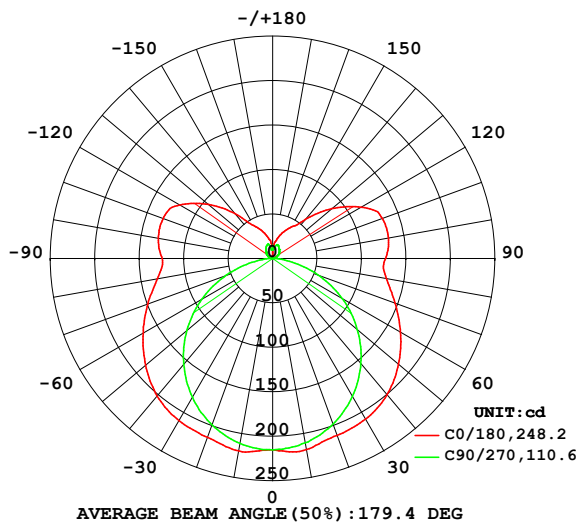


LUMINAIRE PHOTOMETRIC TEST REPORT

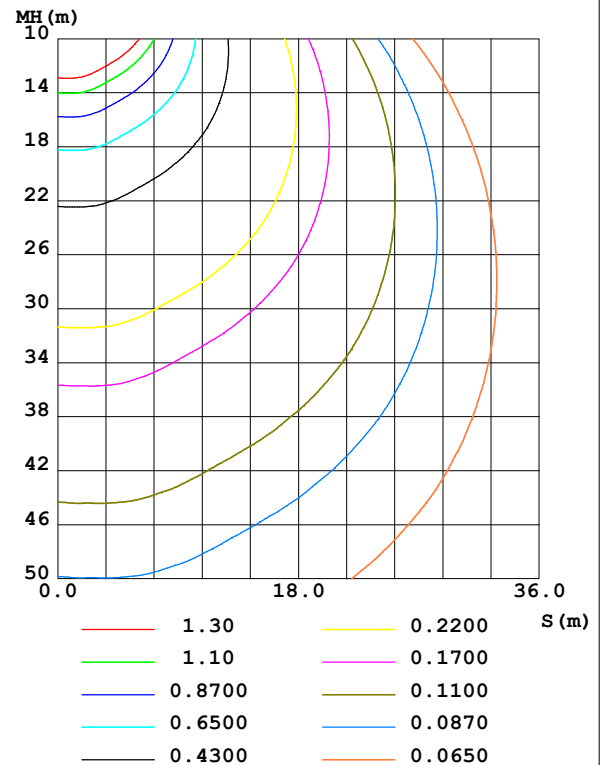
Test:U:120.1V I:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 50.31 lm/W
MODEL		Imax (cd)	220.0	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)	1223.8	η UP,DN (C0-180)	14.7,35.0	
NOMINAL FLUX(lm)	1223.78	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	14.9,35.3	
LAMPS INSIDE	1	η up (%)	29.7	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down (%)	70.3	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	218.2	217.1	210.6	217.1	219.8	217.1	211.3	217.2	0- 10	20.64	20.64	1.69,1.69
20	211.9	206.3	198.4	209.3	214.1	209.9	199.3	207.0	10- 20	60.06	80.69	6.59,6.59
30	208.6	193.9	179.3	196.9	210.7	196.9	180.4	195.7	20- 30	93.36	174.1	14.2,14.2
40	200.1	179.5	154.4	183.2	202.1	182.4	155.9	183.0	30- 40	118.2	292.2	23.9,23.9
50	185.0	160.1	124.4	164.7	186.8	162.7	125.9	165.0	40- 50	131.4	423.6	34.6,34.6
60	166.1	135.6	90.69	141.4	168.1	138.0	92.06	142.2	50- 60	131.8	555.5	45.4,45.4
70	146.5	108.5	54.33	116.9	149.4	111.3	55.66	116.8	60- 70	120.4	675.8	55.2,55.2
80	129.9	85.30	19.63	94.62	131.8	87.33	20.73	94.84	70- 80	101.0	776.9	63.5,63.5
90	127.2	78.02	0.5143	85.63	124.3	76.01	0.6330	88.11	80- 90	83.84	860.7	70.3,70.3
100	132.4	82.81	1.360	91.62	130.6	81.59	1.316	93.33	90-100	83.86	944.6	77.2,77.2
110	131.5	80.85	4.565	92.06	131.3	82.70	4.567	91.50	100-110	83.35	1028	84,84
120	115.5	63.41	6.964	75.96	120.6	67.58	6.993	71.56	110-120	71.52	1099	89.8,89.8
130	87.34	37.97	9.661	55.61	94.67	48.69	9.645	49.58	120-130	51.94	1151	94.1,94.1
140	57.41	29.27	12.04	37.77	65.75	35.01	11.56	37.39	130-140	33.09	1185	96.8,96.8
150	40.47	26.47	14.15	31.43	42.80	31.85	14.61	28.52	140-150	20.01	1205	98.4,98.4
160	29.89	22.00	16.31	24.23	32.14	27.92	16.82	20.80	150-160	12.08	1217	99.4,99.4
170	19.55	13.76	11.31	18.92	21.87	21.25	10.78	14.55	160-170	5.849	1222	99.9,99.9
180	0	7.886	15.30	9.837	3.524	3.749	13.48	12.74	170-180	1.332	1224	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 357.05 lm

