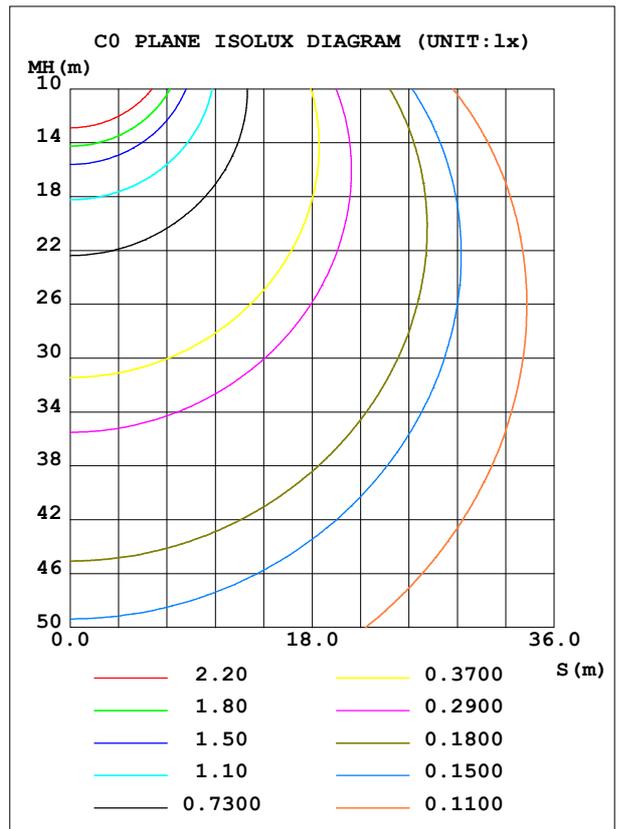
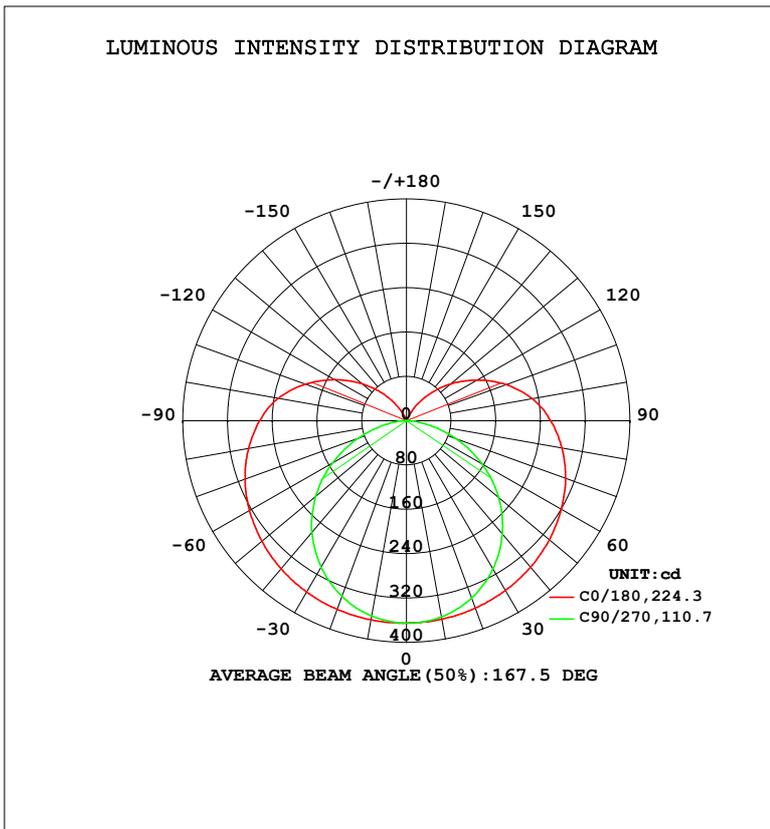


