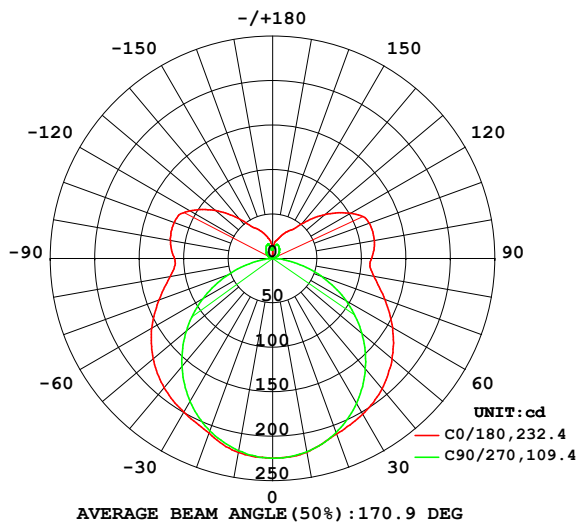


LUMINAIRE PHOTOMETRIC TEST REPORT

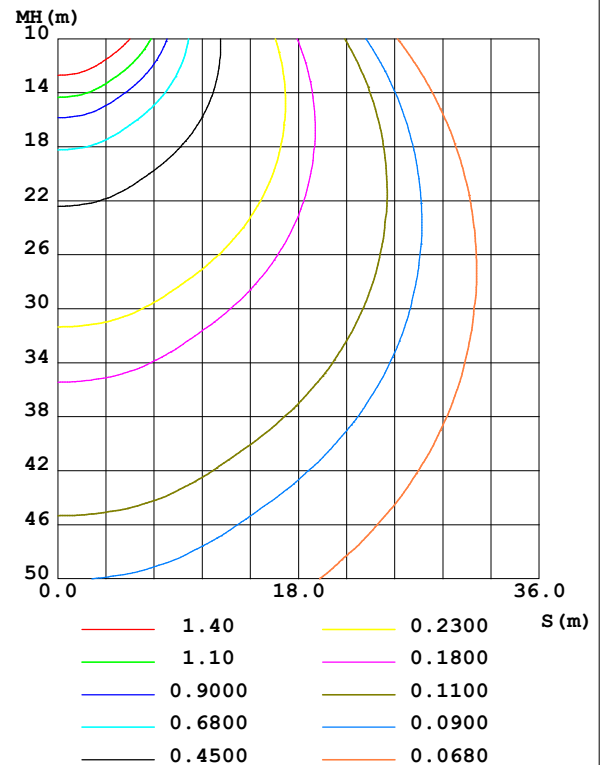
Test:U:120.1V I:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 48.14 lm/W
MODEL		Imax (cd)	225.2	S/MH (C0/180)	1.34	
NOMINAL POWER(W)		LOR (%)	100.0	S/MH (C90/270)	1.24	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1146.8	η UP,DN (C0-180)	14.1,36.1	
NOMINAL FLUX(lm)	1146.75	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	14.1,35.6	
LAMPS INSIDE	1	η up (%)	28.3	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down (%)	71.7	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	221.6	222.2	220.9	221.9	221.7	221.2	219.9	221.4	0- 10	21.29	21.29	1.86,1.86
20	210.3	210.1	208.3	210.8	209.3	208.6	206.4	207.2	10- 20	60.96	82.25	7.17,7.17
30	202.6	193.1	188.6	191.8	199.7	189.9	185.8	191.0	20- 30	92.90	175.2	15.3,15.3
40	191.6	176.3	162.3	174.4	189.8	172.5	158.8	174.6	30- 40	115.5	290.7	25.3,25.3
50	175.5	156.2	131.1	155.3	175.3	152.6	126.7	154.7	40- 50	126.8	417.5	36.4,36.4
60	155.9	132.2	95.64	133.6	157.1	129.1	90.84	130.7	50- 60	125.8	543.3	47.4,47.4
70	134.3	104.8	57.81	108.4	135.9	102.5	52.67	104.0	60- 70	113.1	656.4	57.2,57.2
80	115.7	79.95	21.90	84.31	117.0	78.09	17.43	81.27	70- 80	92.24	748.6	65.3,65.3
90	111.3	69.10	0.3862	73.67	110.5	69.73	0.4163	76.09	80- 90	74.14	822.8	71.7,71.7
100	116.2	73.85	1.595	79.80	116.7	75.12	1.991	80.48	90-100	74.12	896.9	78.2,78.2
110	115.7	73.89	3.912	80.94	118.0	74.67	4.241	77.13	100-110	73.96	970.8	84.7,84.7
120	101.6	59.36	6.538	67.25	107.3	60.36	6.705	60.21	110-120	63.52	1034	90.2,90.2
130	76.98	40.84	9.252	49.72	83.94	42.50	9.476	41.31	120-130	46.18	1081	94.2,94.2
140	50.77	25.53	11.90	35.01	57.93	32.54	11.37	31.21	130-140	29.62	1110	96.8,96.8
150	35.86	22.91	14.64	30.14	39.67	29.62	14.57	23.93	140-150	18.16	1128	98.4,98.4
160	26.72	20.35	16.76	24.38	30.48	26.13	17.06	19.34	150-160	11.40	1140	99.4,99.4
170	19.84	15.25	11.81	19.84	21.64	20.55	9.780	12.38	160-170	5.719	1145	99.9,99.9
180	0	8.063	13.97	10.12	3.587	4.575	12.77	13.69	170-180	1.313	1147	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 353.41 lm