%lum = 29.2%

%lamp = 29.2%

Conical surface Flux(120deg): 555.45 lm

%lum = 45.4%

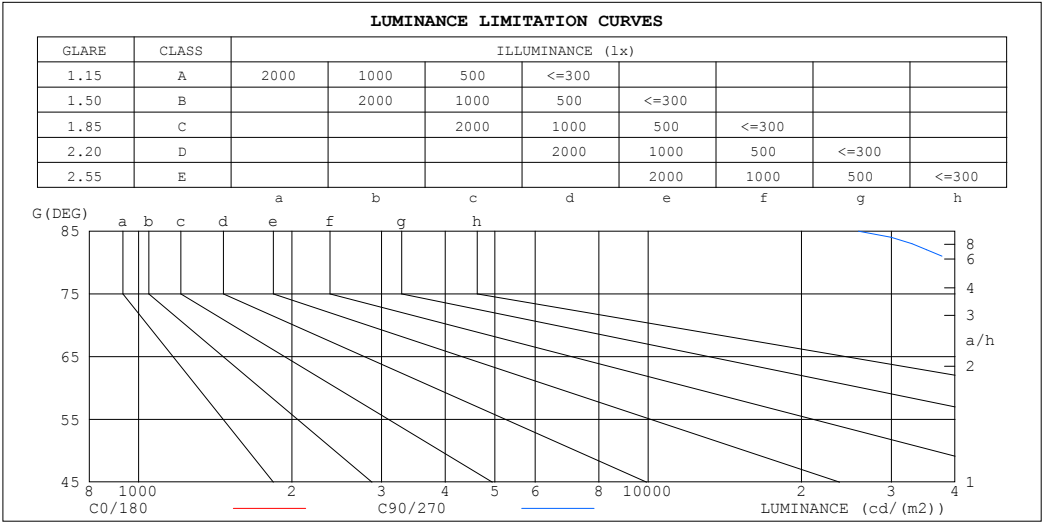
%lamp = 45.4%

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:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 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	510674	25850
80	265882	40011
75	188561	49493
70	152176	56234
65	131407	60905
60	118004	64208
55	108842	66567
50	102258	68493
45	97050	70109