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 85.34 lm/W
MODEL	VN25-24-25S-952C5-MVTD-BK	Imax (cd)	365.6	S/MH (C0/180)	1.49	
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	1.24	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	2046.1	η UP, DN (C0-180)	11.5, 38.6	
NOMINAL FLUX (lm)	2046.12	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.5, 38.4	
LAMPS INSIDE	1	η up (%)	23.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120	η down (%)	77.0	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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	363.6	362.0	359.6	362.9	364.6	361.4	357.8	360.6	0- 10	34.69	34.69	1.7,1.7
20	360.0	350.8	340.6	352.5	362.1	350.1	337.4	348.4	10- 20	100.9	135.6	6.63,6.63
30	353.8	333.2	309.2	335.2	357.2	332.4	305.3	329.5	20- 30	157.8	293.4	14.3,14.3
40	345.2	310.1	267.2	311.6	348.9	308.9	263.5	305.2	30- 40	200.7	494.1	24.1,24.1
50	334.0	283.5	215.1	284.2	337.8	282.1	211.9	277.9	40- 50	226.8	720.9	35.2,35.2
60	319.8	255.2	156.4	255.1	324.4	254.7	153.5	250.1	50- 60	235.3	956.3	46.7,46.7
70	302.9	227.2	94.02	226.3	307.4	226.7	91.34	222.2	60- 70	227.9	1184	57.9,57.9
80	282.5	200.8	34.75	198.8	286.5	200.0	33.90	195.8	70- 80	208.5	1393	68.1,68.1
90	258.0	175.2	1.200	172.4	262.8	174.2	1.222	170.5	80- 90	183.0	1576	77,77
100	228.8	148.6	1.356	145.1	233.1	147.3	1.357	144.6	90-100	157.5	1733	84.7,84.7
110	190.5	117.0	1.294	112.7	193.0	114.4	1.288	113.4	100-110	125.8	1859	90.9,90.9
120	147.2	84.43	1.180	79.65	148.5	81.59	1.128	81.50	110-120	90.10	1949	95.3,95.3
130	103.9	51.30	0.9907	48.49	104.2	50.59	0.9660	50.80	120-130	56.20	2005	98,98
140	61.45	22.27	0.7746	19.95	61.76	23.23	0.8218	21.11	130-140	29.02	2034	99.4,99.4
150	22.64	0.6962	0.6632	0.6248	23.01	2.533	0.7881	0.7620	140-150	10.33	2045	99.9,99.9
160	0.4473	0.5537	0.6261	0.5336	0.5852	0.6360	0.7356	0.6781	150-160	1.238	2046	100,100
170	0.4633	0.5630	0.6193	0.5366	0.5668	0.6069	0.6958	0.6627	160-170	0.1676	2046	100,100
180	0.5510	0.5929	0.6200	0.5859	0.5468	0.5647	0.6120	0.6054	170-180	0.0565	2046	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 605.38 lm

%lum = 29.6%
 %lamp = 29.6%

Conical surface Flux(120deg): 956.25 lm

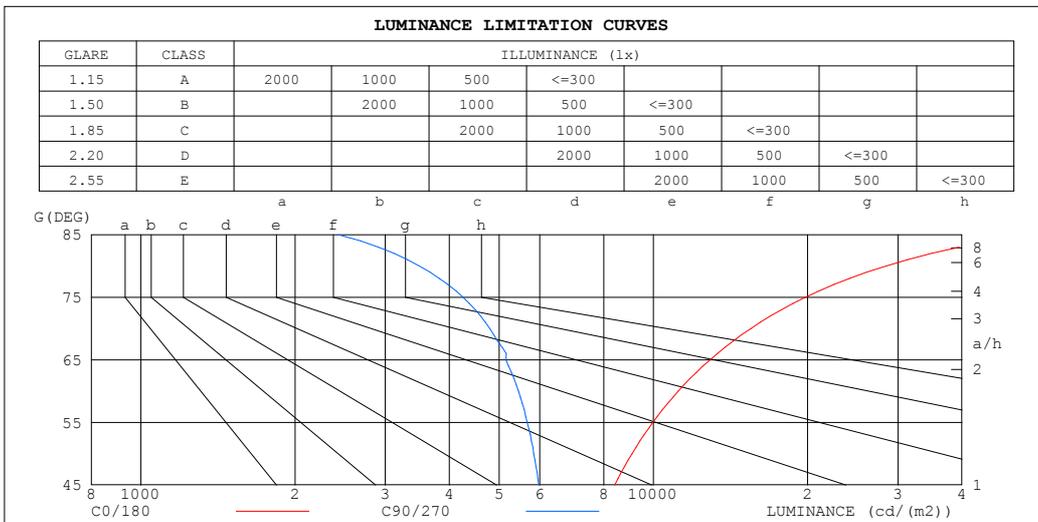
%lum = 46.7%
 %lamp = 46.7%

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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	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	54328	2431
80	28448	3492
75	19797	4252
70	15490	4798
65	12902	5155
60	11185	5459
55	9975	5677
50	9088	5840
45	8404	5979

