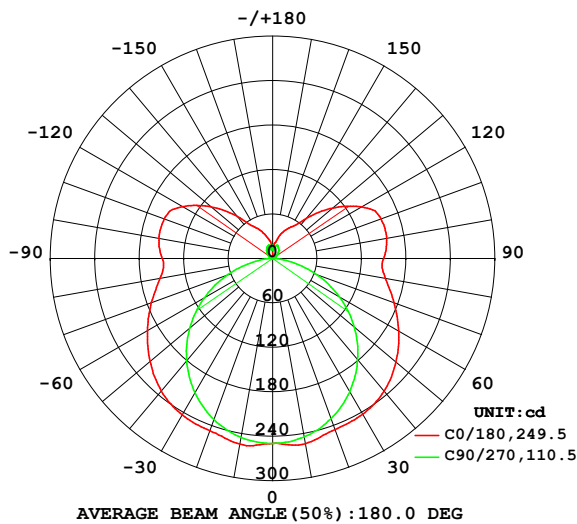


LUMINAIRE PHOTOMETRIC TEST REPORT

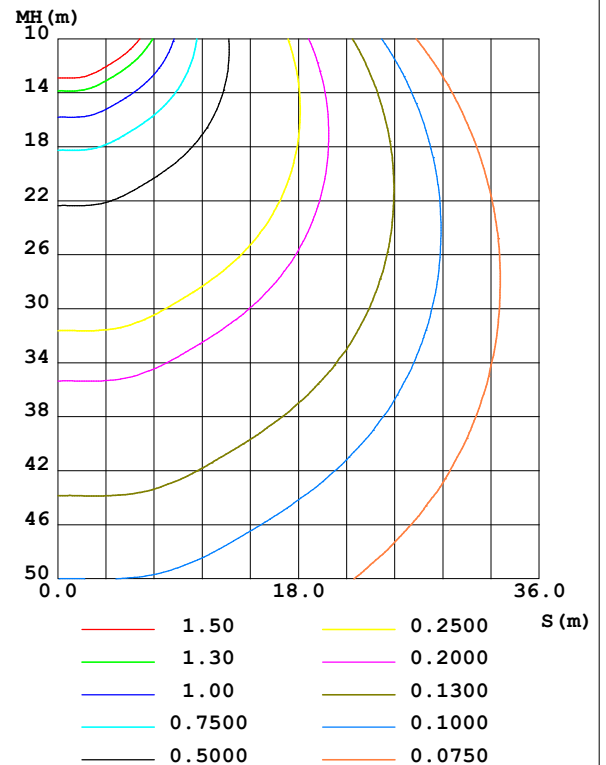
Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.55 lm/W
MODEL		Imax (cd)	255.1	S/MH (C0/180)	1.47	
NOMINAL POWER(W)		LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1431.4	η UP,DN (C0-180)	14.9,34.9	
NOMINAL FLUX(lm)	1431.43	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	15.0,35.2	
LAMPS INSIDE	1	η up (%)	29.9	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down (%)	70.1	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2°C
Operators: Dano
Test Date: 2023-05-31

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=0.8810]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	253.9	251.5	244.8	251.8	254.6	252.6	245.3	251.4	0- 10	23.94	23.94	1.67,1.67
20	245.9	240.2	230.3	241.5	247.5	242.8	231.5	241.1	10- 20	69.68	93.62	6.54,6.54
30	242.9	225.7	208.2	227.1	243.7	229.0	209.6	226.0	20- 30	108.3	201.9	14.1,14.1
40	234.1	210.5	178.4	211.1	233.7	212.6	180.8	211.2	30- 40	137.2	339.1	23.7,23.7
50	217.4	188.9	143.9	189.4	215.9	189.9	145.9	190.9	40- 50	152.7	491.8	34.4,34.4
60	196.5	161.5	104.6	161.8	195.3	161.7	106.6	164.7	50- 60	153.5	645.3	45.1,45.1
70	174.2	130.9	62.41	132.8	174.2	131.6	64.36	135.3	60- 70	140.6	785.9	54.9,54.9
80	154.6	104.4	22.44	107.6	154.3	104.8	24.03	109.4	70- 80	118.5	904.4	63.2,63.2
90	149.8	95.06	0.5914	99.41	149.1	94.25	0.6375	100.3	80- 90	98.93	1003	70.1,70.1
100	156.2	101.2	1.852	105.8	155.9	100.4	1.735	106.7	90-100	99.55	1103	77,77
110	155.8	100.9	2.783	104.0	155.8	100.5	2.678	105.4	100-110	98.57	1201	83.9,83.9
120	139.1	80.72	5.209	83.89	140.2	81.30	5.448	83.18	110-120	84.28	1286	89.8,89.8
130	106.1	49.89	9.043	59.92	108.6	57.89	9.239	57.70	120-130	61.09	1347	94.1,94.1
140	70.73	35.61	12.99	42.08	73.98	41.40	12.49	43.85	130-140	38.76	1386	96.8,96.8
150	49.01	32.96	16.22	35.25	49.46	37.23	15.85	33.81	140-150	23.47	1409	98.4,98.4
160	36.55	27.32	18.92	26.97	36.63	32.14	18.45	24.49	150-160	14.09	1423	99.4,99.4
170	21.95	16.03	12.65	20.94	24.59	23.74	12.50	17.42	160-170	6.808	1430	99.9,99.9
180	10.51	8.958	18.36	11.50	3.853	4.057	15.55	15.42	170-180	1.522	1431	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 414.42 lm