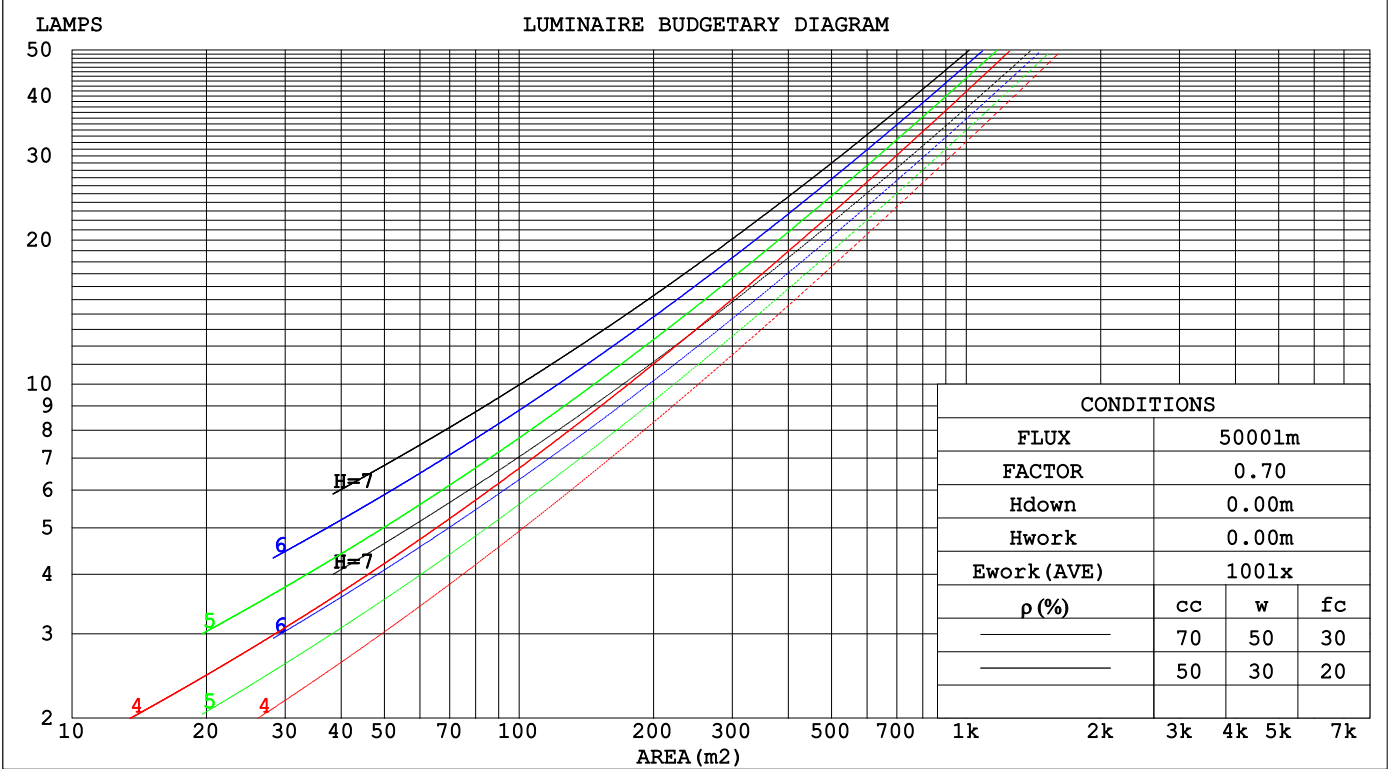
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	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			Coefficients of Utilization(CU)												
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.84	.84	.84	.75	.75	.75	.70
1.0	.93	.88	.84	.88	.84	.79	.79	.75	.72	.70	.67	.64	.61	.59	.57	.53
2.0	.80	.72	.66	.76	.69	.63	.67	.62	.57	.59	.55	.51	.52	.49	.46	.42
3.0	.69	.61	.54	.66	.58	.51	.58	.52	.47	.52	.46	.42	.45	.41	.38	.34
4.0	.61	.52	.45	.58	.49	.43	.51	.44	.39	.45	.40	.35	.40	.36	.32	.29
5.0	.54	.45	.38	.51	.43	.36	.46	.39	.33	.41	.35	.30	.36	.31	.27	.24
6.0	.48	.39	.33	.46	.37	.31	.41	.34	.29	.36	.31	.26	.32	.27	.24	.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	.30	.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	.17	.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:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	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	.373	.212	.067	.357	.203	.065	.326	.187	.060	.298	.172	.055	.273	.158	.051	
2.0	.323	.177	.054	.308	.170	.052	.281	.156	.049	.255	.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	.100	.030	
5.0	.236	.120	.035	.225	.116	.034	.204	.106	.031	.185	.097	.029	.166	.089	.027	
6.0	.217	.109	.031	.206	.104	.030	.187	.096	.028	.169	.088	.026	.153	.080	.024	
7.0	.200	.099	.028	.191	.095	.027	.173	.087	.025	.156	.080	.023	.141	.073	.022	
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	.141	.069	.019	.127	.063	.018	.115	.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	.417	.417	.417	.356	.356	.356	.243	.243	.243	.140	.140	.140	.045	.045	.045	
1.0	.413	.383	.357	.353	.329	.307	.241	.226	.213	.139	.131	.124	.045	.042	.040	
2.0	.406	.361	.324	.348	.311	.280	.238	.215	.195	.137	.125	.114	.044	.040	.037	
3.0	.399	.345	.302	.342	.298	.262	.235	.207	.184	.135	.121	.108	.044	.039	.036	
