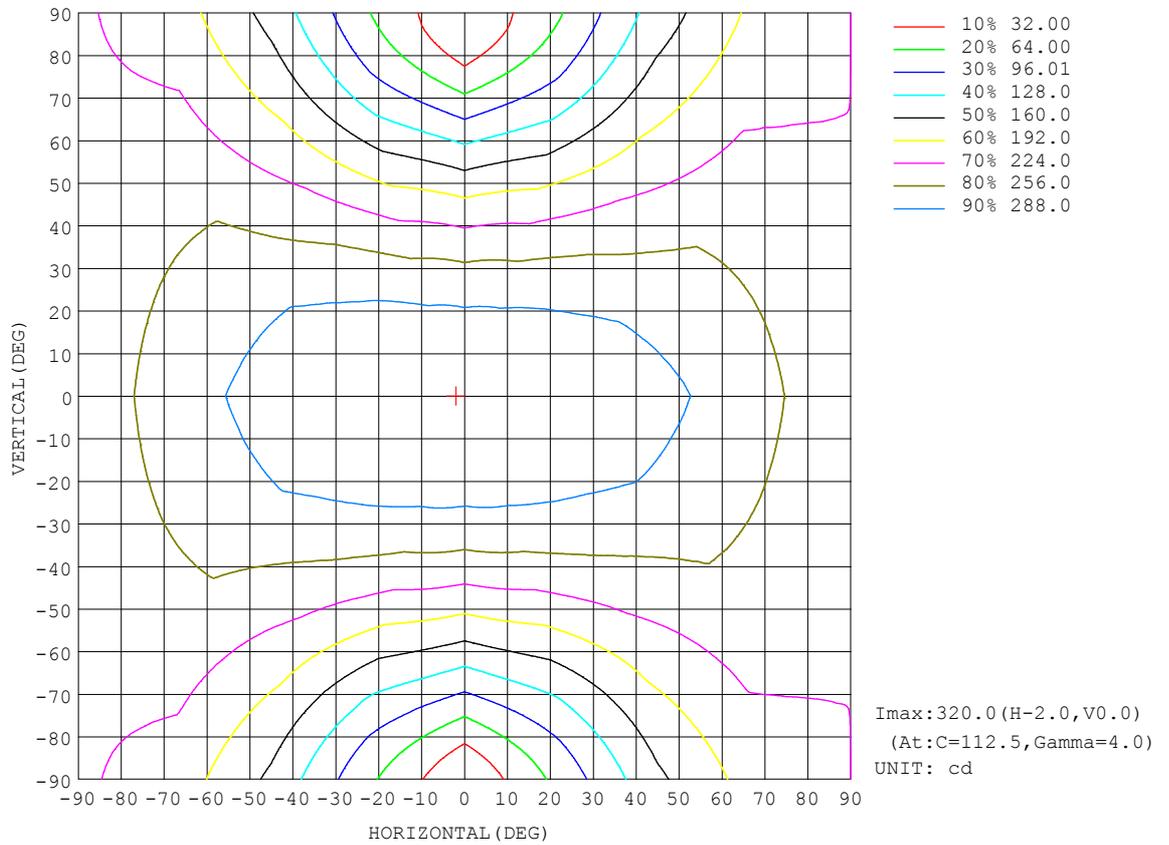
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	45	32	25	44	32	25	42	31	24	17
0.80	54	40	32	52	40	32	49	38	31	23
1.00	61	48	39	59	47	39	56	47	37	28
1.25	68	55	46	66	54	45	61	51	43	33
1.50	73	60	51	71	59	50	65	55	48	37
2.00	81	69	60	77	67	59	71	62	55	43
2.50	86	75	66	82	72	64	75	67	60	47
3.00	89	79	71	85	76	69	78	71	65	50
4.00	94	86	79	90	82	76	82	76	71	55
5.00	97	90	83	93	86	80	85	79	74	58
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Dano  
 Test Date:2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:2.900m [K=0.8817]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

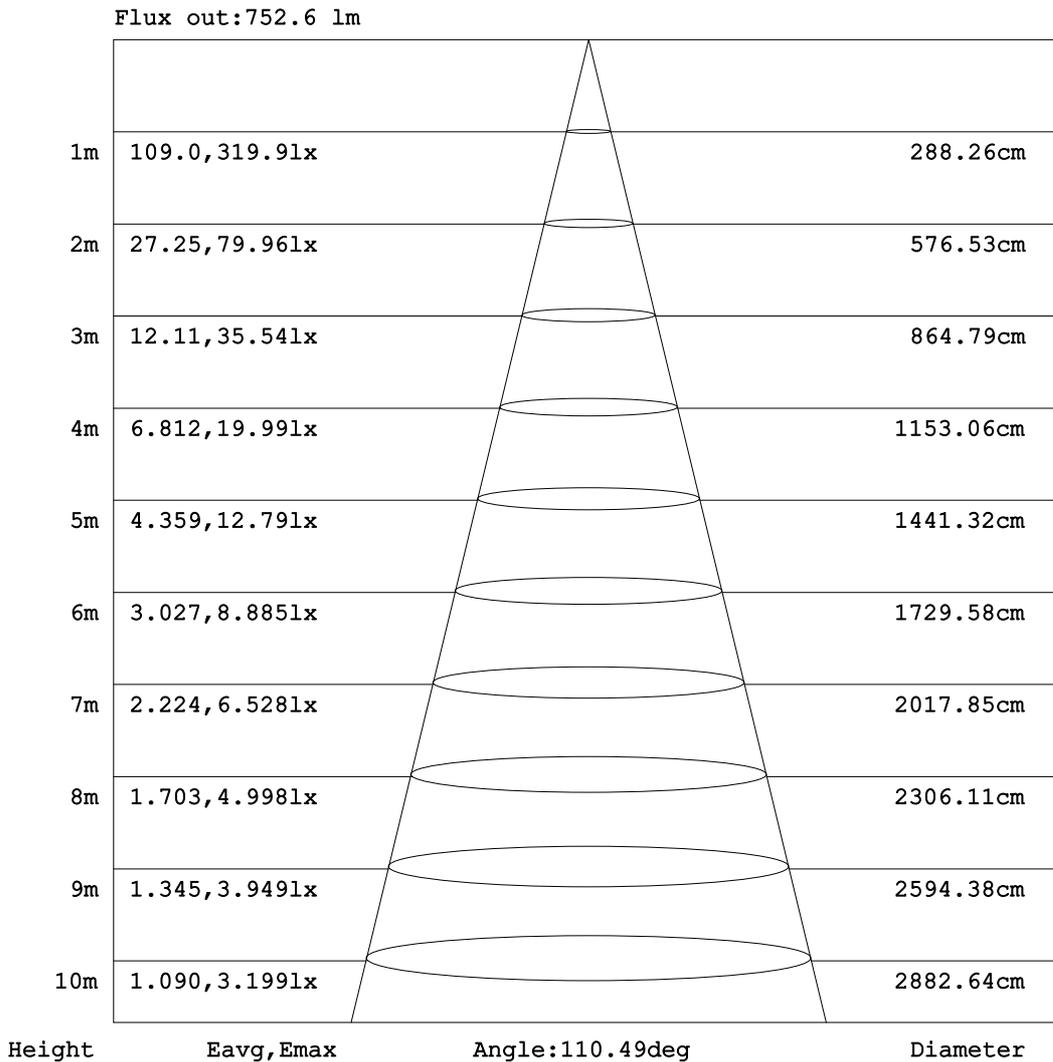


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Dano  
 Test Date:2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:2.900m [K=0.8817]  
 Remarks:

**AAI Figure**

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



