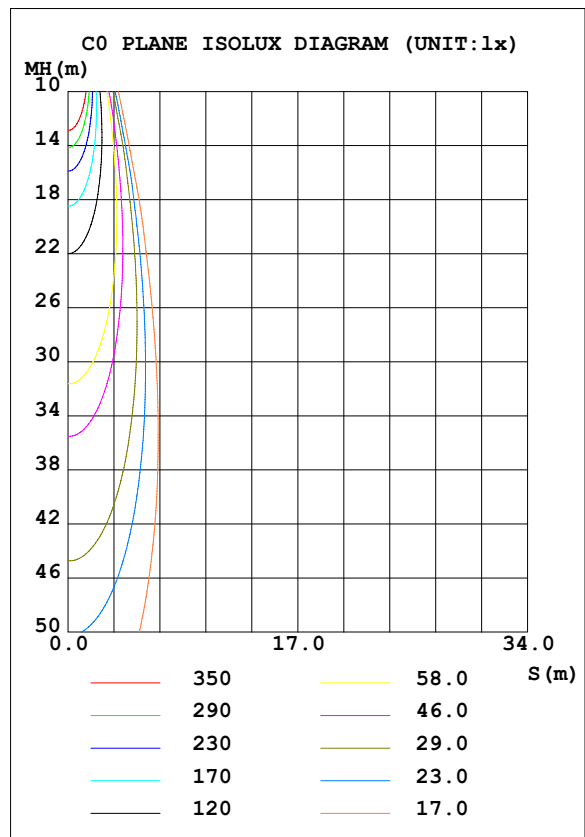
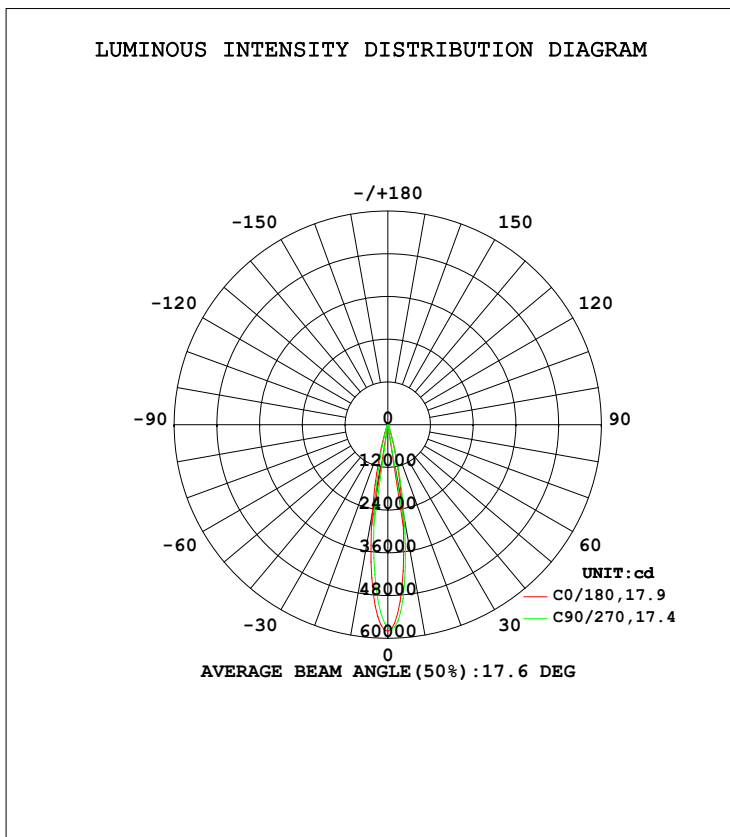


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: Ares XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 23.18 lm/W
MODEL	CLF ARES XS	Imax (cd)	57989	S/MH (C0/180)	0.30	
NOMINAL POWER (W)	300	LOR (%)	100.0	S/MH (C90/270)	0.32	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	6944.2	UP, DN (C0-180)	0.1, 46.5	
NOMINAL FLUX (lm)	6944.24	CIE CLASS	DIRECT	UP, DN (C180-360)	0.1, 53.4	
LAMPS INSIDE	1	up (%)	0.1	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	219.75	down (%)	99.9	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: June  
 Test Date: 2017-05-26