4.0	.391	.333	.288	.336	.288	.251	.231	.200	.176	.133	.117	.104	.043	.038	.034	
5.0	.384	.323	.279	.329	.280	.243	.227	.195	.171	.131	.115	.102	.042	.037	.033	
6.0	.376	.316	.272	.324	.273	.237	.223	.191	.168	.129	.113	.100	.042	.037	.033	
7.0	.370	.309	.267	.318	.268	.233	.220	.188	.165	.128	.111	.098	.041	.036	.032	
8.0	.363	.304	.263	.313	.263	.229	.216	.185	.163	.126	.109	.097	.041	.036	.032	
9.0	.357	.299	.260	.308	.260	.227	.213	.182	.161	.124	.108	.096	.040	.035	.032	
10.0	.351	.295	.258	.303	.256	.225	.210	.180	.160	.123	.107	.095	.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:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm											
NAME: VN27-24-25S-952C5-MVTD-SB002 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	25.0	27.4	26.3	28.8	30.5	22.4	24.8	23.8	26.2	27.9	
	3H	27.7	29.9	29.1	31.4	33.2	23.8	26.0	25.2	27.4	29.2
	4H	29.1	31.2	30.6	32.7	34.5	24.2	26.3	25.7	27.8	29.6
	6H	30.7	32.7	32.2	34.2	36.1	24.4	26.4	25.9	27.9	29.8
	8H	31.6	33.5	33.1	35.1	36.9	24.4	26.3	25.9	27.9	29.7
	12H	32.7	34.5	34.2	36.1	38.0	24.4	26.2	25.9	27.8	29.7
4H	2H	25.0	27.1	26.5	28.6	30.5	23.3	25.4	24.8	26.9	28.7
	3H	28.0	29.9	29.6	31.4	33.3	25.1	26.9	26.6	28.5	30.3
	4H	29.7	31.3	31.2	32.9	34.9	25.7	27.4	27.3	29.0	30.9
	6H	31.5	33.0	33.1	34.7	36.6	26.2	27.7	27.8	29.3	31.3
	8H	32.6	34.0	34.2	35.6	37.6	26.3	27.7	27.9	29.3	31.3
	12H	33.8	35.1	35.5	36.8	38.8	26.3	27.6	27.9	29.2	31.3
8H	4H	29.8	31.2	31.4	32.8	34.8	26.9	28.3	28.5	29.9	31.9
	6H	31.9	33.1	33.6	34.8	36.9	27.8	28.9	29.4	30.6	32.7
	8H	33.2	34.3	34.9	36.0	38.1	28.1	29.2	29.8	30.9	33.0
	12H	34.8	35.7	36.5	37.4	39.6	28.3	29.3	30.0	31.0	33.1
12H	4H	29.7	31.0	31.4	32.7	34.7	27.3	28.5	28.9	30.2	32.2
	6H	32.0	33.0	33.7	34.8	36.9	28.4	29.5	30.1	31.2	33.3
	8H	33.4	34.3	35.1	36.0	38.2	29.0	29.9	30.7	31.7	33.8
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:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