%lum = 29.0%

%lamp = 29.0%

Conical surface Flux(120deg): 645.33 lm

%lum = 45.1%

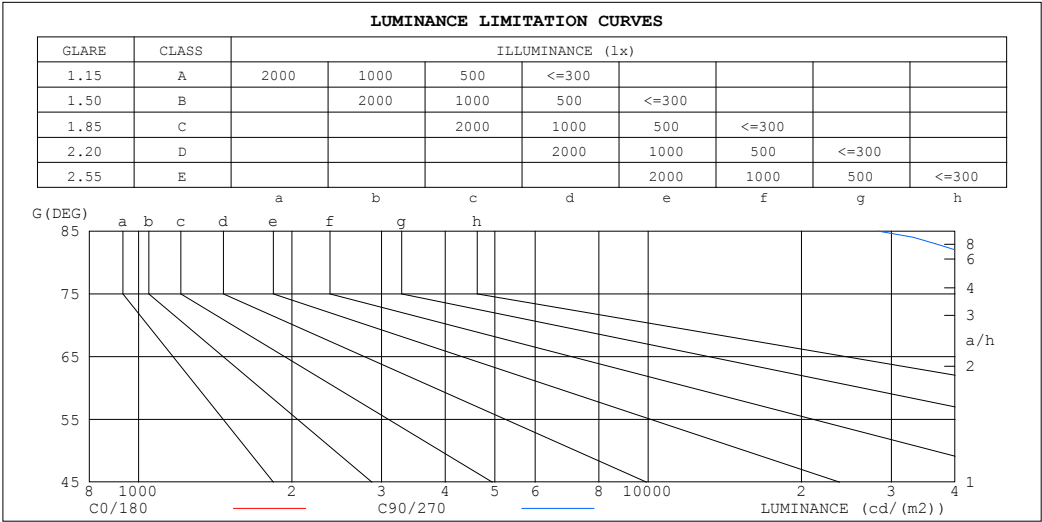
%lamp = 45.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 Operators:Dano
 Test Date:2023-05-31

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=0.8810]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	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	603622	28339
80	315501	45740
75	223961	56695
70	180473	64574
65	155400	69990
60	139241	74053
55	128104	76905
50	119866	79234
45	113609	81038