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 56.6%  
 Test Distance: 2.491m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum, lamp
10	2529	2216	1991	2004	2348	2508	2646	2688	0- 10	3625	3625	52.2,52.2
20	227.5	184.5	170.7	174.4	226.1	243.6	241.9	246.0	10- 20	2405	6030	86.8,86.8
30	51.29	46.72	45.55	44.35	50.11	52.24	55.79	53.45	20- 30	455.4	6486	93.4,93.4
40	19.06	17.26	18.15	16.88	18.58	19.06	21.18	18.82	30- 40	187.2	6673	96.1,96.1
50	10.74	10.05	9.084	9.276	10.31	9.973	10.16	10.47	40- 50	105.8	6779	97.6,97.6
60	7.351	5.782	6.011	5.349	7.330	5.917	6.204	5.842	50- 60	69.47	6848	98.6,98.6
70	5.931	4.383	4.262	4.148	5.531	4.451	5.026	4.473	60- 70	56.36	6905	99.4,99.4
80	1.437	0.6736	0.2505	0.4388	0.8701	0.6640	0.4709	0.8862	70- 80	29.30	6934	99.9,99.9
90	0.0043	0.0036	0.0034	0.0033	0.0066	0.0051	0.0051	0.0051	80- 90	1.568	6936	99.9,99.9
100	0.0053	0.0050	0.0048	0.0047	0.0076	0.0060	0.0063	0.0062	90-100	0.0553	6936	99.9,99.9
110	0.0061	0.0056	0.0057	0.0055	0.0072	0.0060	0.0062	0.0061	100-110	0.0626	6936	99.9,99.9
120	0.0095	0.0087	0.0091	0.0088	0.0100	0.0084	0.0087	0.0082	110-120	0.0694	6936	99.9,99.9
130	0.0244	0.0252	0.0272	0.0261	0.0253	0.0248	0.0250	0.0229	120-130	0.1295	6936	99.9,99.9
140	0.1649	0.1871	0.2083	0.1987	0.1461	0.1549	0.1469	0.1400	130-140	0.5490	6936	99.9,99.9
150	0.4100	0.5623	0.6264	0.5670	0.5004	0.6687	0.6954	0.6431	140-150	2.185	6939	99.9,99.9
160	0.4539	0.5312	0.5377	0.4886	0.9124	1.062	1.139	1.048	150-160	3.296	6942	100,100
170	0.3235	0.2990	0.2542	0.2581	0.7081	0.7941	0.8471	0.7845	160-170	1.928	6944	100,100
180	0.2644	0.3041	0.3362	0.3005	0.2652	0.3050	0.3380	0.3020	170-180	0.4118	6944	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 6731.5 lm

%lum = 96.9%

%lamp = 96.9%

Conical surface Flux(120deg): 6848.3 lm

%lum = 98.6%

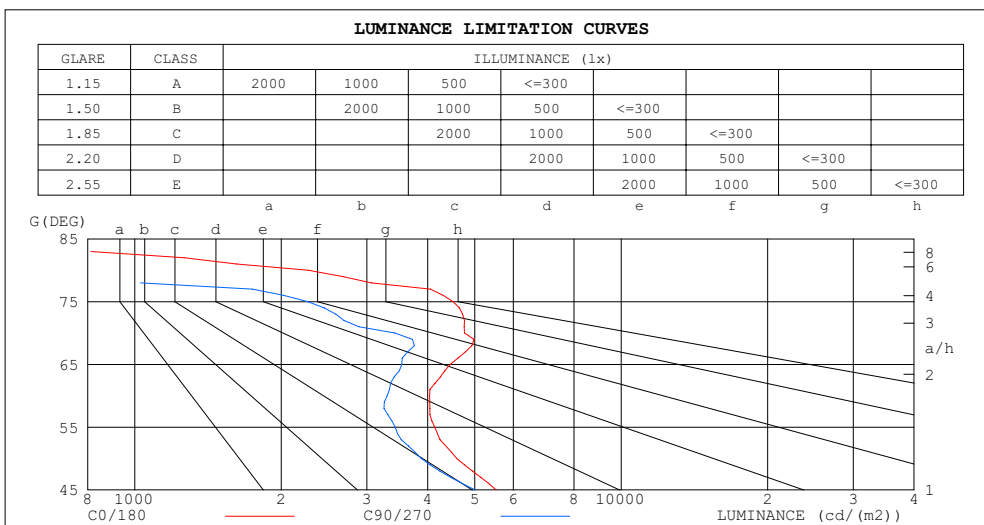
%lamp = 98.6%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	257	57
80	2274	396
75	4512	2266
70	4764	3424
65	4451	3539
60	4039	3303
55	4137	3430
50	4588	3883
45	5533	5011