%lum = 30.8%

%lamp = 30.8%

Conical surface Flux(120deg): 543.26 lm

%lum = 47.4%

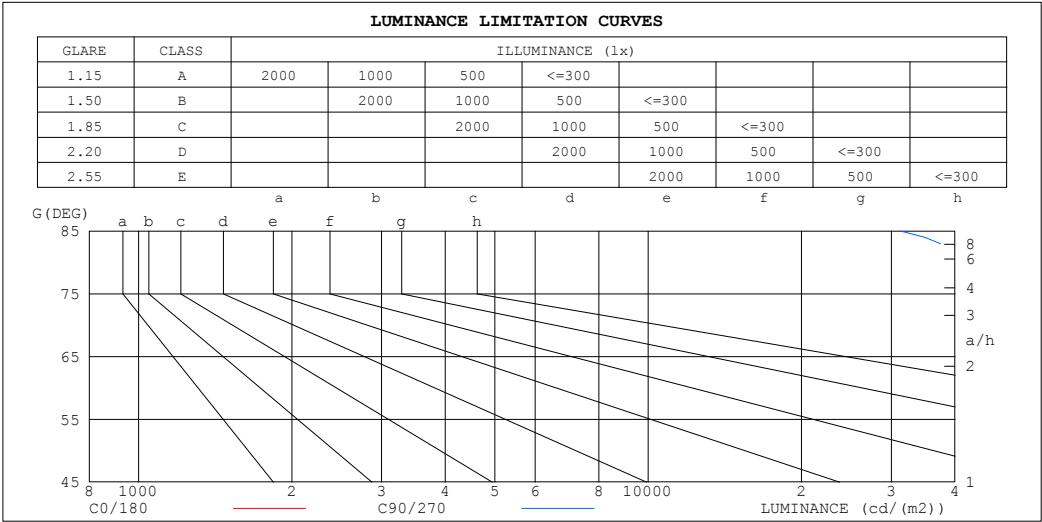
%lamp = 47.4%

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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 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	449877	31352
80	237301	44593
75	170861	53431
70	139857	59766
65	122126	64285
60	111048	67634
55	103154	70092
50	97262	72097
45	92704	73601

