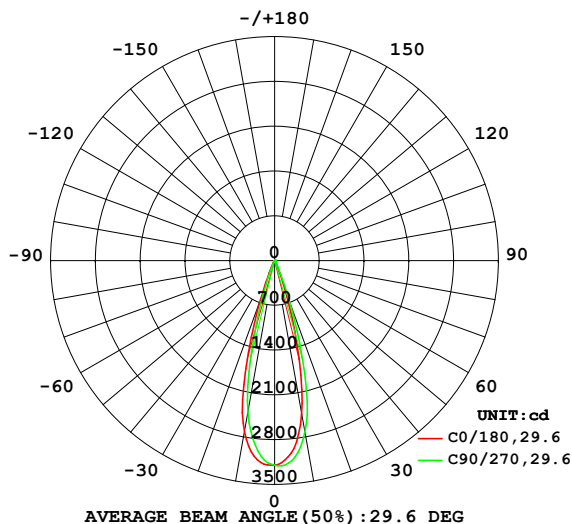


LUMINAIRE PHOTOMETRIC TEST REPORT

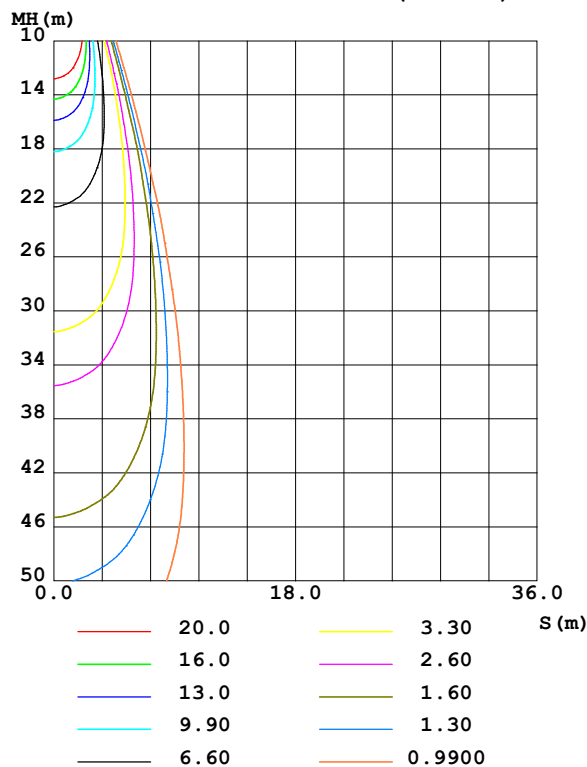
Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.38 lm/W			
MODEL	DL3788 2700K RA90 24D	I _{max} (cd)	3215	S/MH(C0/180)	0.47
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	798.48	η UP,DN(C0-180)	0.3,53.1
NOMINAL FLUX(lm)	798.485	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,46.1
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down (%)	99.2	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2441	2577	2731	2784	2721	2585	2412	2385	0- 10	277.4	277.4	34.7,34.7
20	461.1	614.7	708.7	736.3	650.2	514.1	393.7	400.9	10- 20	412.3	689.7	86.4,86.4
30	42.18	54.64	59.23	61.40	55.01	44.17	34.00	35.71	20- 30	85.26	774.9	97.1,97.1
40	6.264	8.265	9.811	10.26	8.867	6.133	5.037	5.026	30- 40	13.39	788.3	98.7,98.7
50	1.625	1.918	2.071	2.102	1.874	1.556	1.311	1.332	40- 50	2.742	791.1	99.1,99.1
60	0.2045	0.3590	0.4398	0.4545	0.3605	0.1979	0.1370	0.1295	50- 60	0.7692	791.8	99.2,99.2
70	0.1285	0.1667	0.1942	0.1874	0.1551	0.1150	0.1440	0.1504	60- 70	0.1751	792.0	99.2,99.2
80	0.1972	0.2184	0.2375	0.2127	0.2105	0.1555	0.1576	0.1688	70- 80	0.1796	792.2	99.2,99.2
90	0	0.0158	0.0558	0.0543	0.0022	0	0	0	80- 90	0.1477	792.4	99.2,99.2
100	0	0.0045	0.0207	0.0093	0.0022	0	0.0000	0	90-100	0.0104	792.4	99.2,99.2
110	0.0553	0.0608	0.0706	0.0647	0.0133	0.0158	0.0138	0.0162	100-110	0.0224	792.4	99.2,99.2
120	0.1152	0.1126	0.1416	0.1041	0.0555	0.0633	0.0755	0.0742	110-120	0.0653	792.4	99.2,99.2
130	0.2036	0.1756	0.1758	0.1640	0.4111	0.4947	0.5817	0.6029	120-130	0.1637	792.6	99.3,99.3
140	1.022	0.8772	0.7618	0.7505	1.811	1.999	2.189	2.253	130-140	0.6257	793.2	99.3,99.3
150	2.916	2.684	2.516	2.482	3.898	4.094	4.291	4.340	140-150	1.482	794.7	99.5,99.5
160	4.575	4.485	4.426	4.433	5.354	5.399	5.415	5.320	150-160	1.957	796.7	99.8,99.8
170	4.367	4.483	4.643	4.667	4.834	4.749	4.577	4.433	160-170	1.396	798.1	99.9,99.9
180	4.057	4.160	4.039	4.094	4.111	4.189	4.060	4.094	170-180	0.4119	798.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 790.1 lm