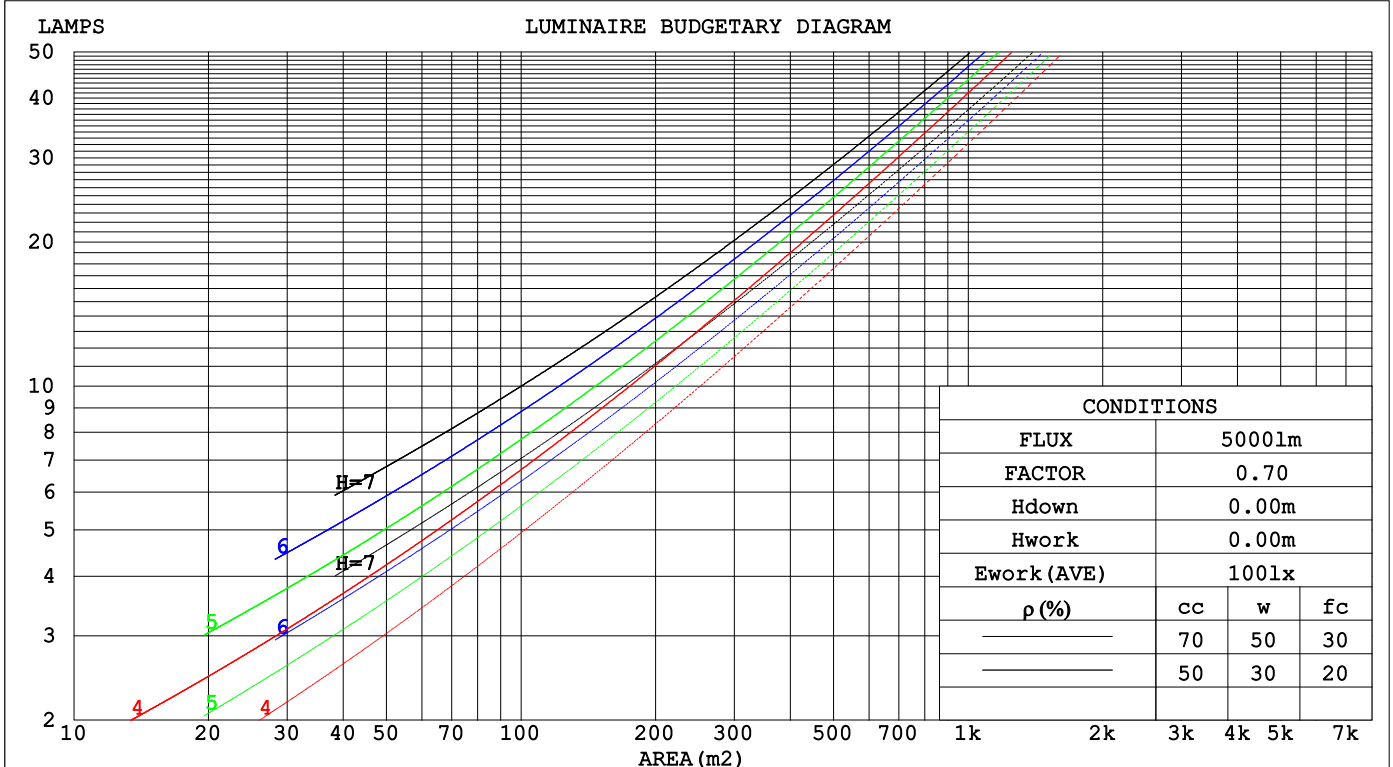
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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=0.8810]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	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 Coefficients of Utilization(CU)															
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.75	.75	.75	.70
1.0	.93	.88	.83	.88	.84	.79	.78	.75	.71	.69	.66	.64	.61	.59	.57	.53
2.0	.80	.72	.66	.75	.69	.63	.67	.62	.57	.59	.55	.51	.52	.49	.46	.42
3.0	.69	.61	.54	.65	.58	.51	.58	.52	.46	.51	.46	.42	.45	.41	.38	.34
4.0	.61	.52	.45	.57	.49	.43	.51	.44	.39	.45	.40	.35	.40	.35	.32	.28
5.0	.54	.45	.38	.51	.43	.36	.45	.38	.33	.40	.35	.30	.36	.31	.27	.24
6.0	.48	.39	.33	.46	.37	.31	.41	.34	.29	.36	.30	.26	.32	.27	.23	.21
7.0	.43	.35	.28	.41	.33	.27	.37	.30	.25	.33	.27	.23	.29	.24	.21	.18
8.0	.39	.31	.25	.37	.29	.24	.34	.27	.22	.30	.24	.20	.27	.22	.18	.16
9.0	.36	.28	.22	.34	.27	.21	.31	.24	.20	.28	.22	.18	.25	.20	.16	.14
10.0	.33	.25	.20	.31	.24	.19	.28	.22	.18	.26	.20	.16	.23	.18	.15	.13



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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=0.8810]
Remarks:

WEC AND CCEC

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	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	.374	.212	.067	.357	.204	.065	.327	.187	.060	.299	.172	.055	.273	.158	.051	
2.0	.324	.177	.054	.309	.170	.052	.281	.156	.049	.256	.143	.045	.232	.131	.041	
3.0	.288	.153	.046	.274	.147	.044	.249	.135	.041	.226	.124	.038	.204	.113	.035	
4.0	.259	.135	.040	.247	.129	.038	.224	.119	.036	.203	.109	.033	.183	.099	.030	
5.0	.236	.120	.035	.225	.116	.034	.204	.106	.031	.184	.097	.029	.166	.089	.027	
6.0	.217	.109	.031	.206	.104	.030	.187	.096	.028	.169	.088	.026	.152	.080	.024	
7.0	.200	.099	.028	.191	.095	.027	.173	.087	.025	.156	.080	.023	.141	.073	.021	
8.0	.186	.091	.025	.177	.087	.025	.161	.080	.023	.145	.074	.021	.131	.067	.020	
9.0	.173	.084	.023	.165	.080	.023	.150	.074	.021	.136	.068	.019	.122	.062	.018	
10.0	.162	.078	.022	.155	.075	.021	.140	.069	.019	.127	.063	.018	.114	.058	.017	