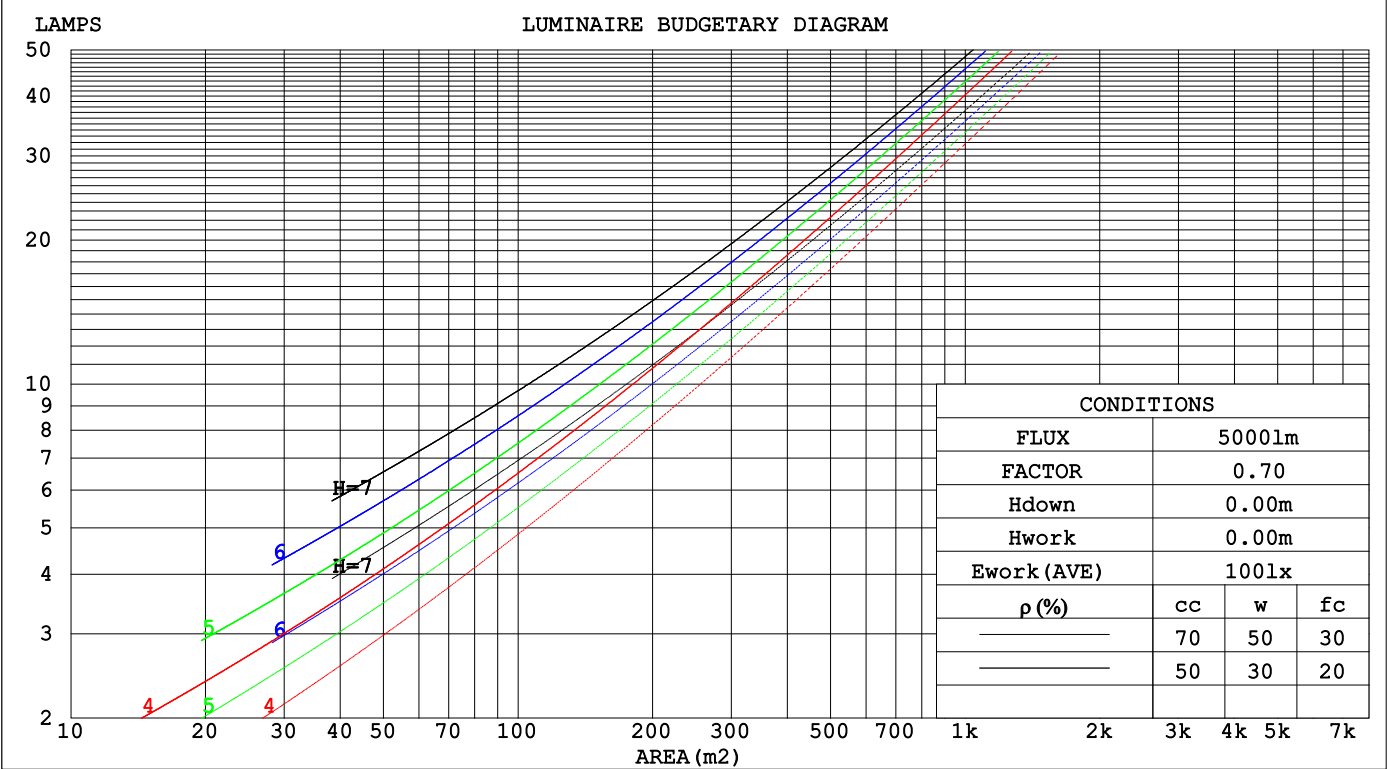
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-31

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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 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	.85	.85	.85	.76	.76	.76	.72
1.0	.94	.89	.84	.89	.85	.80	.80	.76	.73	.71	.68	.65	.63	.61	.59	.55
2.0	.81	.73	.67	.76	.70	.64	.68	.63	.58	.61	.56	.53	.54	.50	.47	.44
3.0	.70	.61	.55	.66	.59	.52	.59	.53	.48	.53	.48	.43	.47	.43	.39	.36
4.0	.62	.52	.45	.58	.50	.44	.52	.45	.40	.47	.41	.37	.41	.37	.33	.30
5.0	.55	.45	.39	.52	.43	.37	.47	.40	.34	.42	.36	.31	.37	.32	.28	.25
6.0	.49	.40	.33	.46	.38	.32	.42	.35	.30	.37	.32	.27	.33	.29	.25	.22
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.34	.28	.24	.30	.26	.22	.19
8.0	.40	.32	.26	.38	.30	.25	.34	.28	.23	.31	.25	.21	.28	.23	.19	.17
9.0	.37	.28	.23	.35	.27	.22	.32	.25	.20	.29	.23	.19	.26	.21	.17	.15
10.0	.34	.26	.21	.32	.25	.20	.29	.23	.18	.26	.21	.17	.24	.19	.16	.14



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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 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	.367	.209	.066	.351	.200	.064	.322	.184	.059	.294	.170	.054	.269	.156	.050															
2.0	.320	.175	.054	.305	.168	.052	.278	.155	.048	.254	.142	.045	.231	.131	.041															
3.0	.285	.152	.045	.272	.146	.044	.248	.134	.041	.225	.123	.038	.204	.113	.035															
4.0	.258	.134	.039	.246	.129	.038	.224	.119	.035	.203	.109	.033	.184	.100	.030															
5.0	.235	.120	.035	.224	.115	.033	.204	.106	.031	.185	.098	.029	.167	.089	.027															
6.0	.216	.108	.031	.206	.104	.030	.187	.096	.028	.170	.088	.026	.153	.081	.024															
7.0	.199	.098	.028	.190	.095	.027	.173	.087	.025	.157	.080	.023	.142	.074	.022															
8.0	.185	.090	.025	.177	.087	.025	.161	.080	.023	.146	.074	.021	.132	.068	.020															
9.0	.173	.083	.023	.165	.080	.023	.150	.074	.021	.136	.068	.020	.123	.063	.018															
10.0	.162	.077	.022	.154	.075	.021	.141	.069	.019	.128	.064	.018	.116	.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	.406	.406	.406	.347	.347	.347	.237	.237	.237	.136	.136	.136	.043	.043	.043	
1.0	.401	.373	.347	.343	.320	.299	.235	.220	.206	.135	.127	.120	.043	.041	.039	
2.0	.394	.350	.313	.338	.302	.271	.232	.209	.189	.133	.121	.111	.043	.039	.036	
3.0	.387	.334	.292	.332	.288	.253	.228	.200	.177	.132	.117	.105	.042	.038	.034	
4.0	.380	.322	.278	.326	.278	.241	.224	.194	.170	.130	.114	.101	.042	.037	.033	
5.0	.372	.312	.268	.320	.270	.233	.220	.189	.165	.128	.111	.098	.041	.036	.032	
6.0	.365	.304	.261	.314	.264	.227	.216	.185	.161	.126	.109	.096	.041	.035	.032	
7.0	.358	.298	.256	.308	.258	.223	.213	.181	.158	.124	.107	.094	.040	.035	.031	
8.0	.352	.293	.252	.303	.254	.220	.209	.178	.156	.122	.105	.093	.039	.034	.031	
9.0	.346	.288	.249	.298	.250	.217	.206	.176	.154	.120	.104	.092	.039	.034	.030	
10.0	.340	.284	.246	.293	.246	.215	.203	.173	.153	.119	.103	.091	.038	.034	.030	