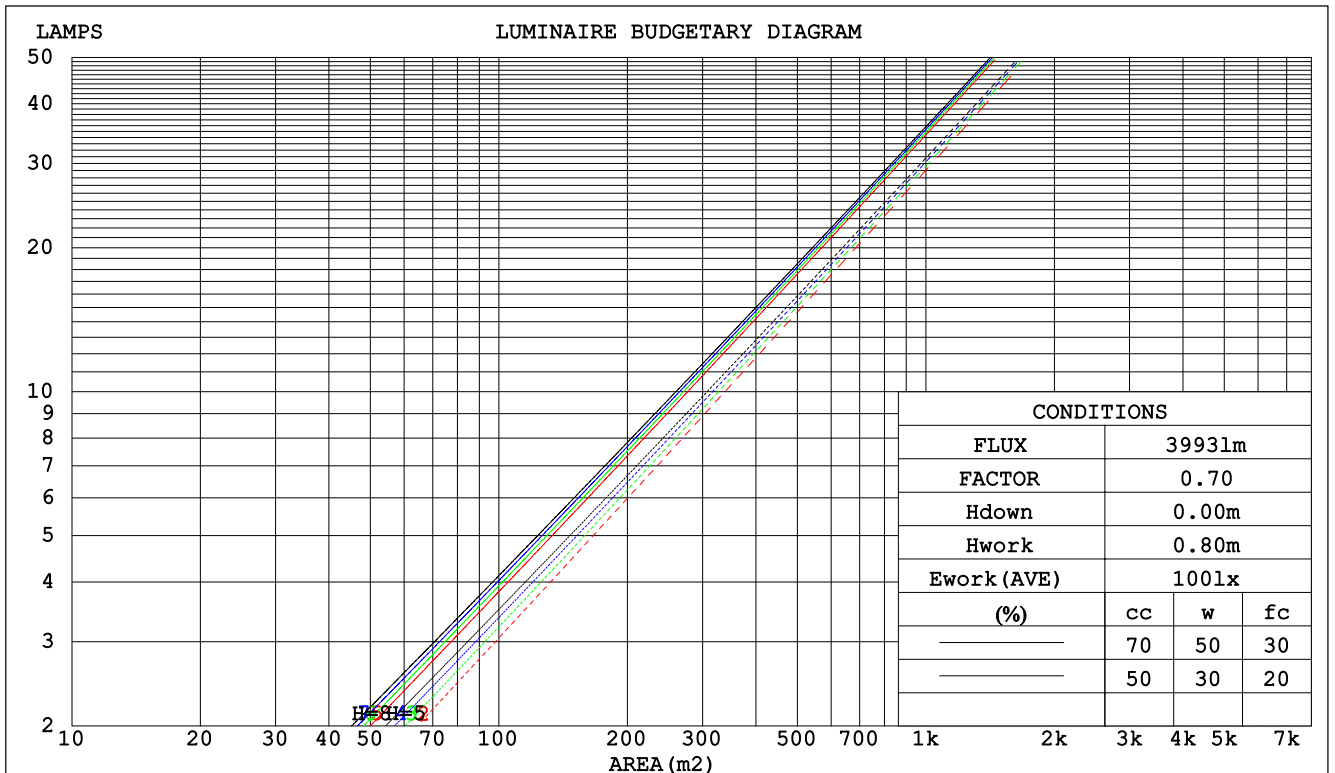
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:June  
 Test Date:2017-05-26

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:56.6%  
 Test Distance:2.491m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	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	1.02	1.02	1.02	.00
1.0	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.02	1.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.07	1.04	1.02	1.04	1.02	.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.01	.97	.94	.00	.96	.94	.98	.95	.93	.96	.94	.92	.94	.92	.91	.90
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.94	.91	.89	.92	.90	.89	.88
6.0	.95	.91	.89	.94	.91	.88	.93	.90	.88	.92	.89	.87	.91	.88	.87	.86
7.0	.93	.89	.86	.92	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
8.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.86	.84	.88	.85	.83	.82
9.0	.89	.85	.83	.88	.85	.82	.87	.84	.82	.87	.84	.82	.86	.84	.82	.81
10.0	.87	.83	.81	.86	.83	.81	.86	.83	.81	.85	.82	.81	.85	.82	.80	.80



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:June  
 Test Date:2017-05-26

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:56.6%  
 Test Distance:2.491m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm								
NAME: CLF ARES XS			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:1		
MFR.: CLF Lighting			SUR.:L260mm*W140mm			Shielding Angle:		

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.130	.074	.023	.124	.071	.022	.111	.064	.020	.100	.058	.019	.089	.052	.017	
2.0	.120	.066	.020	.114	.063	.019	.104	.058	.018	.095	.053	.017	.086	.049	.015	
3.0	.111	.059	.018	.106	.057	.017	.098	.053	.016	.090	.049	.015	.082	.046	.014	
4.0	.102	.053	.016	.099	.052	.015	.092	.049	.014	.085	.046	.014	.079	.043	.013	
5.0	.095	.049	.014	.092	.047	.014	.086	.045	.013	.081	.043	.013	.075	.040	.012	
6.0	.089	.045	.013	.087	.044	.013	.081	.042	.012	.077	.040	.012	.072	.038	.011	
7.0	.084	.042	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011	.069	.036	.011	
8.0	.079	.039	.011	.077	.038	.011	.074	.037	.010	.070	.035	.010	.066	.034	.010	
9.0	.075	.036	.010	.074	.036	.010	.070	.035	.010	.067	.034	.010	.064	.032	.009	
10.0	.072	.034	.010	.070	.034	.009	.067	.033	.009	.064	.032	.009	.062	.031	.009	