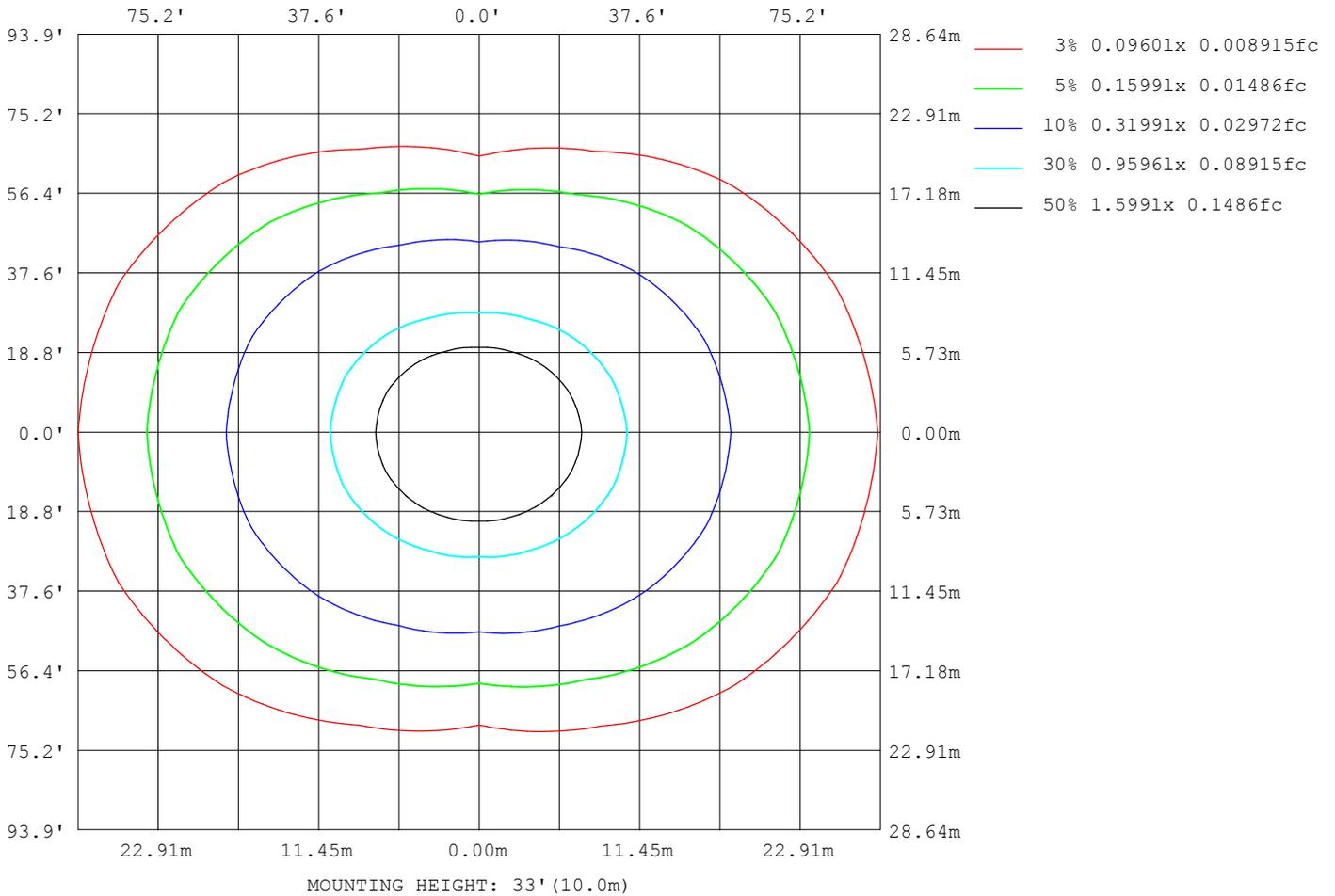
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Dano  
 Test Date:2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:2.900m [K=0.8817]  
 Remarks:

**ISOLUX DIAGRAM**

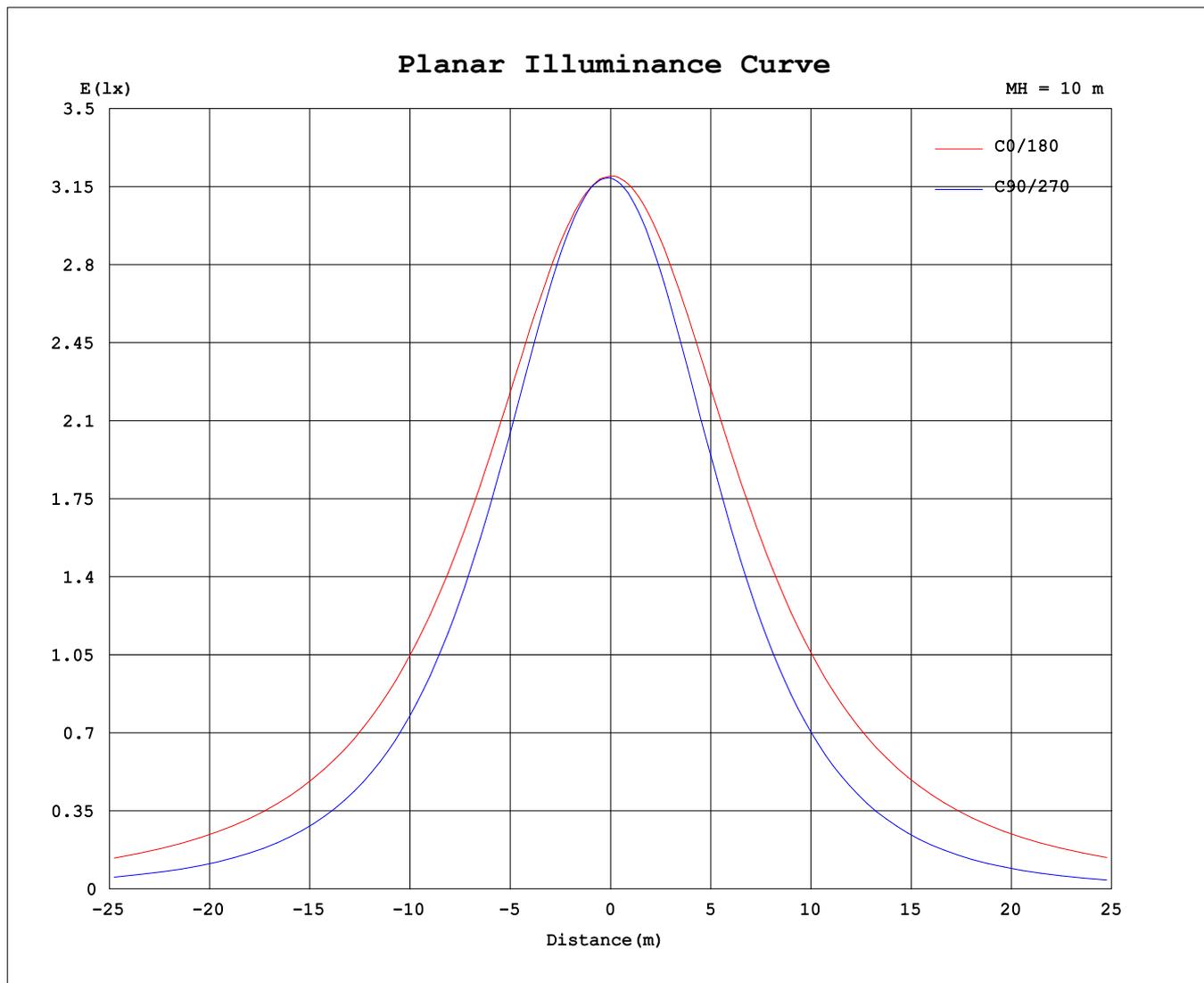
Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2°C  
 Operators: Dano  
 Test Date: 2022-09-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity: 55.3%  
 Test Distance: 2.900m [K=0.8817]  
 Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.2°C  
Operators: Dano  
Test Date: 2022-09-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
Humidity: 55.3%  
Test Distance: 2.900m [K=0.8817]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2019A P:24.12W PF:0.9940 Freq:60.01Hz Lamp Flux:1781.25x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	319	319	319	319	319	319	319	319	319	319	319	319	319	319	319	319			
5	319	319	319	319	319	319	319	319	319	319	318	317	316	316	317	318			