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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm										
NAME: VN27-24-25S-952C5-MVTD-BN 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	24.9	27.3	26.2	28.7	30.4	22.4	24.9	23.8	26.3	27.9
3H	27.5	29.7	28.9	31.2	32.9	23.9	26.1	25.3	27.6	29.3
4H	28.9	31.0	30.3	32.4	34.2	24.4	26.5	25.8	28.0	29.7
6H	30.4	32.4	31.9	33.9	35.7	24.6	26.6	26.1	28.1	29.9
8H	31.2	33.1	32.7	34.7	36.5	24.7	26.6	26.2	28.1	29.9
12H	32.3	34.1	33.8	35.6	37.5	24.7	26.5	26.2	28.0	29.9
4H 2H	25.0	27.1	26.5	28.6	30.4	23.3	25.4	24.7	26.9	28.6
3H	27.9	29.7	29.4	31.3	33.1	25.1	26.9	26.6	28.4	30.3
4H	29.5	31.1	31.0	32.7	34.6	25.8	27.4	27.3	29.0	30.9
6H	31.2	32.7	32.8	34.3	36.2	26.2	27.7	27.8	29.3	31.2
8H	32.2	33.6	33.8	35.2	37.2	26.3	27.7	27.9	29.3	31.3
12H	33.4	34.7	35.0	36.3	38.3	26.3	27.6	27.9	29.3	31.2
8H 4H	29.6	31.0	31.2	32.6	34.6	26.8	28.2	28.3	29.8	31.7
6H	31.7	32.8	33.3	34.5	36.5	27.6	28.8	29.2	30.5	32.5
8H	32.9	33.9	34.5	35.6	37.7	27.9	29.0	29.6	30.7	32.7
12H	34.4	35.3	36.0	37.0	39.1	28.1	29.1	29.8	30.8	32.9
12H 4H	29.6	30.8	31.2	32.5	34.5	27.1	28.4	28.7	30.0	32.0
6H	31.7	32.8	33.4	34.4	36.5	28.2	29.3	29.9	30.9	33.0
8H	33.0	34.0	34.7	35.7	37.8	28.7	29.7	30.4	31.4	33.5
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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