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.169	.159	.150	.144	.136	.129	.099	.094	.089	.057	.054	.052	.018	.017	.017	
2.0	.150	.134	.120	.129	.115	.104	.088	.080	.072	.051	.046	.042	.016	.015	.014	
3.0	.135	.114	.098	.116	.099	.085	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.099	.081	.104	.085	.070	.072	.059	.050	.042	.035	.029	.013	.011	.010	
5.0	.111	.086	.068	.095	.075	.059	.065	.052	.042	.038	.031	.025	.012	.010	.008	
6.0	.101	.076	.058	.087	.066	.051	.060	.046	.036	.035	.027	.021	.011	.009	.007	
7.0	.093	.068	.050	.080	.059	.043	.055	.041	.031	.032	.024	.018	.010	.008	.006	
8.0	.086	.061	.043	.074	.053	.038	.051	.037	.027	.030	.022	.016	.010	.007	.005	
9.0	.080	.055	.038	.069	.048	.033	.048	.033	.023	.028	.020	.014	.009	.006	.005	
10.0	.075	.050	.033	.065	.043	.029	.045	.031	.021	.026	.018	.012	.008	.006	.004	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm										
NAME: CLF ARES XS					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:1		
MFR.: CLF lighting					SUR.:L260mm*W140mm			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	9.5	10.1	9.7	10.2	10.4	8.6	9.2	8.8	9.3	9.5
3H	11.4	12.0	11.6	12.1	12.3	10.1	10.7	10.3	10.8	11.0
4H	12.1	12.7	12.4	12.9	13.1	10.4	10.9	10.7	11.1	11.3
6H	12.4	12.9	12.7	13.1	13.4	10.4	10.9	10.7	11.1	11.4
8H	12.4	12.9	12.7	13.1	13.4	10.4	10.9	10.7	11.1	11.4
12H	12.3	12.8	12.6	13.1	13.3	10.3	10.8	10.6	11.1	11.3
4H 2H	9.9	10.4	10.1	10.6	10.8	9.2	9.7	9.4	9.9	10.1
3H	12.1	12.6	12.4	12.8	13.1	10.9	11.3	11.2	11.6	11.8
4H	12.9	13.3	13.2	13.6	13.9	11.2	11.6	11.5	11.9	12.2
6H	13.1	13.5	13.5	13.8	14.2	11.2	11.6	11.6	11.9	12.2
8H	13.1	13.5	13.5	13.8	14.2	11.1	11.5	11.5	11.9	12.2
12H	13.1	13.4	13.5	13.8	14.1	11.1	11.4	11.5	11.8	12.2
8H 4H	12.9	13.3	13.3	13.6	14.0	11.4	11.8	11.8	12.1	12.5
6H	13.2	13.5	13.6	13.9	14.3	11.4	11.7	11.8	12.1	12.5
8H	13.2	13.4	13.6	13.9	14.3	11.3	11.6	11.8	12.0	12.5
12H	13.1	13.3	13.6	13.8	14.3	11.3	11.5	11.7	11.9	12.4
12H 4H	12.9	13.2	13.3	13.6	14.0	11.3	11.7	11.8	12.1	12.4
6H	13.1	13.4	13.6	13.8	14.3	11.4	11.6	11.8	12.0	12.5
8H	13.1	13.3	13.6	13.8	14.3	11.3	11.5	11.8	12.0	12.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.4 / - 0.5				
1.5H	+ 0.3 / - 0.4					+ 0.5 / - 1.0				
2.0H	+ 0.8 / - 0.5					+ 1.0 / - 0.5				

CIE Pub.117, 6944 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.7)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:

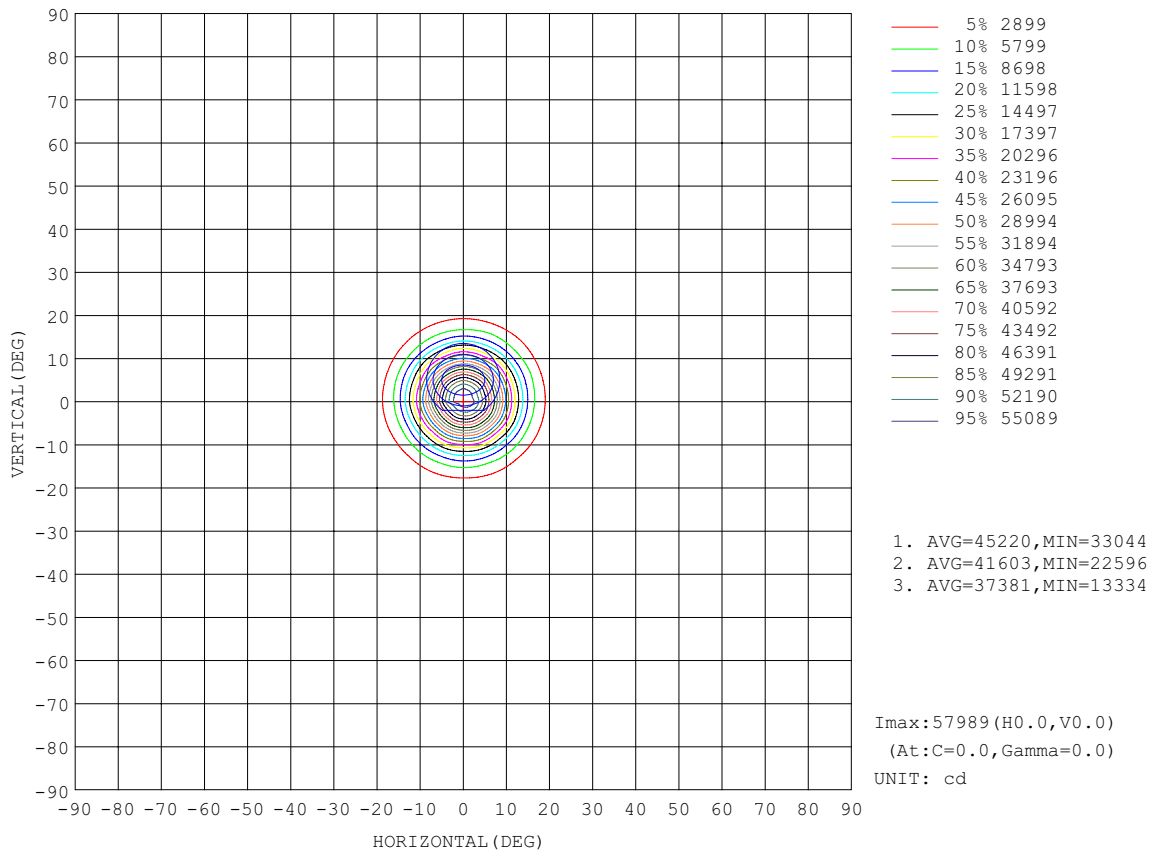
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	83	80	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	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:25.2DEG  
 Operators:June  
 Test Date:2017-05-26

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:56.6%  
 Test Distance:2.491m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:L260mm*W140mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

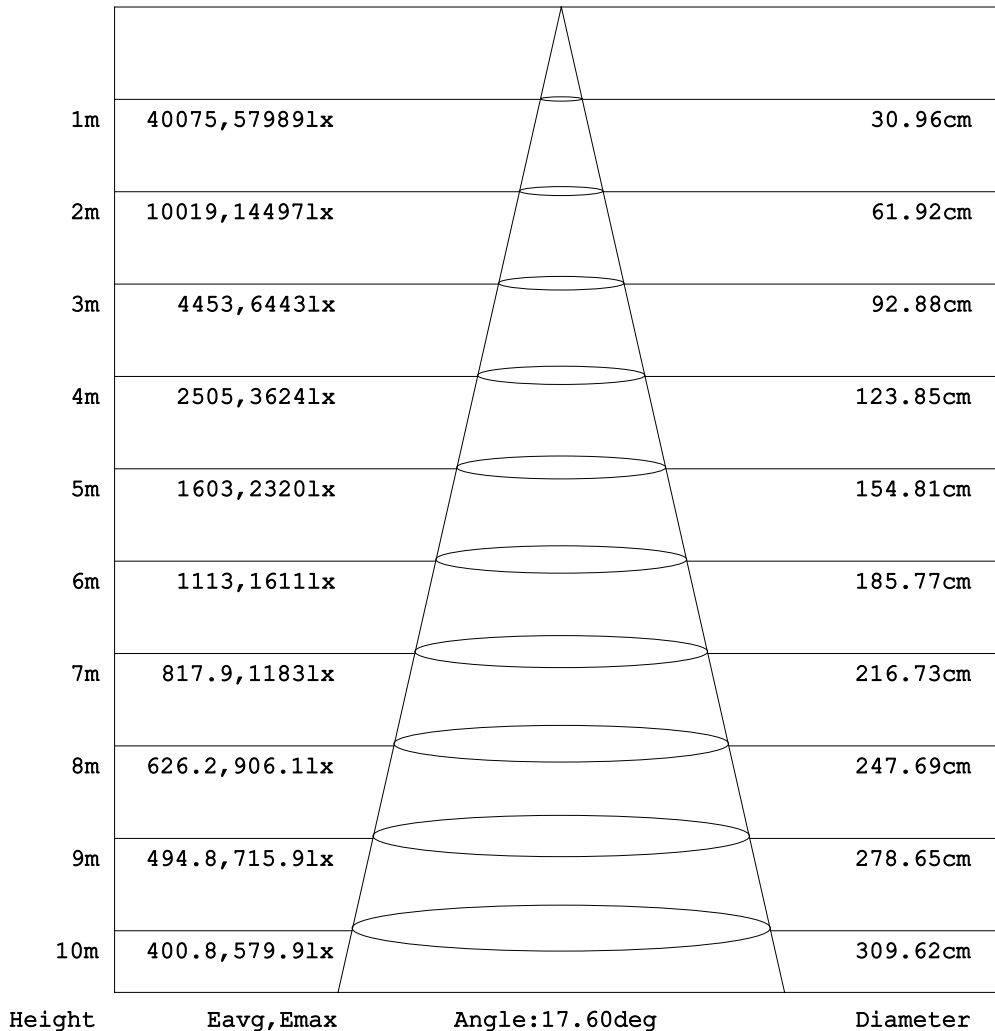
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:

Flux out:3158 lm



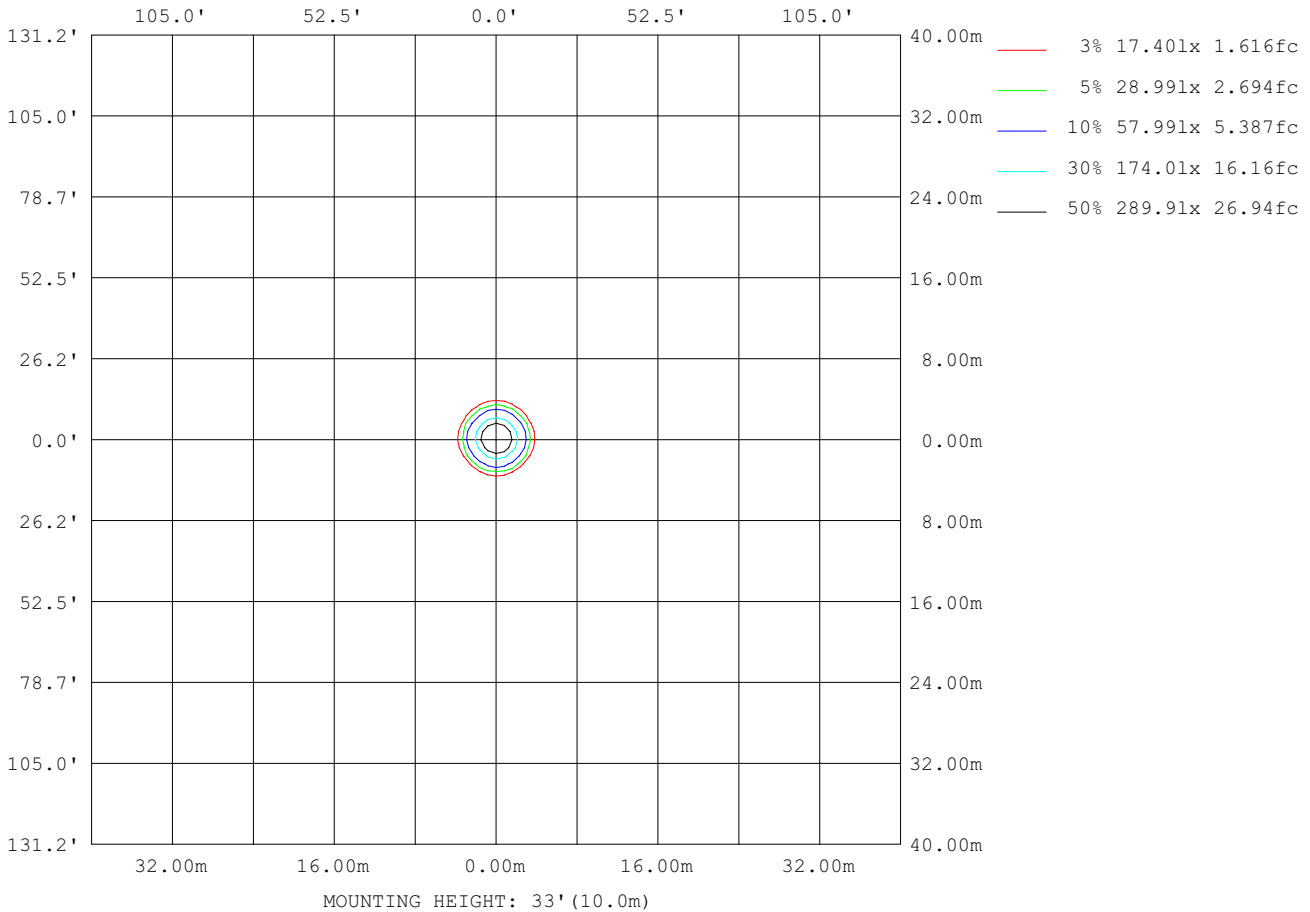
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:

**LED Avg.L Report**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF lighting	SUR.:L260mm*W140mm	Shielding Angle:

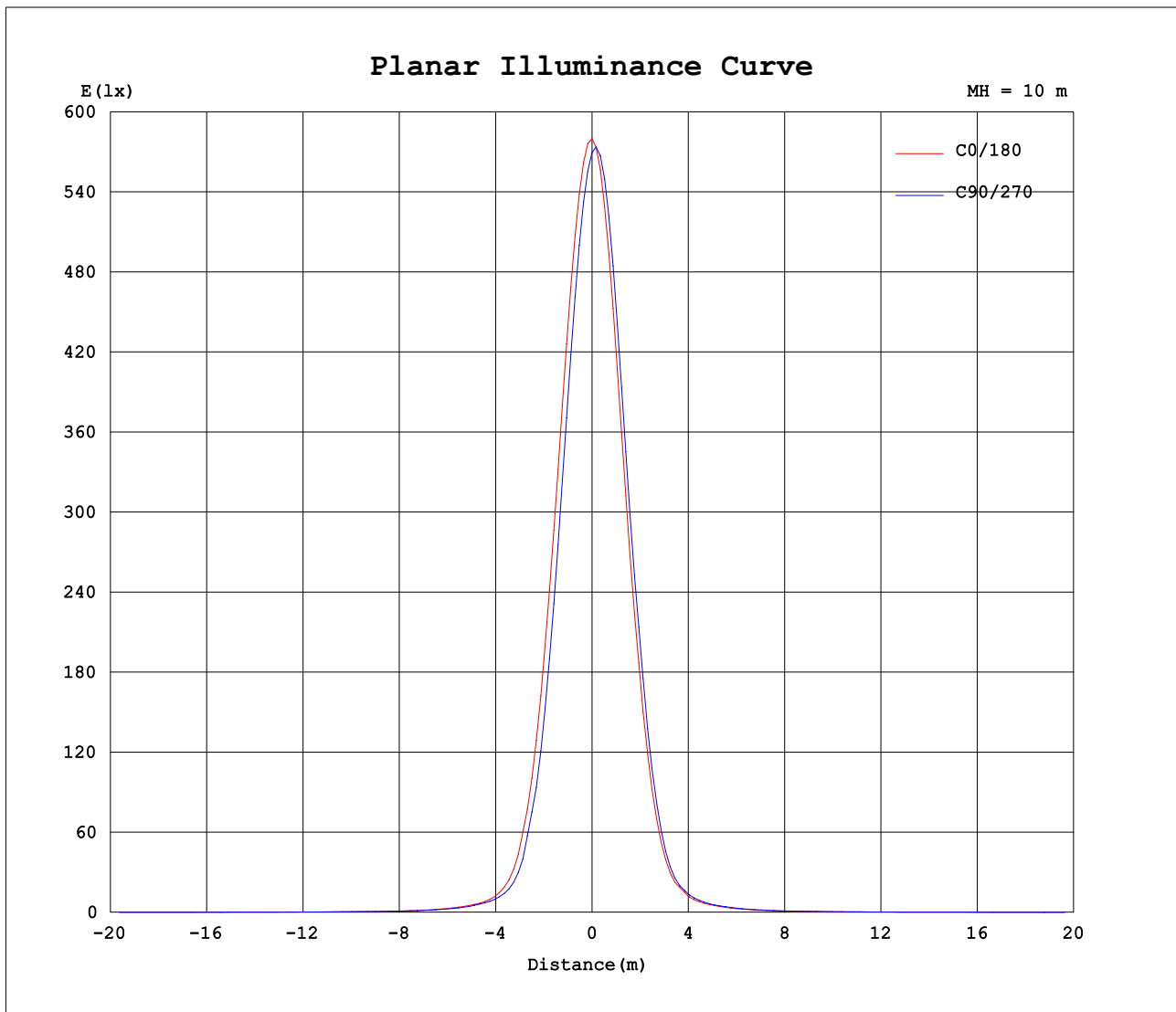
AvgL	cd/m2
L_0~180(65)av	4432
L_0~180(75)av	4179
L_0~180(85)av	165
L_90~270(65)av	3592
L_90~270(75)av	2472
L_90~270(85)av	128
L_45(65)av	3223
L_45(75)av	2997
L_45(85)av	142

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:June  
Test Date:2017-05-26