%lum = 99.0%

%lamp = 99.0%

Conical surface Flux(130deg): 791.95 lm

%lum = 99.2%

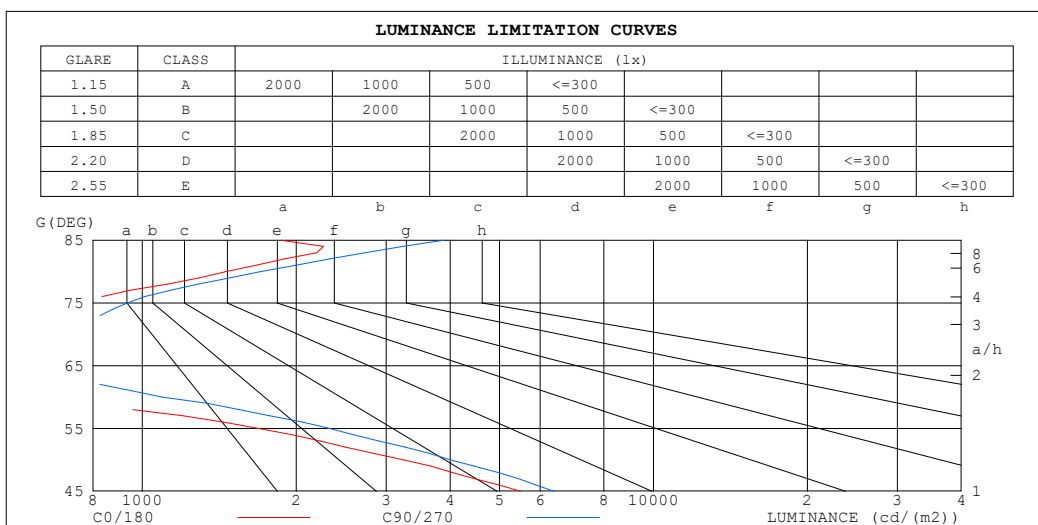
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Lihong yun
 Test Date:2023-04-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:7.580m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	Shielding Angle:



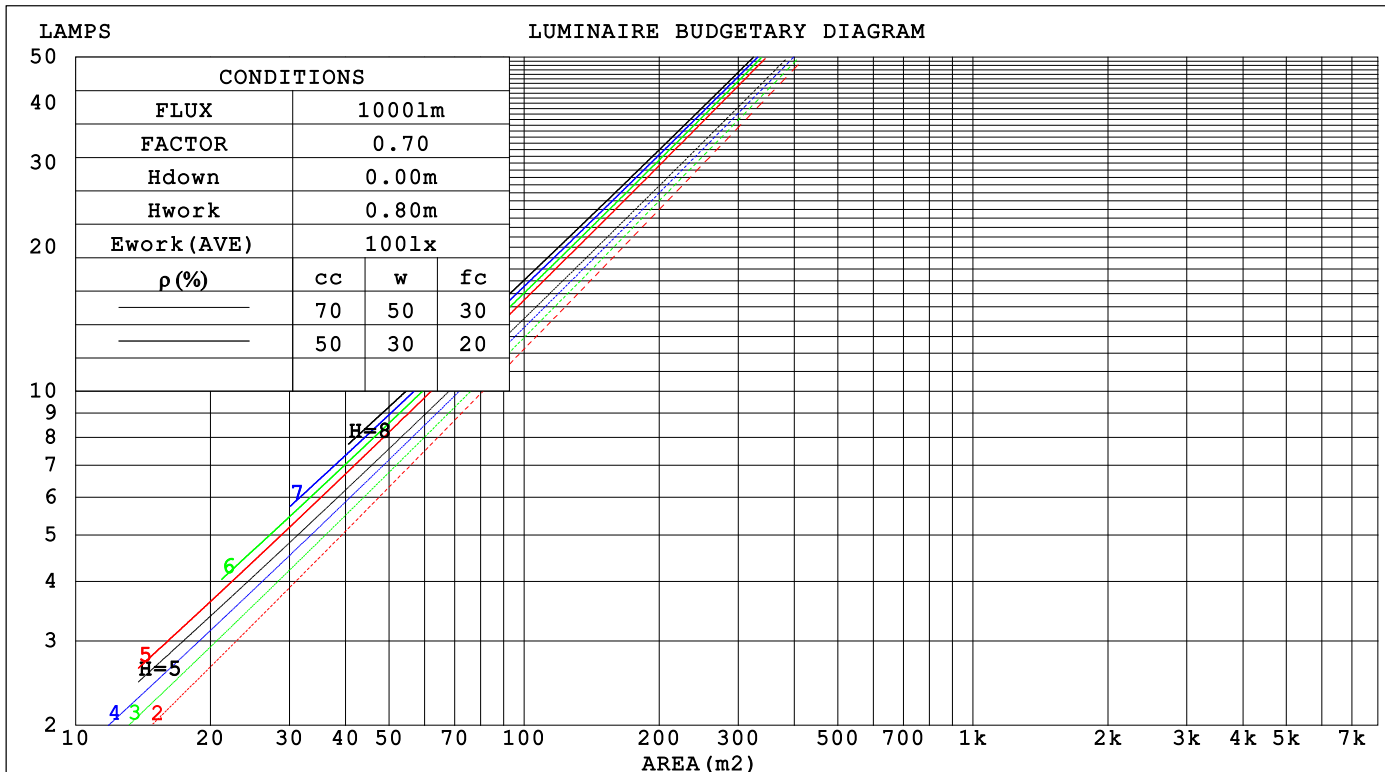
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.08	1.05	1.02	1.06	1.04	1.01	1.03	1.01	.99	.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.93	.95	.93	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.96	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.91	.88	.92	.89	.87	.91	.88	.87	.85
6.0	.93	.89	.86	.92	.89	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.90	.86	.83	.89	.85	.83	.87	.85	.82	.86	.84	.82	.81
8.0	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9.0	.85	.81	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.82	.80	.78	.77
10.0	.83	.79	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: VJC Lighting			SUR.: 32			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	.134	.076	.024	.127	.072	.023	.114	.065	.021	.102	.059	.019	.091	.053	.017															
2.0	.123	.067	.021	.117	.065	.020	.107	.059	.018	.097	.054	.017	.088	.050	.016															
3.0	.114	.061	.018	.110	.059	.018	.101	.055	.017	.093	.051	.016	.085	.047	.015															
4.0	.107	.056	.016	.103	.054	.016	.095	.051	.015	.088	.048	.014	.082	.045	.014															
5.0	.101	.051	.015	.097	.050	.015	.091	.047	.014	.085	.045	.013	.079	.042	.013															
6.0	.095	.048	.014	.092	.047	.013	.087	.044	.013	.081	.042	.012	.077	.040	.012															
7.0	.090	.045	.013	.088	.044	.012	.083	.042	.012	.078	.040	.012	.074	.039	.011															
8.0	.086	.042	.012	.084	.041	.012	.080	.040	.011	.076	.038	.011	.072	.037	.011															
9.0	.082	.040	.011	.080	.039	.011	.077	.038	.011	.073	.037	.010	.070	.035	.010															
10.0	.079	.038	.010	.077	.037	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010															