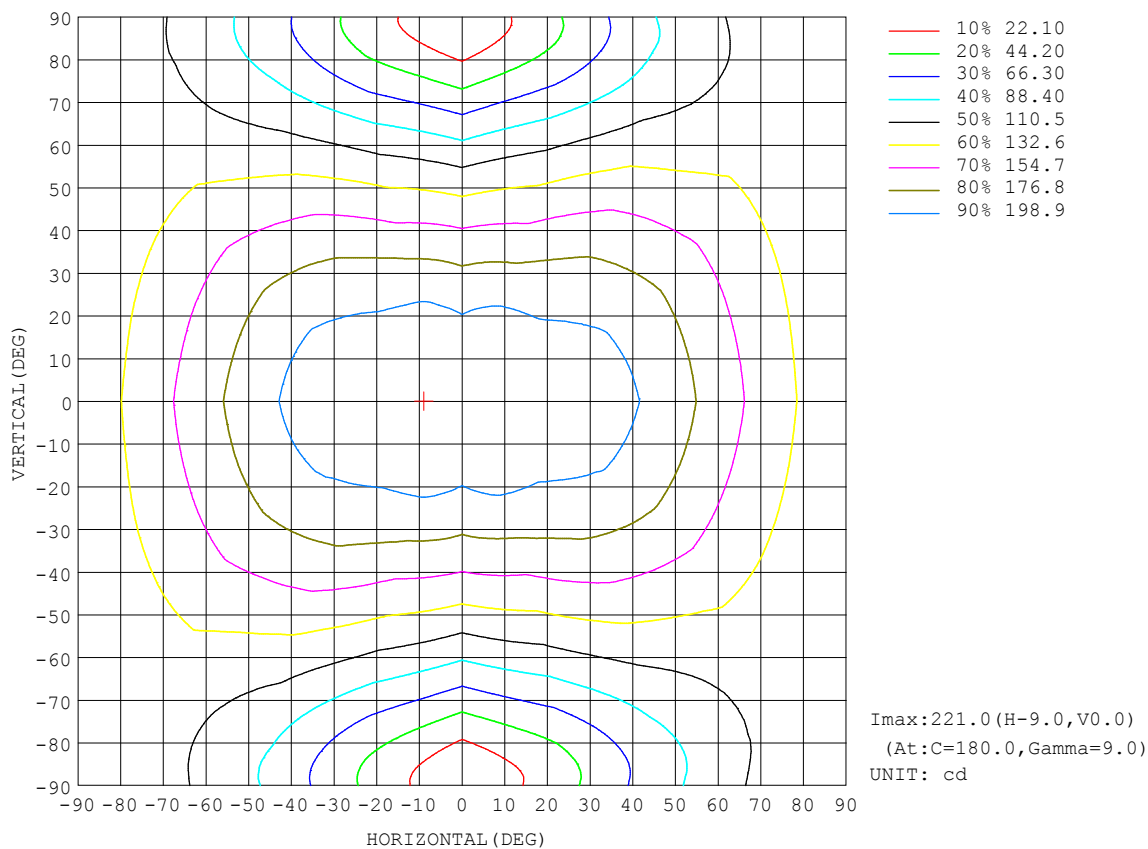
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	32	25	43	31	25	41	30	24	17
0.80	54	40	32	52	39	32	48	37	31	22
1.00	61	48	40	59	47	39	54	46	37	28
1.25	68	55	47	65	53	45	60	50	43	32
1.50	73	61	52	70	59	51	64	55	48	36
2.00	81	69	61	77	67	59	70	61	55	41
2.50	85	75	67	81	72	64	73	66	60	44
3.00	89	79	72	85	76	69	76	69	64	48
4.00	94	86	79	89	82	76	80	74	69	52
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:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