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	.418	.418	.418	.358	.358	.358	.244	.244	.244	.140	.140	.140	.045	.045	.045	
1.0	.414	.385	.359	.355	.331	.309	.243	.228	.214	.140	.132	.124	.045	.042	.040	
2.0	.408	.363	.325	.349	.313	.281	.239	.216	.196	.138	.126	.115	.044	.041	.037	
3.0	.400	.347	.304	.343	.299	.264	.236	.208	.185	.136	.121	.109	.044	.039	.036	
4.0	.393	.335	.290	.337	.289	.252	.232	.202	.178	.134	.118	.105	.043	.038	.035	
5.0	.386	.325	.281	.331	.281	.244	.228	.197	.172	.132	.115	.102	.043	.038	.034	
6.0	.378	.317	.274	.325	.275	.238	.224	.192	.169	.130	.113	.100	.042	.037	.033	
7.0	.372	.311	.269	.320	.270	.234	.221	.189	.166	.128	.111	.099	.041	.036	.033	
8.0	.365	.306	.265	.314	.265	.231	.217	.186	.164	.126	.110	.098	.041	.036	.032	
9.0	.359	.301	.262	.309	.261	.228	.214	.184	.162	.125	.108	.097	.040	.036	.032	
10.0	.353	.297	.259	.305	.258	.226	.211	.181	.161	.123	.107	.096	.040	.035	.032	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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=0.8810]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm											
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K					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	2H	25.6	28.0	27.0	29.4	31.2	22.7	25.1	24.1	26.6	28.3
	3H	28.3	30.5	29.8	32.0	33.8	24.1	26.3	25.5	27.8	29.6
	4H	29.8	31.8	31.2	33.4	35.2	24.5	26.6	26.0	28.1	29.9
	6H	31.4	33.3	32.9	34.9	36.7	24.7	26.7	26.2	28.2	30.1
	8H	32.3	34.2	33.8	35.7	37.6	24.7	26.6	26.2	28.1	30.0
	12H	33.3	35.1	34.9	36.7	38.6	24.6	26.5	26.2	28.0	29.9
4H	2H	25.7	27.8	27.2	29.3	31.1	23.7	25.8	25.1	27.3	29.1
	3H	28.7	30.5	30.2	32.1	34.0	25.4	27.2	26.9	28.8	30.7
	4H	30.3	32.0	31.9	33.6	35.6	26.0	27.7	27.6	29.3	31.2
	6H	32.2	33.7	33.8	35.3	37.3	26.4	27.9	28.0	29.5	31.5
	8H	33.3	34.6	34.9	36.3	38.3	26.5	27.9	28.1	29.5	31.6
	12H	34.5	35.8	36.1	37.4	39.5	26.5	27.8	28.2	29.5	31.5
8H	4H	30.5	31.9	32.1	33.5	35.5	27.2	28.6	28.8	30.2	32.2
	6H	32.6	33.8	34.3	35.5	37.6	28.0	29.2	29.7	30.9	33.0
	8H	33.9	35.0	35.6	36.7	38.8	28.3	29.4	30.0	31.1	33.2
	12H	35.4	36.4	37.2	38.1	40.3	28.5	29.5	30.2	31.2	33.4
12H	4H	30.4	31.7	32.1	33.4	35.4	27.6	28.9	29.2	30.5	32.6
	6H	32.7	33.7	34.4	35.5	37.6	28.7	29.8	30.4	31.5	33.6
	8H	34.1	35.0	35.8	36.7	38.9	29.3	30.2	31.0	31.9	34.1
CIE190: 2010											

CIE190: 2010
Area: 0.002827 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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=0.8810]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