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	.196	.196	.196	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.174	.164	.154	.149	.140	.133	.102	.097	.092	.059	.056	.053	.019	.018	.017	
2.0	.156	.139	.124	.133	.119	.108	.091	.083	.075	.053	.048	.044	.017	.016	.014	
3.0	.140	.119	.102	.120	.103	.089	.083	.071	.062	.048	.042	.037	.015	.014	.012	
4.0	.128	.104	.086	.110	.090	.074	.075	.063	.052	.044	.037	.031	.014	.012	.010	
5.0	.117	.091	.073	.101	.079	.063	.069	.055	.045	.040	.032	.026	.013	.011	.009	
6.0	.108	.081	.062	.093	.071	.054	.064	.049	.038	.037	.029	.023	.012	.009	.008	
7.0	.100	.073	.054	.086	.063	.047	.060	.044	.033	.035	.026	.020	.011	.009	.007	
8.0	.094	.066	.047	.081	.058	.041	.056	.040	.029	.033	.024	.017	.011	.008	.006	
9.0	.088	.061	.042	.076	.053	.037	.053	.037	.026	.031	.022	.016	.010	.007	.005	
10.0	.083	.056	.038	.072	.049	.033	.050	.034	.023	.029	.020	.014	.009	.007	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm										
NAME: DL3788 2700K RA90 24D					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: VJC Lighting					SUR.: 32			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	7.2	7.9	7.4	8.0	8.2	8.7	9.3	8.9	9.5	9.7
3H	7.1	7.7	7.3	7.9	8.1	8.6	9.2	8.8	9.4	9.6
4H	7.0	7.6	7.3	7.8	8.0	8.5	9.1	8.8	9.3	9.5
6H	7.0	7.5	7.3	7.8	8.0	8.5	9.0	8.8	9.3	9.5
8H	7.0	7.5	7.3	7.8	8.1	8.5	9.0	8.8	9.3	9.5
12H	7.1	7.6	7.4	7.8	8.1	8.6	9.1	8.9	9.3	9.6
4H 2H	7.0	7.6	7.3	7.8	8.0	8.5	9.1	8.8	9.3	9.5
3H	6.9	7.4	7.2	7.6	7.9	8.4	8.8	8.7	9.1	9.4
4H	6.8	7.3	7.2	7.6	7.9	8.3	8.7	8.6	9.0	9.4
6H	6.8	7.2	7.2	7.6	7.9	8.3	8.7	8.7	9.0	9.4
8H	6.9	7.3	7.3	7.6	8.0	8.4	8.7	8.8	9.1	9.5
12H	7.0	7.3	7.4	7.7	8.1	8.5	8.8	8.9	9.2	9.6
8H 4H	6.7	7.1	7.1	7.4	7.8	8.2	8.5	8.6	8.9	9.3
6H	6.8	7.1	7.2	7.5	7.9	8.2	8.5	8.6	8.9	9.3
8H	6.9	7.2	7.4	7.6	8.1	8.3	8.6	8.8	9.0	9.5
12H	7.1	7.3	7.6	7.8	8.3	8.6	8.8	9.1	9.3	9.8
12H 4H	6.7	7.0	7.1	7.4	7.8	8.1	8.5	8.5	8.8	9.2
6H	6.8	7.0	7.2	7.5	7.9	8.2	8.5	8.6	8.9	9.3
8H	7.0	7.2	7.4	7.6	8.1	8.3	8.6	8.8	9.0	9.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 4.4					+ 3.4 / - 5.0				
1.5H	+ 4.6 / - 3.8					+ 5.5 / - 4.5				
2.0H	+ 3.3 / - 2.0					+ 3.2 / - 1.8				

CIE Pub.117, 798.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.8)
Area: 0.0008 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	Shielding Angle:

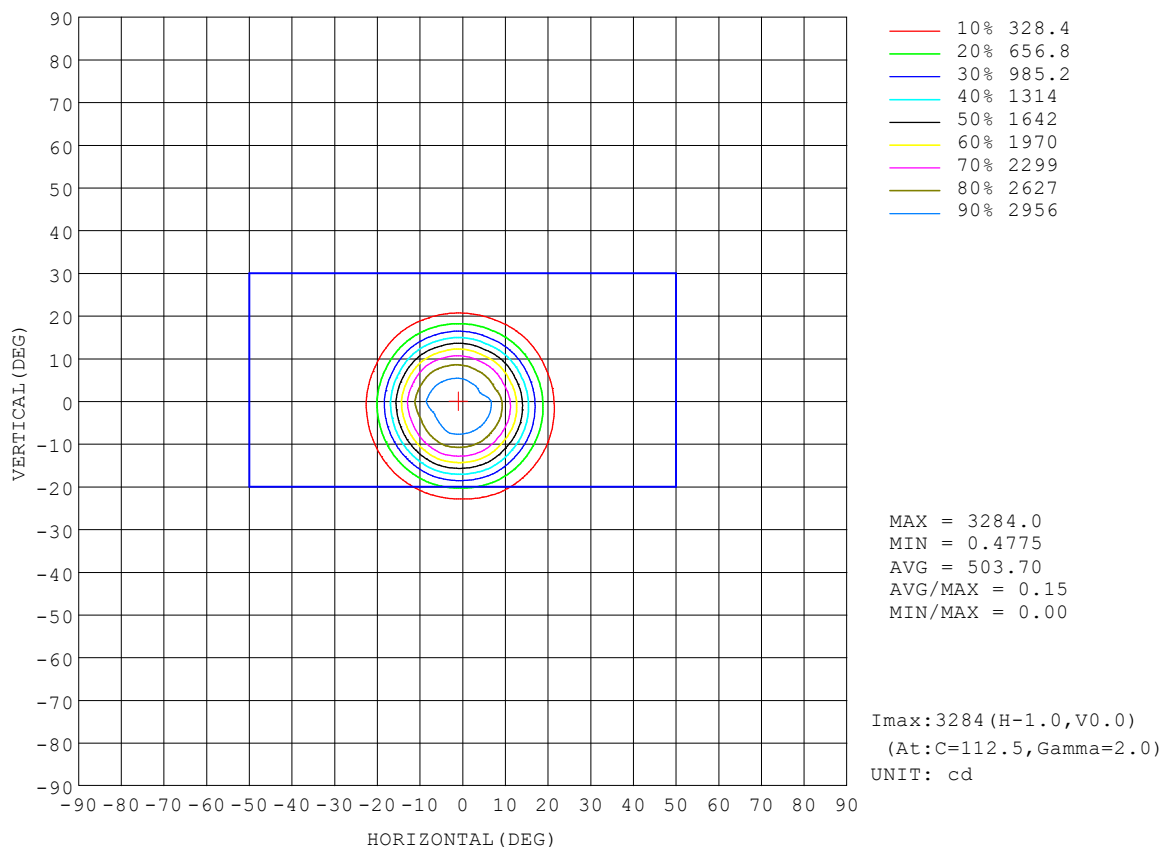
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	98
5.00	115	113	112	113	112	110	109	108	107	99
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: 25.3℃
Operators: Lihong yun
Test Date: 2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	Shielding Angle:

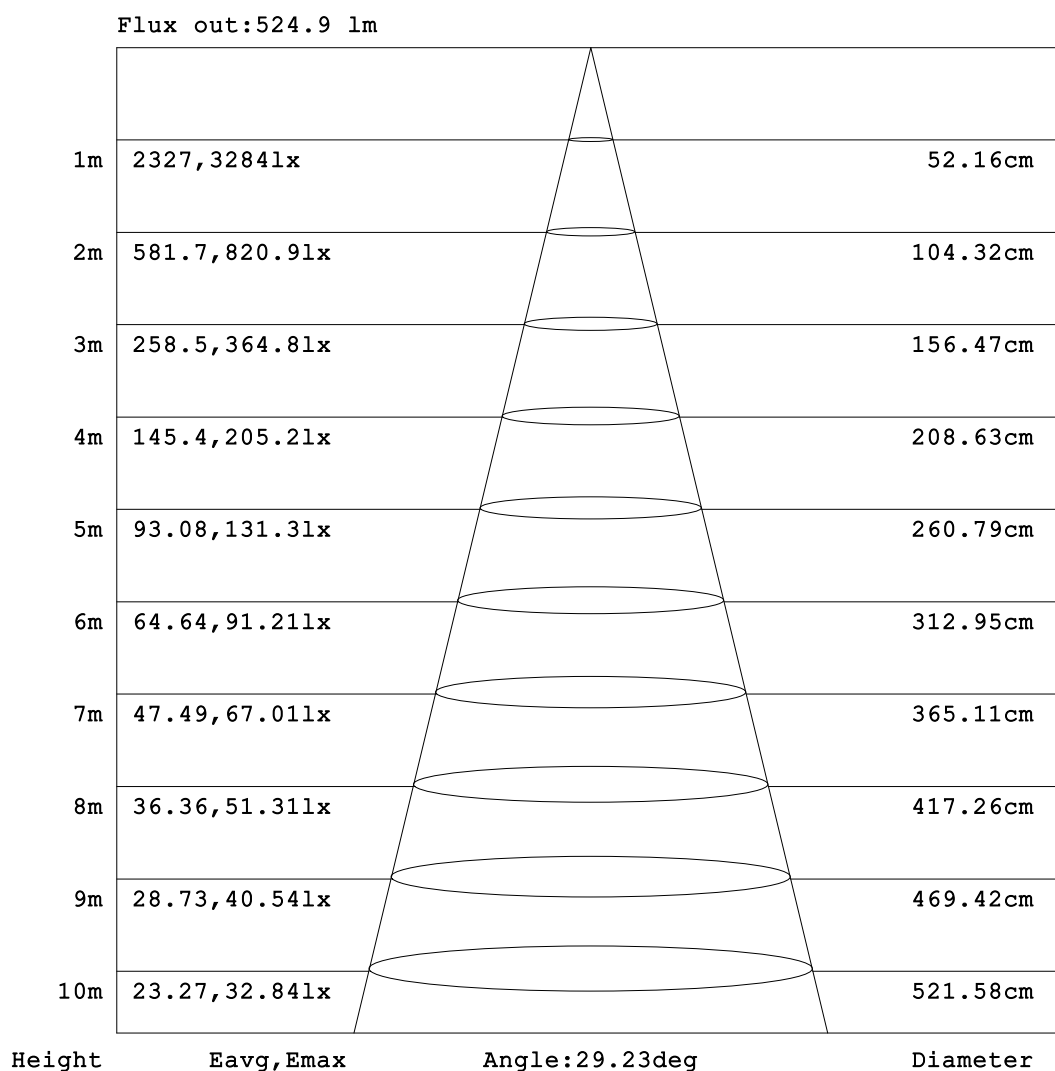


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Lihong yun
Test Date: 2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	Shielding Angle:



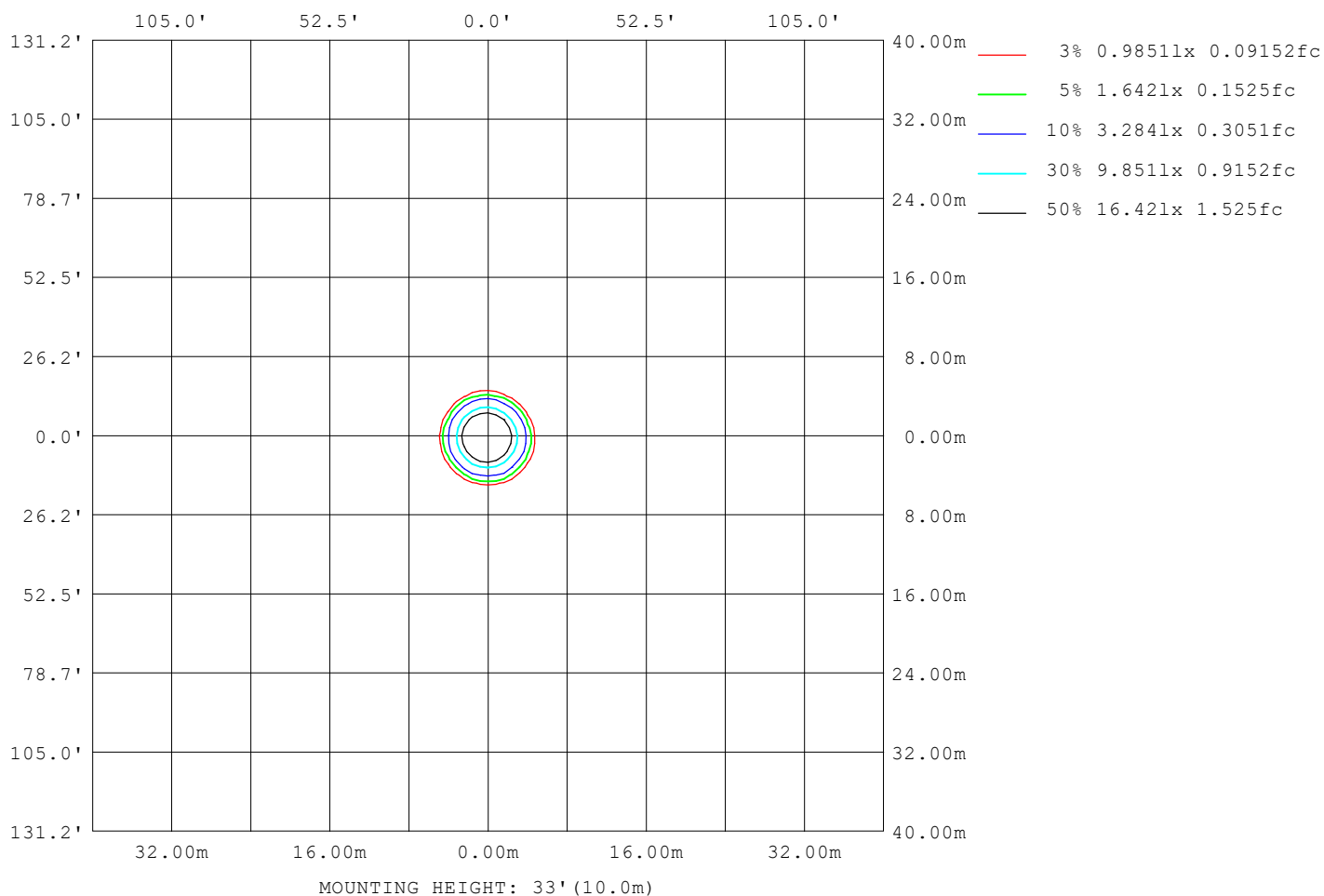
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 32	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Lihong yun
Test Date: 2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm		
NAME: DL3788 2700K RA90 24D	TYPE:	WEIGHT:
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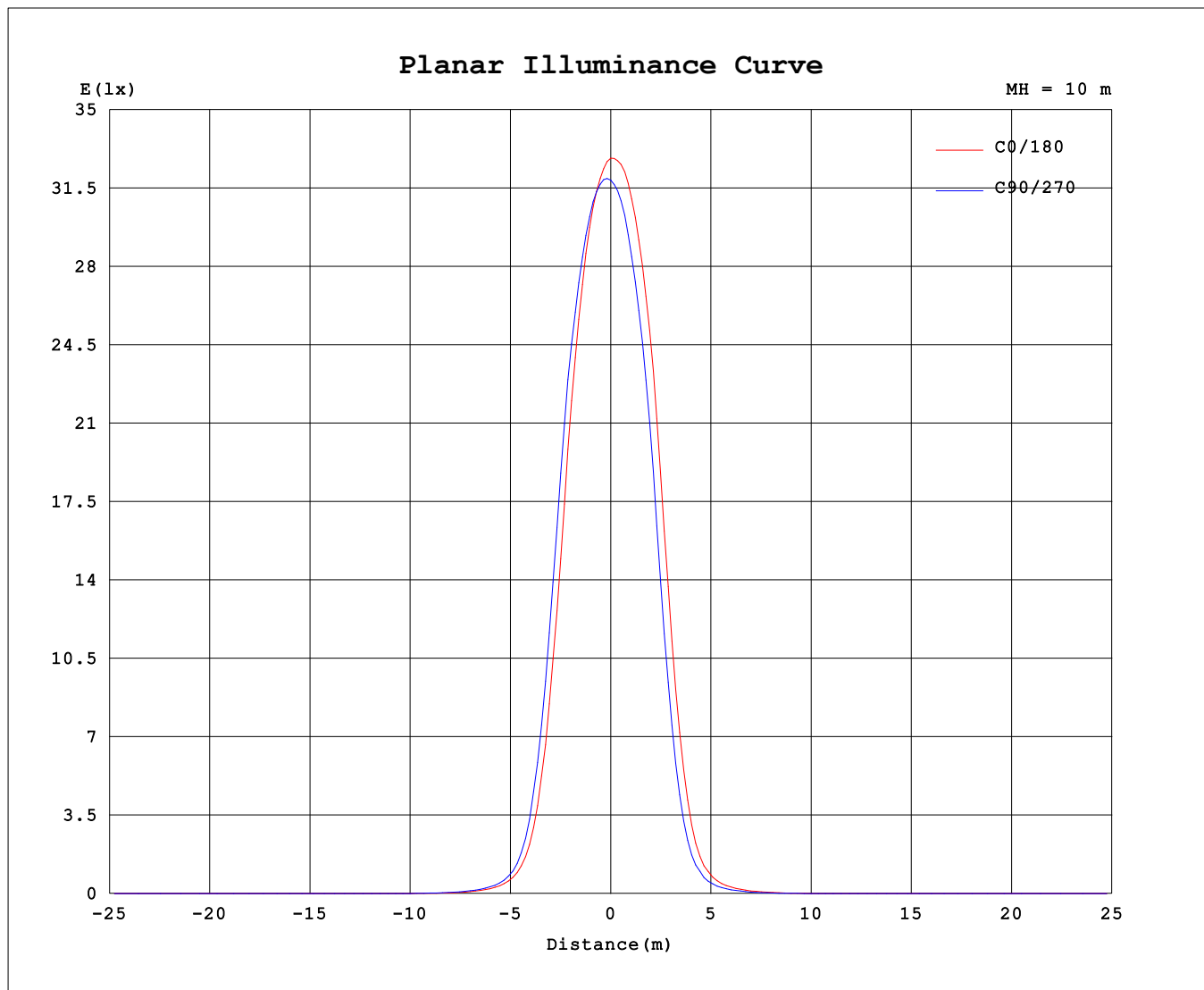
AvgL	cd/m2
L_0~180 (65) av	442
L_0~180 (75) av	781
L_0~180 (85) av	2308
L_90~270 (65) av	507
L_90~270 (75) av	850
L_90~270 (85) av	2047
L_45 (65) av	473
L_45 (75) av	789
L_45 (85) av	2105