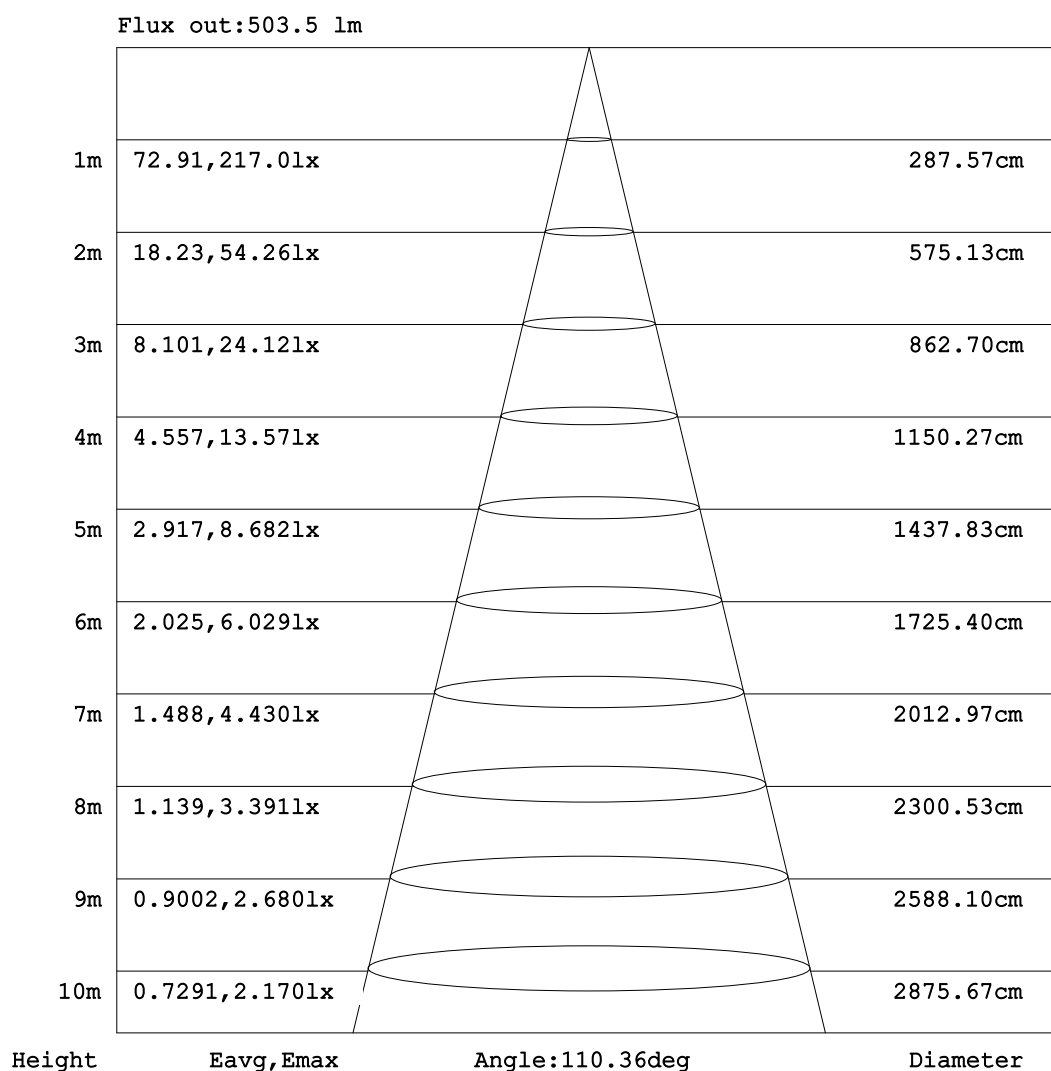


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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:

AAI Figure

Test:U:120.1V I:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



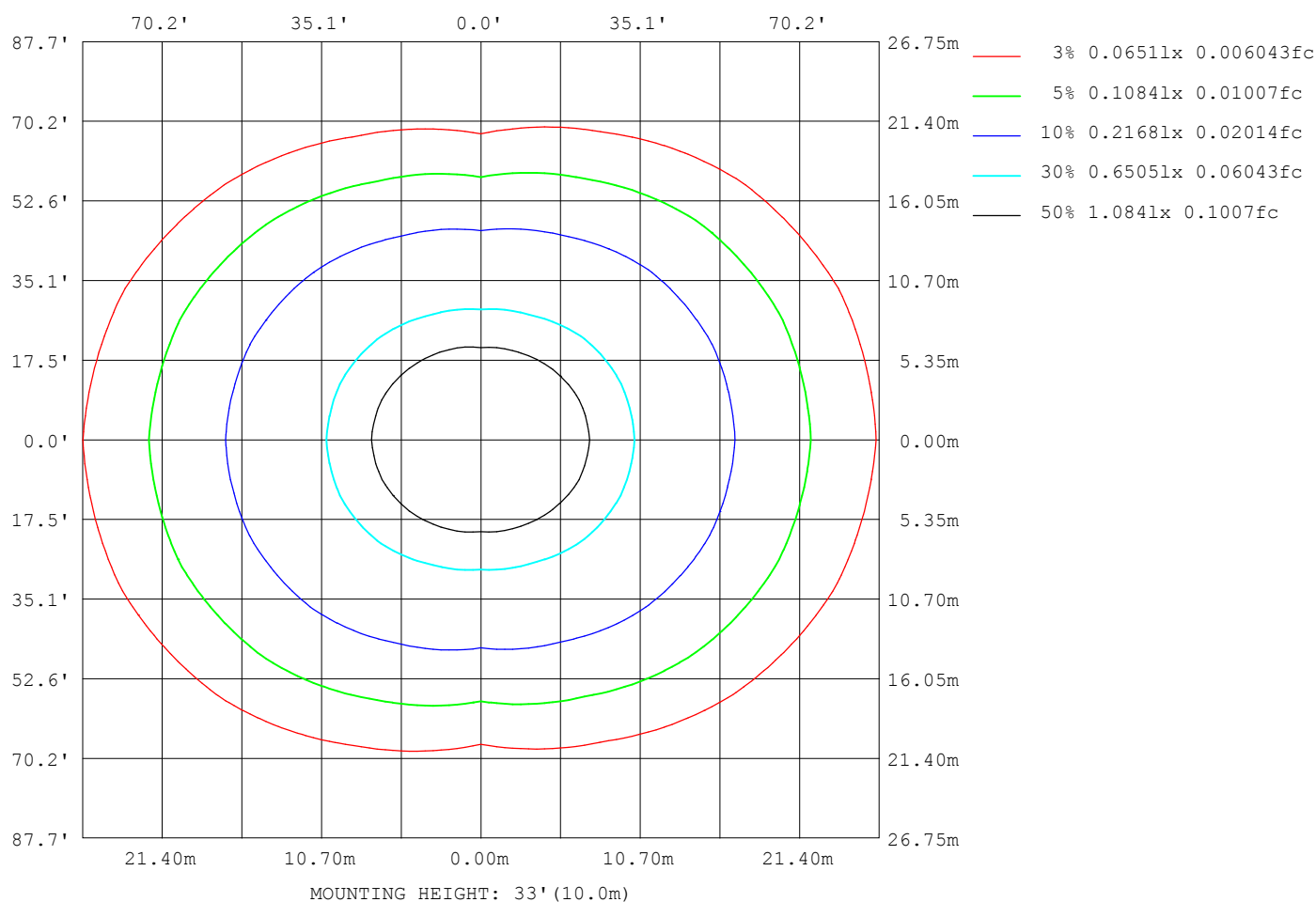
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