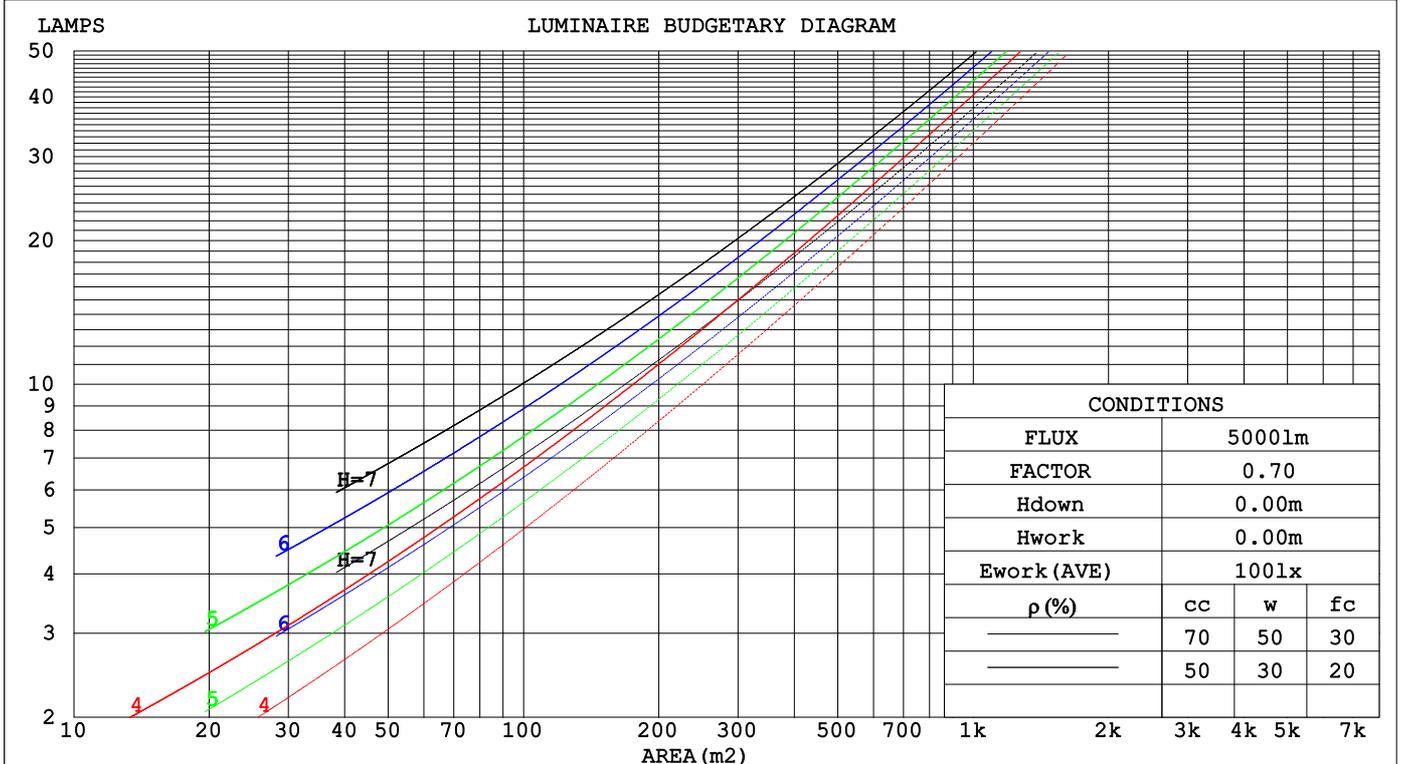
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2°C
 Operators: Dano
 Test Date: 2022-09-07

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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	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	1.14	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	.62	.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	.42	.47	.43	.39	.36
4.0	.60	.50	.43	.57	.48	.41	.52	.44	.38	.47	.40	.35	.42	.37	.33	.29
5.0	.53	.43	.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	.27	.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	.18	.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

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:

WEC AND CCEC

Test:U:120.2V I:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.406	.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	.230	.128	.039	
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	.155	.081	.024	
8.0	.191	.093	.026	.184	.090	.026	.170	.085	.024	.156	.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 _{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	.366	.366	.366	.313	.313	.313	.213	.213	.213	.123	.123	.123	.039	.039	.039	
1.0	.364	.332	.303	.311	.285	.261	.213	.196	.181	.122	.113	.105	.039	.037	.034	
2.0	.357	.309	.269	.306	.266	.233	.210	.184	.162	.121	.107	.095	.039	.035	.031	
3.0	.350	.293	.248	.300	.253	.215	.206	.176	.151	.119	.103	.089	.038	.033	.029	
4.0	.342	.281	.235	.293	.243	.204	.202	.169	.143	.117	.099	.085	.038	.032	.028	
5.0	.334	.271	.225	.287	.235	.196	.198	.164	.138	.115	.096	.082	.037	.031	.027	
6.0	.327	.264	.218	.281	.228	.190	.194	.160	.135	.112	.094	.080	.036	.031	.026	
7.0	.319	.257	.213	.275	.223	.186	.190	.156	.132	.110	.092	.078	.036	.030	.026	
8.0	.313	.252	.210	.269	.218	.183	.186	.153	.130	.108	.090	.077	.035	.030	.026	
9.0	.306	.247	.207	.264	.214	.180	.183	.151	.128	.107	.089	.076	.035	.029	.025	
10.0	.300	.243	.204	.259	.211	.178	.180	.148	.127	.105	.088	.076	.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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	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		20.0	21.4	20.6	21.9	22.6	17.1	18.5	17.7	19.0	19.7
	3H	23.1	24.3	23.7	24.9	25.6	18.6	19.9	19.2	20.5	21.2
	4H	24.8	25.9	25.4	26.6	27.3	19.3	20.4	19.9	21.1	21.8
	6H	26.6	27.7	27.3	28.4	29.1	19.7	20.8	20.4	21.5	22.2
	8H	27.7	28.8	28.3	29.4	30.2	19.8	20.9	20.5	21.6	22.3
	12H	28.9	29.9	29.5	30.6	31.4	19.9	20.9	20.6	21.6	22.4
4H	2H	20.6	21.8	21.2	22.4	23.1	18.6	19.7	19.2	20.4	21.1
	3H	23.9	24.9	24.5	25.6	26.4	20.4	21.4	21.1	22.1	22.9
	4H	25.8	26.7	26.5	27.4	28.2	21.2	22.2	21.9	22.9	23.7
	6H	27.9	28.8	28.6	29.5	30.3	21.9	22.8	22.6	23.5	24.3
	8H	29.1	29.9	29.8	30.6	31.5	22.2	23.0	22.9	23.7	24.6
	12H	30.4	31.1	31.1	31.9	32.8	22.4	23.1	23.1	23.8	24.7
8H	4H	26.1	26.9	26.9	27.7	28.5	22.7	23.5	23.5	24.3	25.1
	6H	28.6	29.3	29.3	30.0	30.9	23.9	24.6	24.6	25.3	26.2
	8H	30.0	30.6	30.8	31.4	32.3	24.4	25.0	25.2	25.8	26.7
	12H	31.6	32.1	32.4	32.9	33.9	24.8	25.3	25.6	26.1	27.1
12H	4H	26.2	26.9	26.9	27.6	28.5	23.2	24.0	24.0	24.7	25.6
	6H	28.7	29.3	29.5	30.1	31.0	24.7	25.3	25.5	26.1	27.0
	8H	30.2	30.8	31.0	31.6	32.5	25.4	26.0	26.2	26.8	27.7

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 / - 0.2
2.0H	+ 0.3 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117, 2046 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.5)
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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