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Speed: HIGH
Temperature: 25.3 °C
Operators: Lihong yun
Test Date: 2023-04-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.62V I:0.0738A P:15.540W PF:0.9545 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:798.485x1 lm																	
NAME: DL3788 2700K RA90 24D									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: VJC Lighting									SUR.: 32						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	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199			
5	3021	3066	3086	3116	3137	3159	3139	3142	3125	3082	3038	3007	2989	2968	2983	2982			
10	2441	2529	2577	2676	2731	2799	2784	2762	2721	2644	2585	2477	2412	2359	2385	2421			
15	1365	1484	1575	1738	1822	1912	1881	1847	1751	1623	1534	1373	1294	1214	1271	1314			
20	461	540	615	687	709	760	736	709	650	570	514	438	394	370	401	422			
25	124	154	170	192	184	194	190	179	163	139	134	112	98.0	95.6	105	109			
30	42.2	49.3	54.6	60.9	59.2	62.1	61.4	58.3	55.0	48.4	44.2	38.8	34.0	33.0	35.7	37.1			
35	16.7	19.1	20.9	23.5	24.1	25.3	25.0	23.9	22.5	19.5	17.3	15.3	13.9	13.4	14.0	14.6			
40	6.26	7.45	8.27	9.45	9.81	10.3	10.3	9.82	8.87	7.39	6.13	5.30	5.04	4.79	5.03	5.27			
45	3.03	3.36	3.47	3.69	3.63	3.59	3.63	3.60	3.48	3.28	3.00	2.78	2.70	2.59	2.72	2.81			
50	1.63	1.84	1.92	2.02	2.07	2.08	2.10	2.03	1.87	1.73	1.56	1.40	1.31	1.26	1.33	1.48			
55	0.76	0.85	0.95	1.00	1.07	1.06	1.08	1.00	0.86	0.78	0.71	0.63	0.52	0.50	0.53	0.67			
60	0.20	0.27	0.36	0.39	0.44	0.50	0.45	0.43	0.36	0.30	0.20	0.18	0.14	0.14	0.13	0.16			
65	0.14	0.14	0.18	0.18	0.21	0.20	0.22	0.18	0.16	0.15	0.11	0.12	0.13	0.13	0.13	0.12			
70	0.13	0.15	0.17	0.19	0.19	0.19	0.19	0.17	0.16	0.13	0.11	0.12	0.14	0.13	0.15	0.12			
75	0.15	0.18	0.17	0.20	0.19	0.21	0.18	0.18	0.17	0.13	0.13	0.12	0.16	0.15	0.17	0.15			
80	0.20	0.22	0.22	0.25	0.24	0.27	0.21	0.22	0.21	0.16	0.16	0.15	0.16	0.16	0.17	0.18			
85	0.13	0.16	0.23	0.25	0.27	0.26	0.25	0.22	0.19	0.18	0.11	0.08	0.01	0.00	0.00	0.04			
90	0.00	0.00	0.02	0.01	0.06	0.07	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.01	0.01	0.01	0.04	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.02	0.00	0.01	0.02	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.02	0.04	0.03	0.04	0.05	0.08	0.03	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00			
110	0.06	0.08	0.06	0.10	0.07	0.14	0.06	0.07	0.01	0.00	0.02	0.00	0.01	0.00	0.02	0.00			
115	0.09	0.11	0.09	0.13	0.12	0.15	0.09	0.10	0.03	0.00	0.03	0.01	0.03	0.01	0.03	0.00			
120	0.12	0.13	0.11	0.15	0.14	0.17	0.10	0.13	0.06	0.04	0.06	0.05	0.08	0.05	0.07	0.05			
125	0.14	0.15	0.13	0.16	0.15	0.17	0.13	0.15	0.15	0.14	0.18	0.17	0.21	0.20	0.22	0.18			
130	0.20	0.21	0.18	0.20	0.18	0.19	0.16	0.19	0.41	0.44	0.49	0.53	0.58	0.60	0.60	0.58			
135	0.46	0.43	0.38	0.37	0.33	0.34	0.33	0.36	0.97	1.03	1.11	1.19	1.26	1.31	1.30	1.28			
140	1.02	0.95	0.88	0.81	0.76	0.76	0.75	0.79	1.81	1.90	2.00	2.11	2.19	2.25	2.25	2.22			
145	1.88	1.78	1.68	1.59	1.53	1.49	1.50	1.55	2.83	2.93	3.04	3.16	3.24	3.31	3.31	3.28			
150	2.92	2.79	2.68	2.58	2.52	2.47	2.48	2.53	3.90	3.98	4.09	4.20	4.29	4.34	4.34	4.31			
155	3.91	3.81	3.70	3.62	3.56	3.52	3.54	3.59	4.84	4.87	4.97	5.03	5.12	5.11	5.10	5.06			
160	4.58	4.55	4.49	4.47	4.43	4.43	4.43	4.48	5.35	5.32	5.40	5.39	5.41	5.36	5.32	5.28			
165	4.72	4.73	4.76	4.81	4.80	4.87	4.86	4.87	5.27	5.25	5.27	5.22	5.17	5.09	5.04	5.01			
170	4.37	4.42	4.48	4.59	4.64	4.67	4.67	4.68	4.83	4.81	4.75	4.65	4.58	4.49	4.43	4.42			
175	4.00	4.09	4.17	4.18	4.16	4.19	4.28	4.24	4.31	4.34	4.34	4.20	4.11	4.11	4.06	3.98			
180	4.06	4.13	4.16	4.09	4.04	4.05	4.09	4.02	4.11	4.11	4.19	4.07	4.06	4.03	4.09	3.99			

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C Interval: 22.5DEG

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