10	318	317	317	317	316	317	318	319	319	318	315	312	310	311	314	316			
15	316	315	313	311	310	312	315	318	318	316	311	304	301	303	308	313			
20	314	312	308	304	302	305	310	315	316	313	305	294	290	294	301	310			
25	312	309	301	294	291	295	303	312	314	309	297	282	276	281	293	305			
30	309	304	293	282	276	283	296	308	311	305	288	269	261	268	284	300			
35	305	299	283	268	260	269	286	303	308	300	278	254	242	252	274	294			
40	301	293	272	252	241	252	276	298	304	294	268	236	222	234	263	288			
45	296	286	261	234	220	235	265	291	299	287	257	218	199	216	251	281			
50	291	279	249	215	197	215	252	284	294	281	244	198	175	196	238	274			
55	285	272	237	196	173	195	240	277	288	273	232	178	150	176	226	267			
60	278	264	224	175	147	175	227	269	282	266	219	158	123	155	213	259			
65	271	256	212	155	120	154	214	261	275	258	207	138	95.9	135	201	250			
70	263	247	200	135	93.0	134	201	252	268	249	195	119	69.0	116	189	241			
75	255	238	188	117	65.6	115	189	243	259	240	183	102	43.3	98.5	177	232			
80	245	228	176	101	39.7	97.7	177	233	250	230	171	87.3	21.2	84.0	166	222			
85	235	217	165	86.7	17.7	82.8	165	222	239	219	160	75.0	4.98	71.9	154	211			
90	224	206	154	75.0	2.89	70.7	154	211	228	208	149	65.6	0.93	62.8	144	200			
95	212	195	143	65.9	0.99	61.7	143	200	216	196	138	56.5	1.19	54.2	133	188			
100	198	181	131	56.7	1.18	52.2	131	187	202	182	125	47.0	1.18	45.4	120	174			
105	182	165	118	47.3	1.17	42.7	118	171	185	166	111	38.0	1.15	36.8	106	158			
110	165	149	104	38.3	1.14	33.8	103	154	167	149	96.1	29.5	1.10	28.6	92.4	141			
115	146	131	90.0	29.3	1.10	25.5	88.7	136	148	131	81.9	21.3	1.03	20.3	78.5	123			
120	127	114	75.7	21.1	1.05	17.7	74.5	119	128	113	67.9	13.6	0.95	12.4	64.9	106			
125	109	96.1	61.7	13.4	0.99	10.3	60.5	101	109	94.9	54.3	6.42	0.88	6.12	51.7	88.1			
130	89.7	78.5	47.1	6.51	0.90	3.62	47.2	83.1	89.9	77.4	41.3	1.09	0.82	1.15	38.7	70.8			