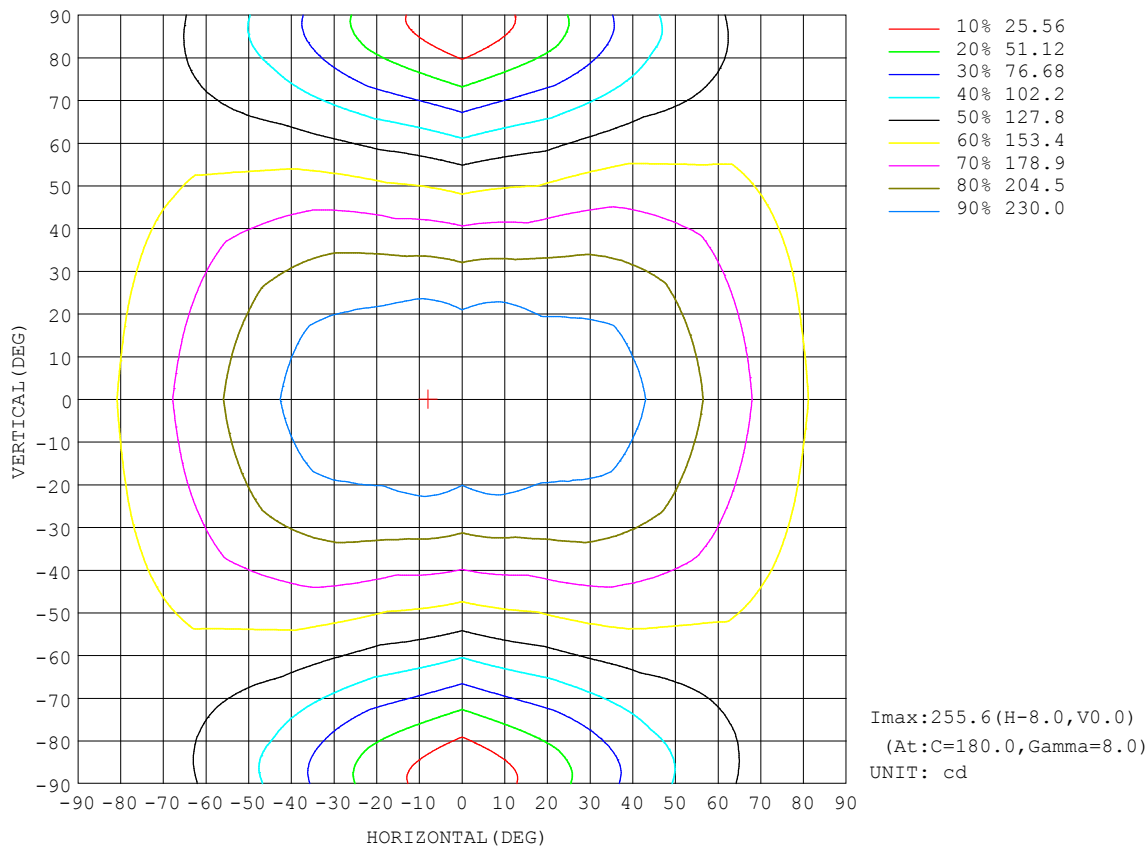
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	32	25	43	31	24	40	30	24	17
0.80	53	40	32	51	39	32	48	37	30	22
1.00	61	48	39	59	46	39	54	46	37	27
1.25	68	55	46	65	53	45	60	50	43	32
1.50	73	61	52	70	58	50	64	54	47	35
2.00	81	69	61	77	66	59	69	61	55	41
2.50	85	75	66	81	71	64	73	65	59	44
3.00	89	79	72	84	76	69	76	69	64	47
4.00	94	86	79	89	82	75	80	74	69	51
5.00	97	90	84	92	85	80	82	77	73	54
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℃
 Operators: Dano
 Test Date: 2023-05-31

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=0.8810]
 Remarks:

ISOCANDELA DIAGRAM

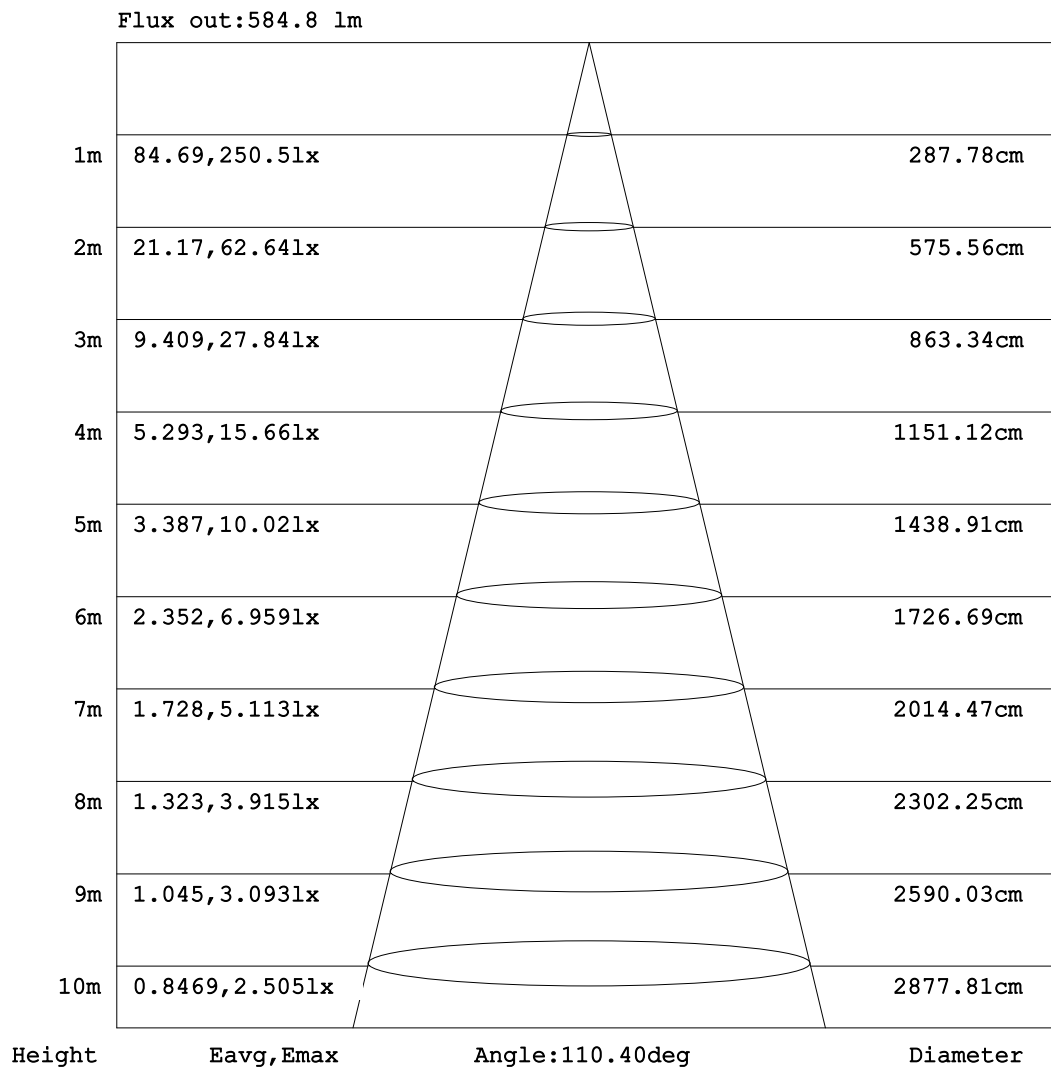
Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Temperature:25.2℃	Humidity:55.3%
Operators:Dano	Test Distance:2.900m [K=0.8810]
Test Date:2023-05-31	Remarks:

AAI Figure

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



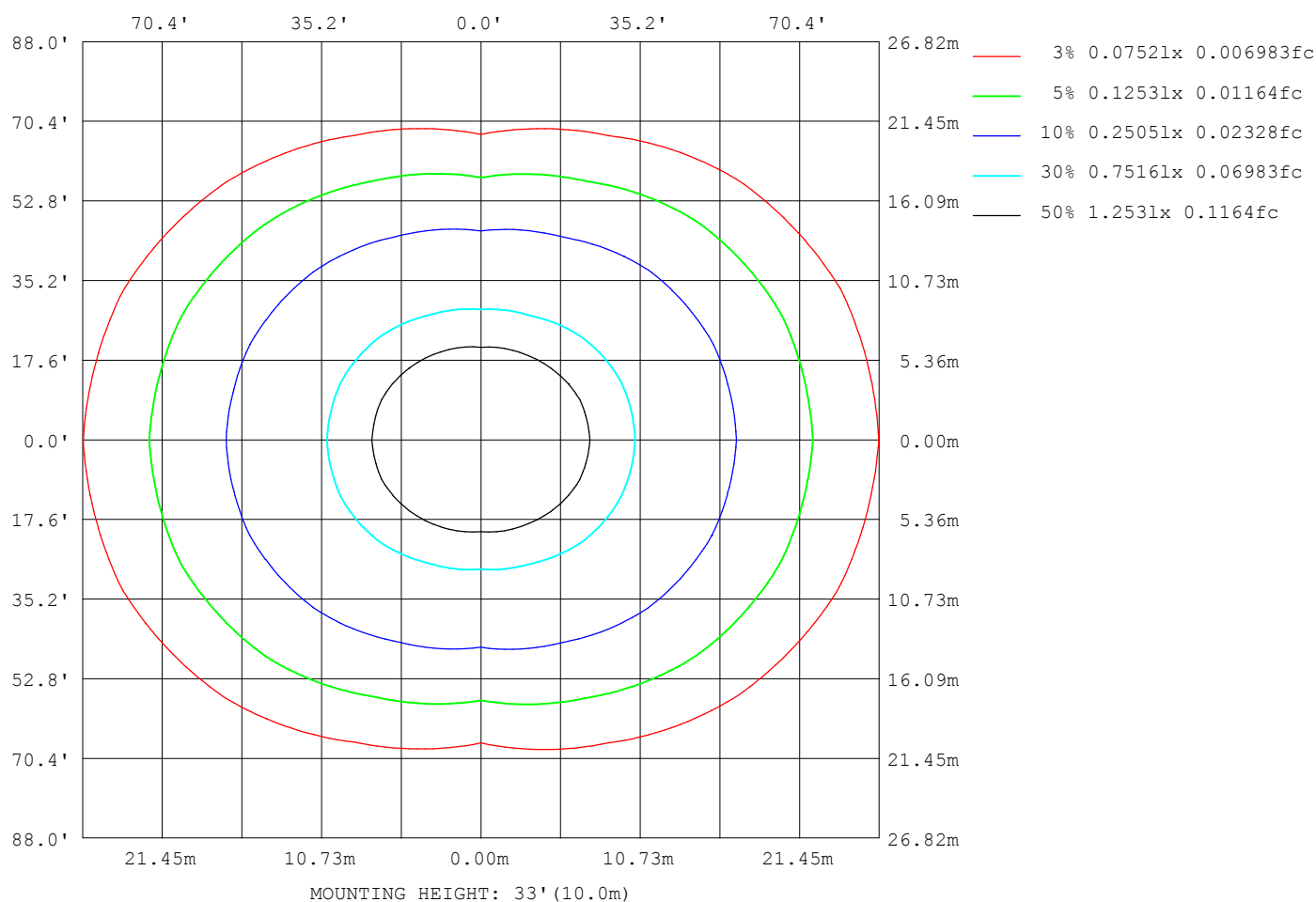
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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=0.8810]
Remarks:

ISOLUX DIAGRAM

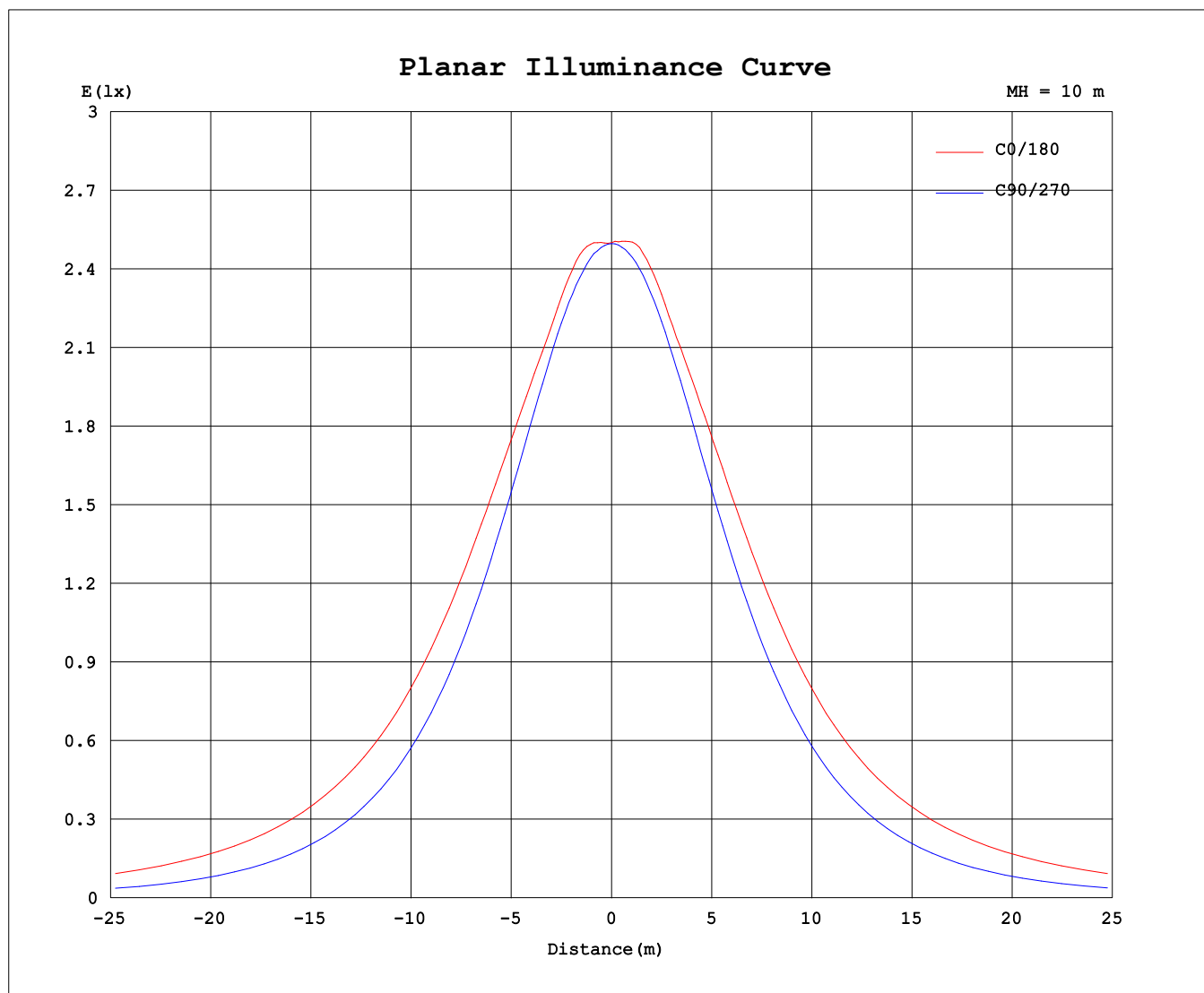
Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2°C
Operators: Dano
Test Date: 2023-05-31

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=0.8810]
Remarks:

Planar Illuminance Curve



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C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2℃
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γ Range: 0 - 180DEG
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Humidity: 55.3%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.2014A P:24.04W PF:0.9937 Freq:60.01Hz Lamp Flux:1431.43x1 lm																	
NAME: VN27-24-25S-952C5-MVTD-SB002 5000K									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	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250			
5	252	252	250	249	249	249	251	252	253	253	252	249	249	249	250	252			
10	254	253	251	247	245	248	252	254	255	254	253	248	245	247	251	253			
15	249	249	248	244	239	244	249	250	251	251	249	245	240	244	248	249			
20	246	243	240	237	230	238	241	246	248	246	243	240	231	238	241	244			
25	245	241	232	228	220	229	234	243	246	243	236	231	221	229	233	241			
30	243	238	226	216	208	217	227	239	244	240	229	220	210	218	226	239			
35	240	234	219	203	194	204	220	235	240	235	221	206	196	204	219	235			
40	234	228	211	189	178	189	211	228	234	229	213	192	181	189	211	229			
45	227	219	200	174	162	175	201	220	226	220	202	178	164	175	202	221			
50	217	209	189	160	144	159	189	209	216	209	190	163	146	160	191	212			
55	207	198	175	144	125	143	176	198	206	198	176	146	127	144	179	201			
60	196	186	161	127	105	127	162	187	195	186	162	129	107	128	165	189			
65	185	173	146	110	83.6	109	147	175	185	174	146	111	85.7	111	150	177			
70	174	161	131	91.5	62.4	90.7	133	164	174	162	132	92.4	64.4	93.2	135	165			
75	164	150	117	73.6	41.5	72.9	119	152	163	150	117	74.3	43.3	75.5	121	154			
80	155	140	104	57.7	22.4	57.3	108	143	154	140	105	58.2	24.0	59.5	109	144			
85	148	133	95.7	46.5	6.98	46.4	99.3	136	148	132	95.5	46.5	8.04	48.1	101	137			
90	150	133	95.1	44.4	0.59	44.8	99.4	137	149	133	94.3	43.4	0.64	45.8	100	138			
95	154	137	98.7	47.7	1.21	48.4	103	141	153	136	97.9	46.7	1.00	49.5	104	142			
100	156	140	101	50.5	1.85	50.6	106	144	156	139	100	49.4	1.74	52.1	107	144			
105	157	141	103	46.5	2.23	46.5	107	145	157	140	102	45.9	2.08	48.1	108	145			
110	156	140	101	39.5	2.78	40.7	104	144	156	139	101	39.3	2.68	42.1	105	144			
115	152	135	91.7	30.3	3.61	34.2	94.9	138	153	135	91.8	32.1	3.78	35.6	95.1	139			
120	139	123	80.7	23.6	5.21	30.5	83.9	126	140	123	81.3	25.6	5.45	31.7	83.2	126			
125	123	108	68.6	23.1	7.08	29.3	72.0	111	125	109	69.8	24.1	7.43	30.4	71.7	110			
130	106	92.1	49.9	23.3	9.04	27.9	59.9	95.5	109	93.9	57.9	23.5	9.24	29.0	57.7	91.9			
135	88.4	75.8	36.2	23.1	11.0	26.3	47.7	79.4	91.3	78.5	46.8	23.3	10.5	27.2	48.4	76.8			
140	70.7	60.2	35.6	22.5	13.0	24.7	42.1	63.1	74.0	63.4	41.4	23.5	12.5	25.2	43.8	61.6			
145	55.5	49.8	34.5	21.7	14.7	22.7	38.7	50.9	57.7	51.5	39.2	23.8	14.4	23.1	39.0	51.2			
150	49.0	44.7	33.0	20.8	16.2	22.0	35.3	45.1	49.5	46.8	37.2	24.1	15.9	21.0	33.8	41.6			
155	42.9	32.9	30.2	20.1	18.0	21.6	31.5	39.6	43.0	41.8	35.1	25.2	17.5	18.8	28.6	38.1			
160	36.5	20.8	27.3	19.9	18.9	20.9	27.0	34.0	36.6	36.3	32.1	24.9	18.4	18.7	24.5	31.7			
165	28.9	25.1	24.4	19.6	17.8	18.8	24.4	28.2	30.3	30.3	27.9	23.4	18.3	18.7	22.5	26.5			
170	22.0	21.9	16.0	11.6	12.6	15.1	20.9	23.7	24.6	24.8	23.7	21.1	12.5	13.6	17.4	22.4			
175	17.7	13.0	9.88	11.0	12.1	13.0	13.8	18.7	17.4	17.5	20.0	13.1	11.7	12.8	13.8	14.4			
180	10.5	3.17	8.96	16.1	18.4	16.7	11.5	8.38	3.85	3.89	4.06	9.62	15.5	17.6	15.4	12.6			

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