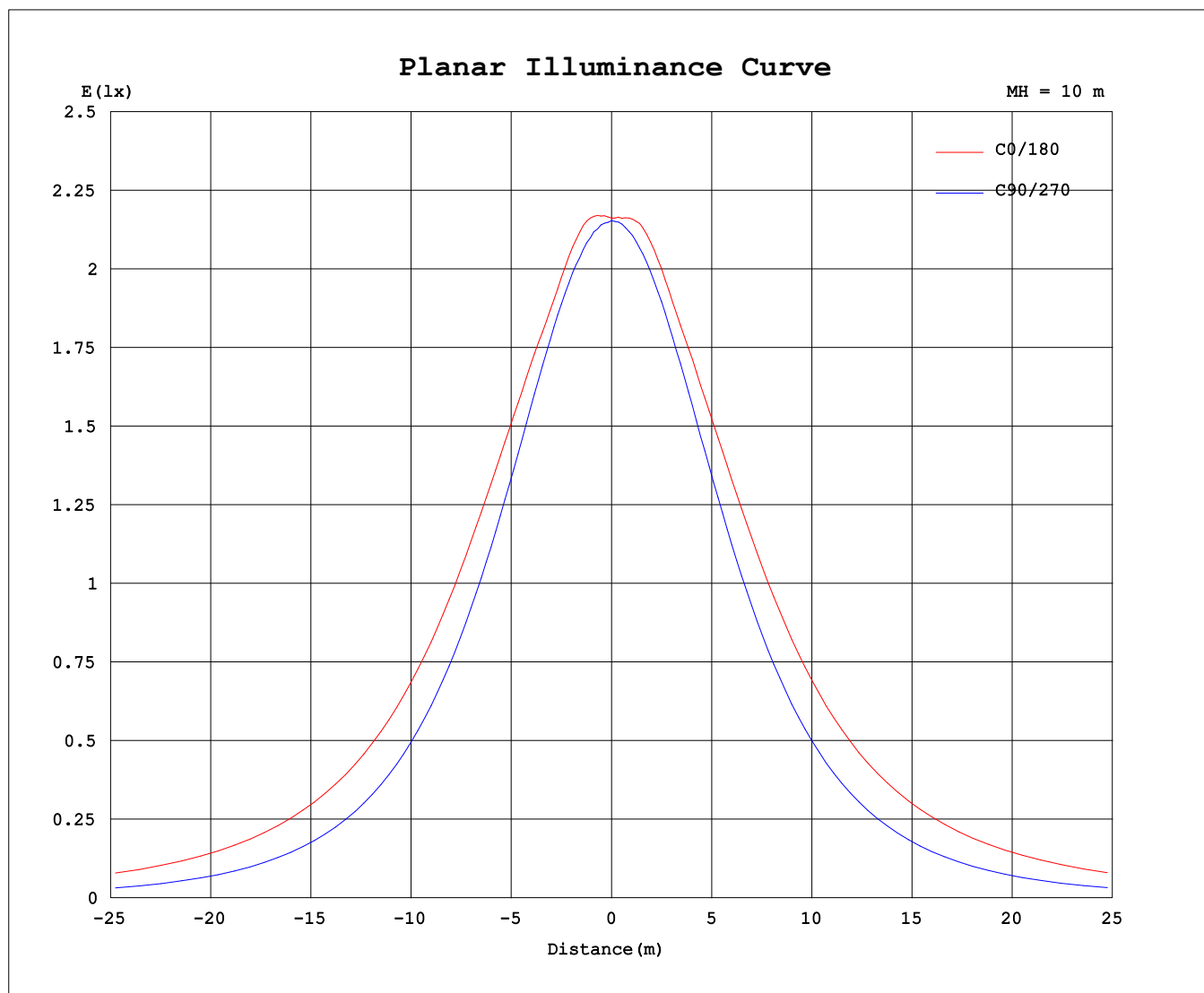
Test:U:120.1V I:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm		
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.2038A P:24.32W PF:0.9940 Freq:60.01Hz Lamp Flux:1223.78x1 lm																	
NAME: VN27-24-25S-952C5-MVTD-SB002 2700K									TYPE:			WEIGHT:					
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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	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215			
5	218	217	217	215	214	214	216	217	218	217	216	215	214	215	216	218			
10	218	218	217	214	211	213	217	219	220	219	217	214	211	214	217	218			
15	214	213	213	210	206	210	215	216	217	216	215	211	206	211	213	214			
20	212	210	206	205	198	205	209	212	214	212	210	206	199	206	207	210			
25	211	207	200	197	190	198	202	210	213	209	203	199	191	198	201	208			
30	209	204	194	186	179	188	197	207	211	206	197	189	180	187	196	206			
35	205	199	187	174	168	177	191	203	207	202	190	178	169	176	190	202			
40	200	194	179	162	154	164	183	197	202	196	182	165	156	164	183	197			
45	193	186	171	149	140	152	175	190	195	188	173	152	141	152	175	189			
50	185	177	160	136	124	140	165	181	187	179	163	139	126	140	165	181			
55	176	167	148	122	108	126	154	172	178	169	151	125	109	127	154	171			
60	166	156	136	108	90.7	112	141	162	168	159	138	110	92.1	113	142	161			
65	156	145	122	92.2	72.7	96.6	129	152	159	148	125	94.1	74.0	97.8	130	150			
70	146	134	108	76.2	54.3	81.0	117	142	149	138	111	77.9	55.7	82.4	117	141			
75	137	124	96.0	60.4	36.2	66.0	105	132	140	127	98.7	61.9	37.5	67.2	105	131			
80	130	116	85.3	46.3	19.6	52.5	94.6	123	132	118	87.3	47.5	20.7	53.7	94.8	123			
85	125	110	77.9	36.3	6.36	42.9	87.1	117	126	111	78.7	36.6	7.12	44.1	88.0	117			