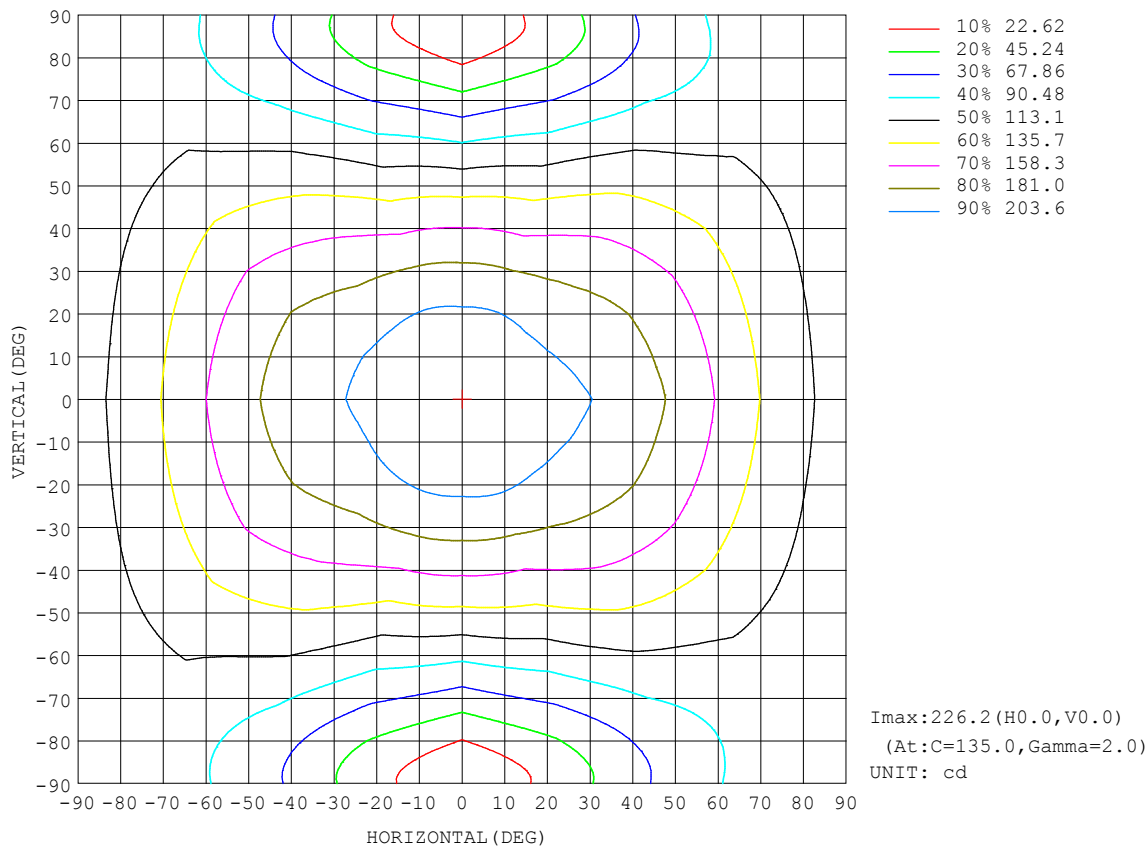
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	26	44	32	26	42	31	25	18
0.80	54	42	34	53	41	33	49	39	32	24
1.00	62	49	41	60	48	40	55	47	38	29
1.25	69	56	48	66	55	47	61	51	44	34
1.50	74	62	53	71	60	52	65	56	49	37
2.00	82	70	62	78	68	60	71	63	56	43
2.50	86	76	68	82	73	66	74	67	61	46
3.00	90	80	73	85	77	70	77	71	65	49
4.00	95	87	80	90	83	77	81	75	71	53
5.00	98	91	85	93	86	81	83	79	74	56
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

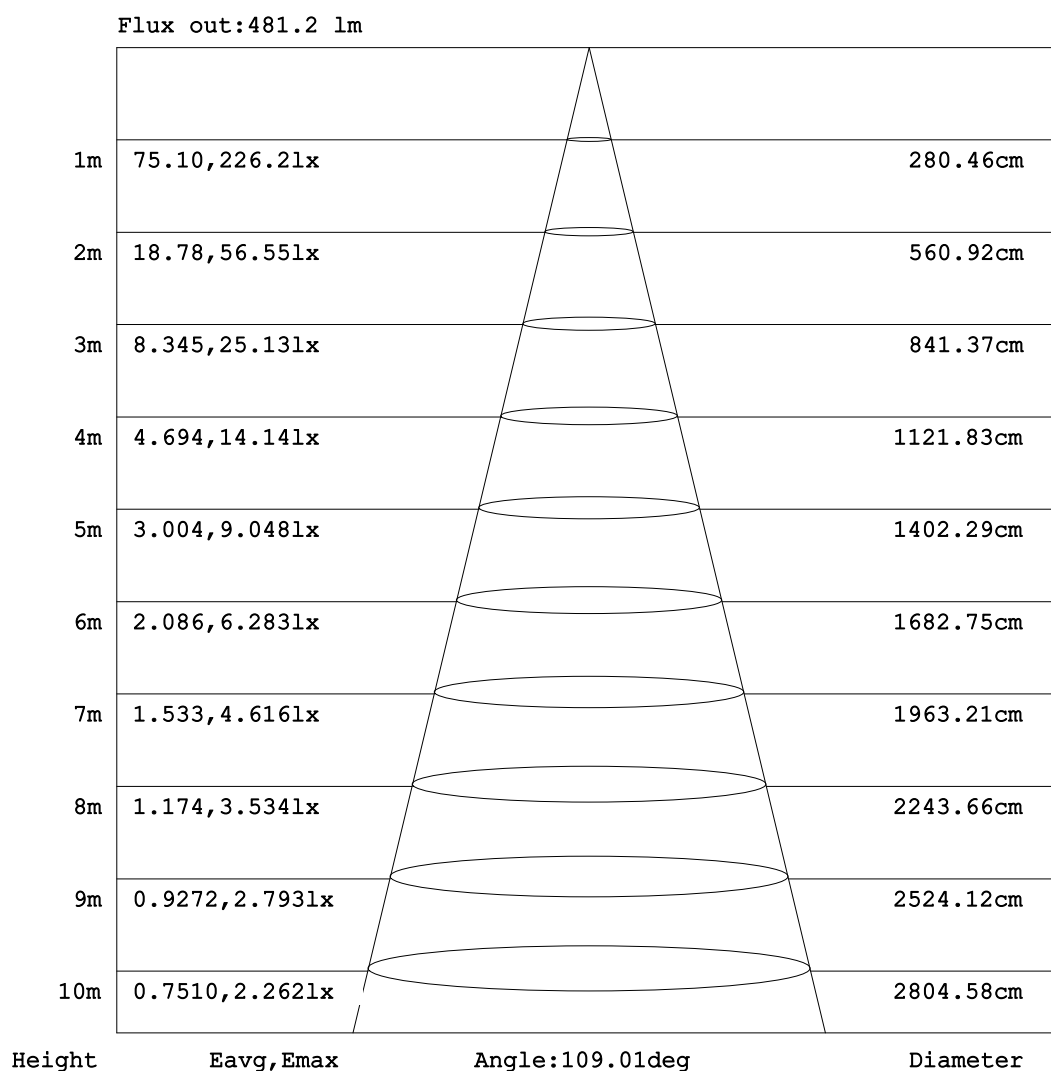
Test:U:120.1V I:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