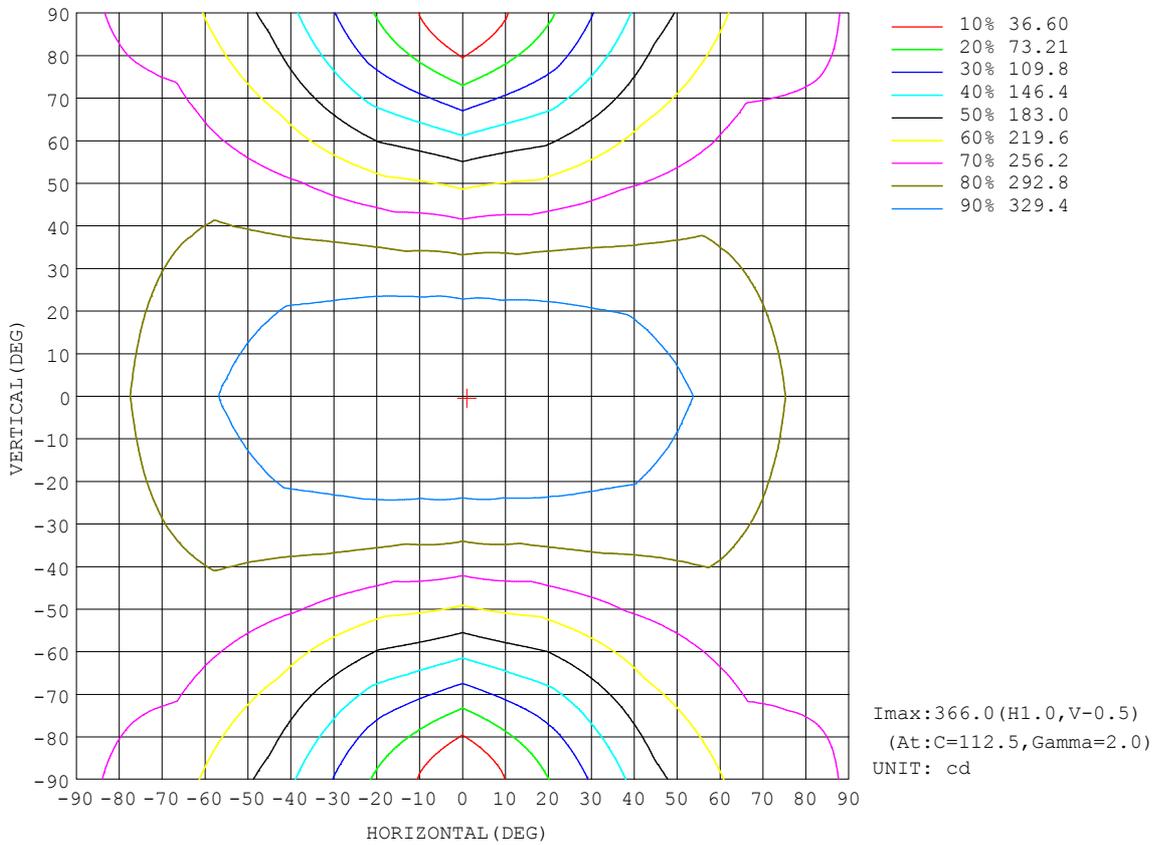
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	45	32	25	44	32	25	42	31	24	17
0.80	54	40	32	52	40	32	49	38	31	23
1.00	61	48	39	59	47	38	55	47	37	28
1.25	68	55	46	66	53	45	61	51	43	33
1.50	73	60	51	70	59	50	65	55	48	37
2.00	81	69	60	77	67	58	71	62	55	43
2.50	85	74	66	82	72	64	75	67	60	46
3.00	89	79	71	85	76	69	78	71	65	50
4.00	94	86	78	90	82	76	82	76	70	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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



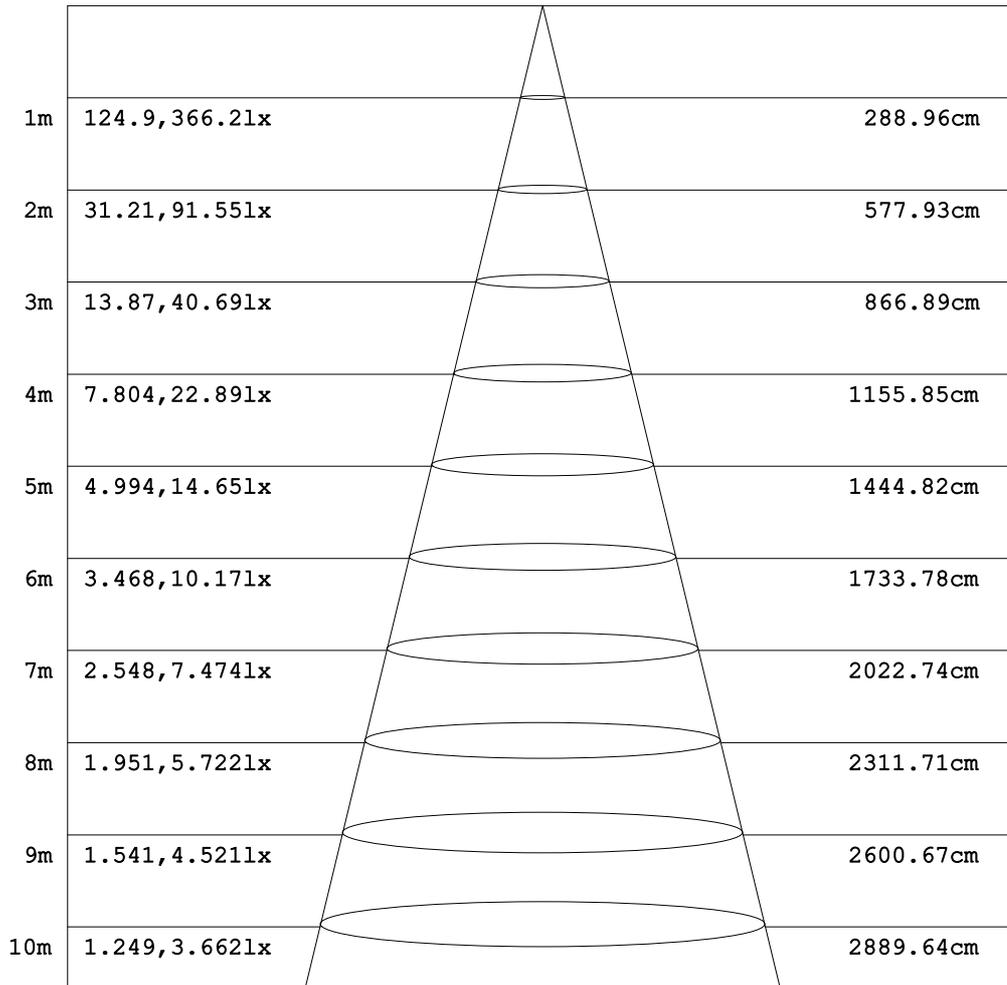
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2°C
 Operators:Dano
 Test Date:2022-09-07