90	127	111	78.0	34.5	0.51	40.6	85.6	116	124	109	76.0	32.9	0.63	42.5	88.1	119			
95	131	115	80.9	37.1	0.42	43.9	89.1	120	128	113	79.3	35.9	0.60	45.4	91.2	122			
100	132	116	82.8	39.2	1.36	46.6	91.6	122	131	115	81.6	38.3	1.32	47.8	93.3	124			
105	133	117	83.9	34.6	3.37	44.1	93.0	123	132	116	83.2	35.5	3.27	44.2	94.3	125			
110	131	116	80.9	28.5	4.57	39.3	92.1	123	131	116	82.7	30.5	4.57	38.7	91.5	124			
115	128	111	72.7	21.0	5.75	33.6	84.9	120	129	114	75.9	24.9	5.74	32.4	82.6	118			
120	115	99.6	63.4	17.6	6.96	28.1	76.0	110	121	104	67.6	20.3	6.99	27.8	71.6	107			
125	102	87.1	52.5	17.3	8.35	26.4	66.1	97.9	108	92.8	58.4	19.6	8.36	26.5	61.7	93.2			
130	87.3	73.9	38.0	17.6	9.66	25.2	55.6	85.0	94.7	80.4	48.7	19.2	9.64	25.0	49.6	77.1			
135	72.2	60.3	29.9	17.4	10.9	23.9	44.7	71.3	80.4	67.7	39.7	19.3	10.3	23.4	40.8	63.7			
140	57.4	47.4	29.3	16.9	12.0	22.3	37.8	57.5	65.8	55.3	35.0	19.7	11.6	21.6	37.4	51.1			
145	45.5	40.4	27.8	16.5	13.1	20.6	34.5	44.9	51.6	44.6	33.3	20.0	13.2	19.7	33.0	43.0			
150	40.5	36.2	26.5	16.3	14.1	19.2	31.4	39.3	42.8	40.2	31.9	20.5	14.6	18.0	28.5	34.8			
155	35.2	30.0	24.3	16.5	15.5	19.3	28.1	34.7	37.5	36.1	30.2	21.6	16.2	16.2	24.0	31.8			
160	29.9	16.3	22.0	17.1	16.3	19.0	24.2	30.0	32.1	31.6	27.9	21.5	16.8	15.4	20.8	26.4			
165	24.5	16.5	20.4	16.9	15.1	17.3	21.8	25.1	26.8	26.6	24.5	20.7	16.4	15.9	19.1	22.1			
170	19.5	19.1	13.8	10.2	11.3	13.8	18.9	21.3	21.9	21.9	21.3	19.4	10.8	11.3	14.5	18.5			
175	15.0	9.77	8.99	9.89	10.8	11.6	12.3	17.0	16.0	16.1	17.8	10.5	9.74	10.6	11.4	11.9			
180	0.00	3.30	7.89	13.9	15.3	13.8	9.84	7.34	3.52	3.54	3.75	8.64	13.5	15.0	12.7	10.2			

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