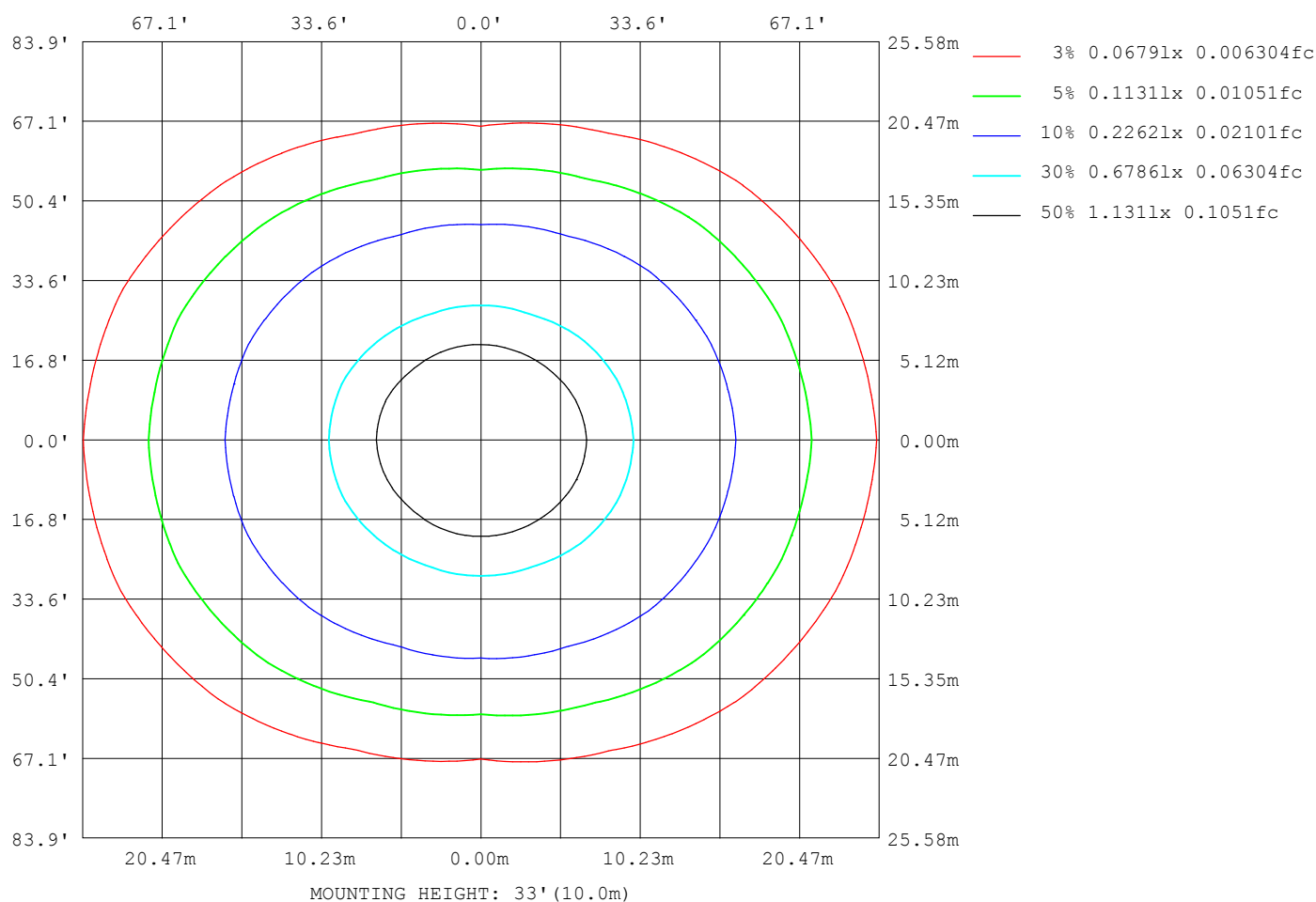
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