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:56.6%  
Test Distance:2.491m [K=1.0000]  
Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operator: June  
 Test Date: 2017-05-26

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 56.6%  
 Test Distance: 2.491m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:219.75V I:1.4312A P:299.61W PF:0.9526 Freq:60.00Hz Lamp Flux:6944.24x1 lm		
NAME: CLF ARES XS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:L260mm*W140mm	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) (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	5799	5771	5744	5723	5696	5681	5651	5650	5799	5771	5744	5723	5696	5681	5651	5650			
5	4742	4637	4448	4345	4227	4225	4212	4313	4580	4624	4762	4820	4901	4869	4861	4751			
10	2529	2424	2216	2149	1991	2043	2004	2157	2348	2390	2508	2561	2646	2642	2688	2599			
15	857	789	726	636	637	603	658	677	781	847	860	865	917	912	939	901			
20	228	223	184	195	171	186	174	204	226	219	244	236	242	241	246	231			
25	91.8	90.0	84.0	82.4	82.6	79.6	79.1	82.7	91.0	91.9	95.7	96.2	102	99.2	96.9	93.2			
30	51.3	49.9	46.7	46.1	45.6	44.5	44.4	46.3	50.1	50.5	52.2	52.4	55.8	53.8	53.4	50.2			
35	29.1	28.2	26.5	25.8	26.9	26.3	25.8	26.9	29.1	28.8	29.8	30.2	32.1	30.3	30.6	29.3			
40	19.1	18.5	17.3	17.1	18.1	17.6	16.9	17.7	18.6	19.1	19.1	19.2	21.2	19.7	18.8	19.0			
45	14.2	14.0	12.8	13.2	12.9	13.3	12.8	12.7	13.6	13.5	13.7	14.1	14.8	14.4	13.8	13.9			
50	10.7	10.5	10.0	9.06	9.08	8.91	9.28	9.52	10.3	10.2	9.97	9.93	10.2	9.99	10.5	10.5			
55	8.64	8.30	7.54	7.05	7.16	6.85	6.61	7.61	8.29	8.12	7.55	7.17	7.60	7.58	7.87	8.12			
60	7.35	7.11	5.78	5.95	6.01	5.74	5.35	6.52	7.33	7.09	5.92	5.90	6.20	6.26	5.84	6.92			
65	6.85	6.55	4.93	5.44	5.44	5.19	4.78	6.04	6.79	6.54	5.03	5.32	5.61	5.59	5.09	6.28			
70	5.93	6.17	4.38	4.67	4.26	4.43	4.15	4.37	5.53	5.31	4.45	4.38	5.03	5.01	4.47	5.74			
75	4.25	3.32	2.87	1.98	2.13	1.83	2.27	2.56	3.62	3.00	2.68	2.13	2.52	2.41	3.48	3.19			
80	1.44	1.04	0.67	0.29	0.25	0.23	0.44	0.61	0.87	0.81	0.66	0.65	0.47	0.84	0.89	1.08			
85	0.08	0.07	0.04	0.04	0.02	0.02	0.02	0.01	0.02	0.02	0.04	0.05	0.06	0.07	0.07	0.09			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
100	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
105	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
110	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
115	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
120	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
125	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
130	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.03	0.03	0.02	0.02	0.02			
135	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.06	0.06	0.05	0.05	0.05	0.05			
140	0.16	0.15	0.19	0.20	0.21	0.21	0.20	0.16	0.15	0.13	0.15	0.15	0.15	0.15	0.14	0.12			
145	0.28	0.29	0.37	0.40	0.41	0.41	0.38	0.30	0.30	0.30	0.37	0.38	0.36	0.36	0.34	0.28			
150	0.41	0.45	0.56	0.61	0.63	0.62	0.57	0.45	0.50	0.57	0.67	0.71	0.70	0.69	0.64	0.56			
155	0.46	0.51	0.60	0.64	0.65	0.64	0.58	0.51	0.73	0.84	0.93	0.99	1.00	0.98	0.92	0.82			
160	0.45	0.46	0.53	0.53	0.54	0.53	0.49	0.46	0.91	0.97	1.06	1.11	1.14	1.11	1.05	0.95			
165	0.37	0.38	0.40	0.37	0.37	0.37	0.35	0.36	0.87	0.93	1.00	1.04	1.07	1.04	0.98	0.90			
170	0.32	0.31	0.30	0.25	0.25	0.26	0.26	0.29	0.71	0.76	0.79	0.82	0.85	0.82	0.78	0.75			
175	0.26	0.24	0.21	0.20	0.21	0.22	0.22	0.24	0.46	0.51	0.55	0.56	0.57	0.55	0.53	0.51			
180	0.26	0.28	0.30	0.31	0.34	0.31	0.30	0.30	0.27	0.28	0.30	0.32	0.34	0.31	0.30	0.30			

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