135	71.2	61.2	34.0	1.12	0.81	1.00	34.3	65.8	71.3	60.5	29.1	0.86	0.75	0.89	25.8	53.7			
140	53.1	44.6	21.3	0.81	0.70	0.78	22.0	49.0	53.3	44.6	18.1	0.74	0.71	0.76	12.2	36.9			
145	35.9	28.7	10.7	0.67	0.64	0.65	10.5	33.0	36.1	29.9	8.69	0.70	0.70	0.70	1.27	20.4			
150	19.5	13.9	1.08	0.60	0.59	0.58	0.80	18.0	19.9	16.2	0.93	0.66	0.68	0.66	0.63	5.04			
155	4.89	1.13	0.51	0.56	0.57	0.54	0.50	4.40	5.07	3.57	0.57	0.63	0.65	0.64	0.60	0.56			
160	0.39	0.41	0.48	0.54	0.55	0.52	0.47	0.42	0.51	0.51	0.54	0.59	0.63	0.62	0.58	0.54			
165	0.39	0.42	0.48	0.53	0.54	0.51	0.46	0.41	0.49	0.50	0.52	0.57	0.61	0.61	0.58	0.53			
170	0.41	0.44	0.49	0.53	0.54	0.51	0.47	0.43	0.49	0.49	0.52	0.57	0.59	0.60	0.57	0.54			
175	0.44	0.47	0.51	0.54	0.54	0.52	0.49	0.46	0.49	0.49	0.51	0.54	0.57	0.57	0.56	0.53			
180	0.48	0.49	0.51	0.51	0.51	0.52	0.50	0.48	0.48	0.48	0.49	0.51	0.52	0.53	0.52	0.50			

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