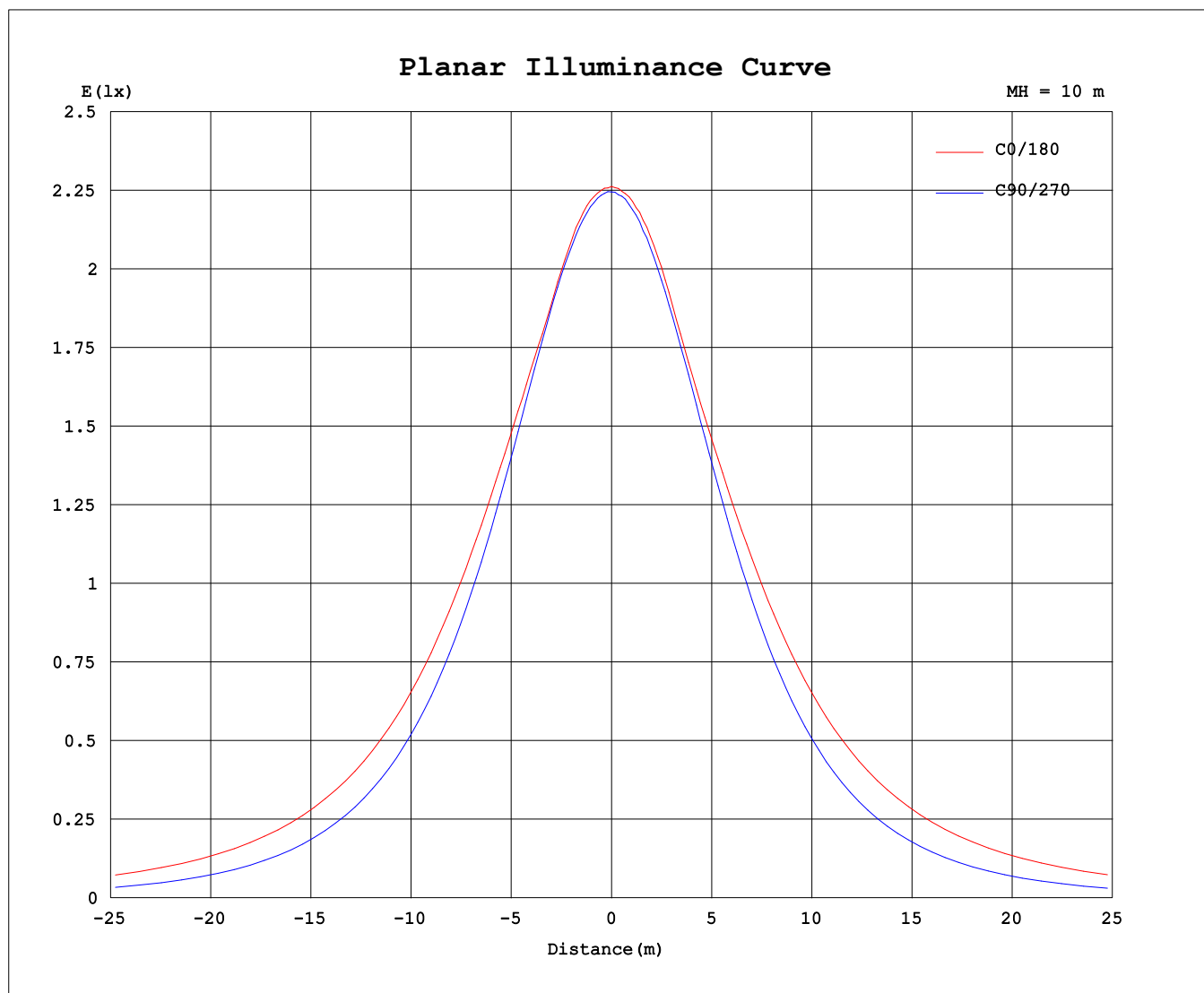
Test:U:120.1V I:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