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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

Flux out:862.2 lm



Height Eavg, Emax Angle:110.62deg Diameter

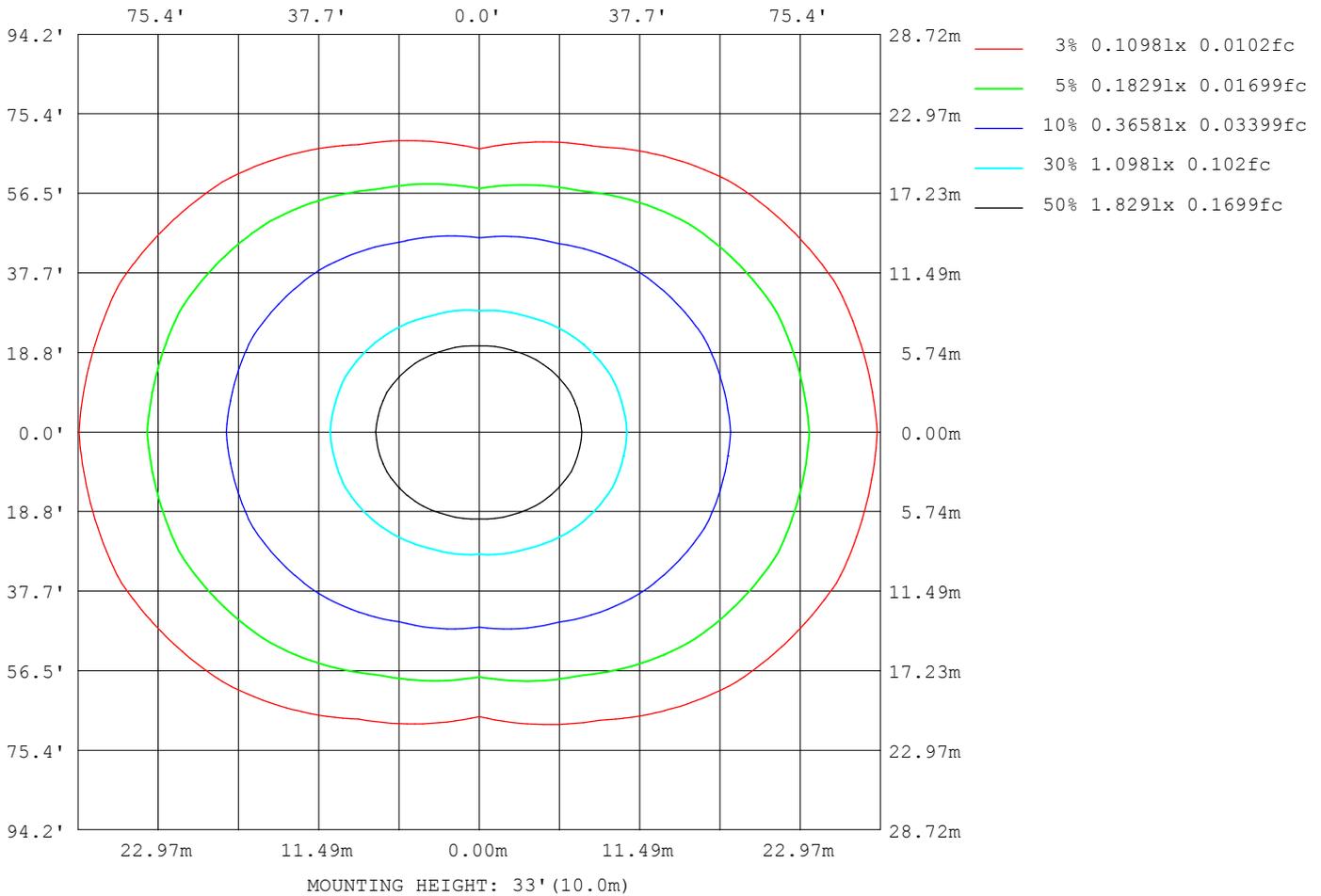
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2 °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:

ISOLUX DIAGRAM

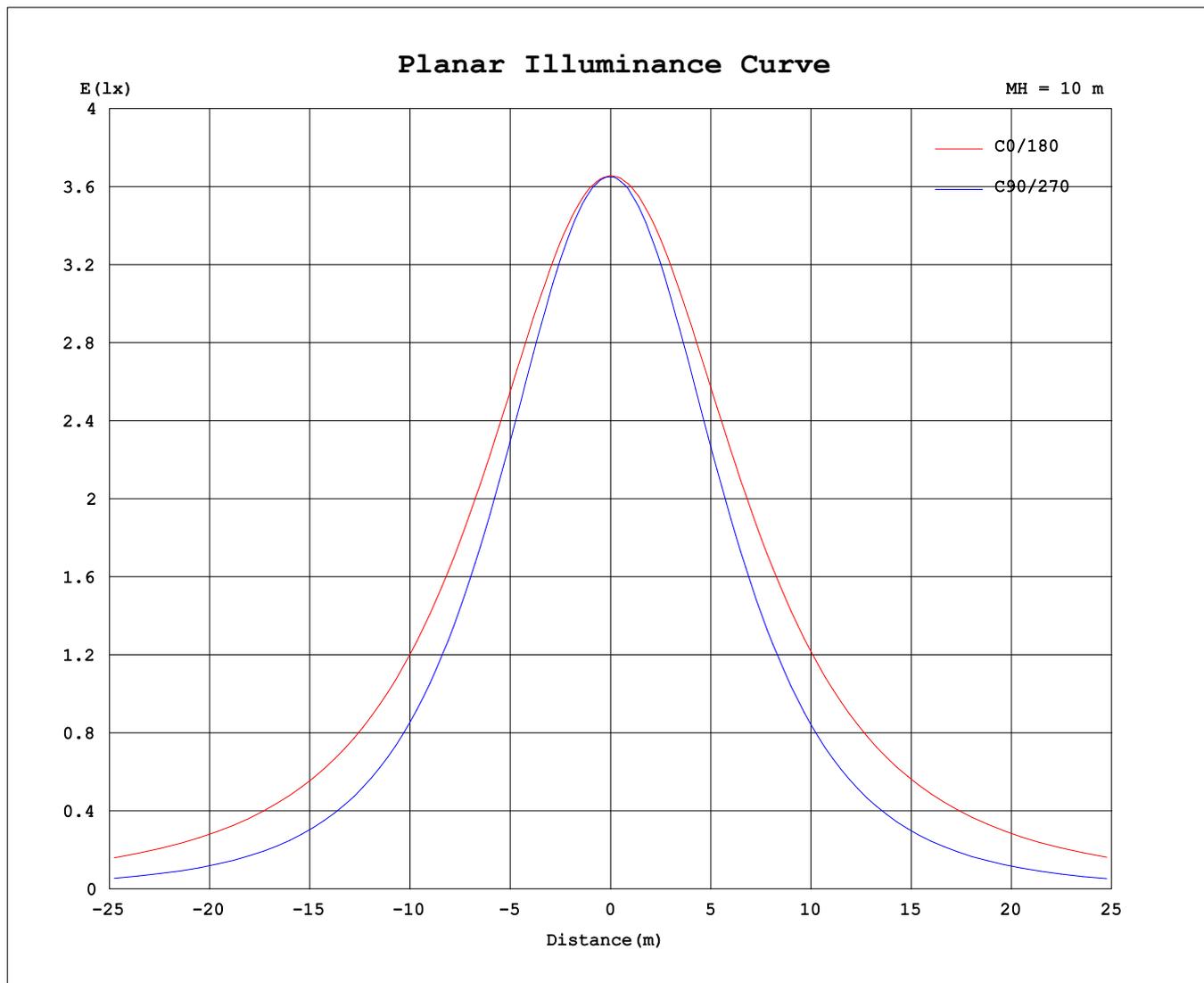
Test:U:120.2V I:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