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:0.1993A P:23.82W PF:0.9951 Freq:60.01Hz Lamp Flux:1146.75x1 lm		
NAME: VN27-24-25S-952C5-MVTD-BN 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	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225			
5	224	224	224	224	224	224	224	224	224	224	224	223	223	223	224	224			
10	222	221	222	221	221	221	222	223	222	222	221	220	220	220	221	221			
15	216	216	217	217	216	217	218	218	217	217	216	215	214	215	215	215			
20	210	209	210	210	208	210	211	211	209	209	209	208	206	208	207	208			
25	207	204	201	201	199	201	202	203	204	203	199	199	197	198	199	204			
30	203	199	193	190	189	190	192	198	200	198	190	188	186	187	191	199			
35	198	193	185	178	176	178	183	192	195	192	181	175	173	174	183	193			
40	192	187	176	164	162	164	174	187	190	186	173	161	159	160	175	187			
45	184	179	167	150	147	149	165	180	183	179	163	146	143	146	165	179			
50	175	169	156	136	131	134	155	172	175	170	153	132	127	133	155	170			
55	166	159	145	122	114	120	145	163	167	161	141	117	109	118	143	160			
60	156	148	132	107	95.6	106	134	153	157	150	129	103	90.8	104	131	149			
65	145	136	119	92.1	76.8	90.9	121	142	147	139	116	87.3	71.8	88.3	117	137			
70	134	124	105	76.4	57.8	75.9	108	131	136	127	103	71.8	52.7	72.7	104	126			
75	124	113	91.4	60.6	39.1	61.2	95.5	120	126	116	89.4	56.5	34.1	57.5	91.5	115			
80	116	104	79.9	45.9	21.9	47.2	84.3	110	117	106	78.1	42.4	17.4	43.9	81.3	107			
85	110	98.1	71.3	35.1	7.73	36.4	75.9	103	111	99.2	70.2	32.7	4.38	35.3	74.7	102			
90	111	98.5	69.1	31.4	0.39	33.1	73.7	102	110	97.8	69.7	31.6	0.42	35.4	76.1	104			
95	114	101	71.9	33.9	0.54	36.4	77.1	105	114	101	72.9	34.6	0.81	38.0	78.8	107			
100	116	103	73.8	36.0	1.60	39.3	79.8	108	117	104	75.1	36.7	1.99	39.0	80.5	108			
105	117	104	75.0	33.3	2.69	37.3	81.7	110	118	105	76.7	33.3	3.09	35.5	81.3	109			
110	116	103	73.9	28.4	3.91	33.4	80.9	110	118	105	74.7	28.6	4.24	30.6	77.1	108			
115	112	98.2	67.3	22.5	5.17	28.7	74.8	108	116	103	68.1	23.6	5.40	25.4	69.4	101			
120	102	88.7	59.4	17.5	6.54	24.5	67.2	99.0	107	94.0	60.4	19.1	6.71	23.0	60.2	90.8			
125	89.7	77.8	50.8	16.8	7.92	23.7	58.7	88.4	96.2	83.8	51.9	17.3	8.11	21.9	49.3	79.3			
130	77.0	66.2	40.8	16.7	9.25	22.9	49.7	77.0	83.9	72.6	42.5	14.9	9.48	20.8	41.3	67.0			
135	63.8	54.3	30.4	17.1	10.6	21.9	41.1	65.1	71.2	61.2	35.2	16.0	10.2	19.5	34.5	54.4			
140	50.8	42.9	25.5	17.3	11.9	21.0	35.0	51.5	57.9	50.0	32.5	17.1	11.4	18.2	31.2	40.3			
145	40.2	36.5	23.9	17.0	13.3	20.4	33.0	42.6	46.2	40.9	30.9	18.8	13.0	17.2	27.5	34.0			
150	35.9	32.8	22.9	16.4	14.6	19.8	30.1	38.1	39.7	37.4	29.6	20.3	14.6	16.2	23.9	31.7			
155	31.3	29.0	21.7	16.5	15.9	19.3	27.4	33.9	35.2	34.0	28.3	20.8	16.3	14.4	20.7	26.9			
160	26.7	24.7	20.4	16.8	16.8	19.3	24.4	29.0	30.5	30.1	26.1	20.9	17.1	16.0	19.3	22.6			
165	22.4	16.3	19.3	17.5	16.0	17.7	21.7	25.4	25.8	25.8	23.1	20.6	15.6	15.3	16.8	20.4			
170	19.8	14.6	15.2	11.6	11.8	15.6	19.8	22.1	21.6	21.7	20.6	18.9	9.78	10.9	12.4	16.6			
175	14.9	8.89	9.29	10.3	11.4	12.4	13.1	18.2	16.3	16.4	15.4	9.55	9.65	10.3	10.7	11.0			
180	0.00	4.13	8.06	12.5	14.0	14.1	10.1	10.5	3.59	3.62	4.58	8.23	12.8	14.6	13.7	10.9			

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