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:0.2007A P:23.98W PF:0.9939 Freq:60.01Hz Lamp Flux:2046.12x1 lm		
NAME: VN25-24-25S-952C5-MVTD-BK 4000K	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	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365			
5	365	365	365	364	364	364	365	365	365	364	364	363	363	364	364	364			
10	364	364	362	360	360	361	363	365	365	363	361	359	358	359	361	363			
15	362	361	358	353	351	354	359	363	364	361	357	352	349	351	355	360			
20	360	358	351	344	341	344	352	359	362	358	350	342	337	341	348	356			
25	357	353	343	331	326	332	345	355	360	354	342	329	323	327	340	351			
30	354	348	333	316	309	317	335	351	357	349	332	314	305	312	330	346			
35	350	342	322	299	289	300	324	345	353	343	321	297	285	295	318	340			
40	345	335	310	280	267	281	312	338	349	336	309	278	264	275	305	333			
45	340	328	297	260	242	260	298	331	344	329	296	258	239	256	292	325			
50	334	320	284	238	215	238	284	323	338	322	282	236	212	233	278	317			
55	327	312	269	215	187	215	270	314	331	313	269	214	183	211	265	309			
60	320	303	255	192	156	191	255	305	324	304	255	191	153	187	250	300			
65	312	294	241	169	125	167	241	296	316	295	241	167	122	164	236	290			
70	303	284	227	147	94.0	145	226	285	307	285	227	145	91.3	142	222	281			
75	293	273	214	126	63.1	123	212	275	298	275	213	125	61.2	121	209	270			
80	282	262	201	109	34.7	105	199	263	287	264	200	107	33.9	103	196	260			
85	271	250	188	94.1	12.1	89.4	186	251	275	252	187	91.7	12.1	88.0	183	248			
90	258	238	175	81.8	1.20	76.8	172	238	263	239	174	79.4	1.22	76.2	171	235			
95	245	225	163	71.9	1.26	66.9	160	225	250	226	162	69.6	1.30	66.8	159	223			
100	229	209	149	61.3	1.36	55.8	145	208	233	210	147	58.6	1.36	56.7	145	207			
105	210	191	133	50.6	1.34	45.2	129	190	214	192	131	48.0	1.34	46.6	129	190			
110	191	172	117	40.2	1.29	35.3	113	170	193	172	114	38.0	1.29	36.9	113	171			
115	169	151	101	30.0	1.24	25.9	96.0	149	171	151	97.9	28.4	1.21	27.5	97.3	151			
120	147	131	84.4	20.8	1.18	16.9	79.6	128	149	130	81.6	19.3	1.13	18.3	81.5	130			
125	125	111	68.3	12.3	1.09	8.69	63.7	108	126	109	65.8	10.7	1.04	9.42	66.0	110			
130	104	90.6	51.3	4.59	0.99	1.57	48.5	87.8	104	89.3	50.6	3.13	0.97	3.12	50.8	89.7			
135	82.3	70.7	36.8	1.11	0.88	1.05	33.9	68.1	82.6	69.9	36.3	1.06	0.89	1.12	35.9	69.9			
140	61.5	51.5	22.3	0.85	0.77	0.83	19.9	49.1	61.8	51.6	23.2	0.89	0.82	0.92	21.1	50.4			
145	41.5	32.0	10.1	0.74	0.71	0.72	7.21	31.0	41.8	34.6	12.0	0.82	0.80	0.84	6.20	31.2			
150	22.6	15.8	0.70	0.67	0.66	0.65	0.62	14.2	23.0	18.7	2.53	0.78	0.79	0.77	0.76	12.7			
155	5.43	1.40	0.57	0.63	0.64	0.61	0.55	0.53	5.82	4.14	0.66	0.73	0.76	0.74	0.69	0.67			
160	0.45	0.48	0.55	0.61	0.63	0.59	0.53	0.47	0.59	0.59	0.64	0.70	0.74	0.72	0.68	0.62			
165	0.45	0.49	0.55	0.61	0.62	0.59	0.53	0.48	0.57	0.57	0.61	0.66	0.70	0.70	0.66	0.61			
170	0.46	0.51	0.56	0.60	0.62	0.59	0.54	0.50	0.57	0.57	0.61	0.65	0.70	0.69	0.66	0.61			
175	0.51	0.55	0.60	0.61	0.62	0.60	0.57	0.54	0.56	0.56	0.59	0.63	0.67	0.67	0.65	0.61			
180	0.55	0.56	0.59	0.61	0.62	0.61	0.59	0.55	0.55	0.55	0.56	0.59	0.61	0.62	0.61	0.58			

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 C Interval: 22.5DEG
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