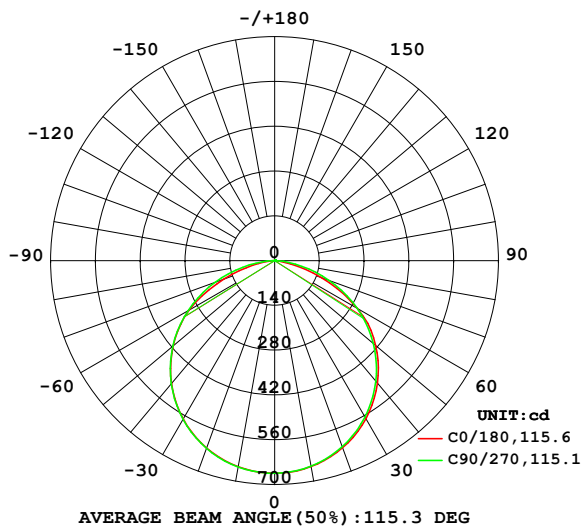


LUMINAIRE PHOTOMETRIC TEST REPORT

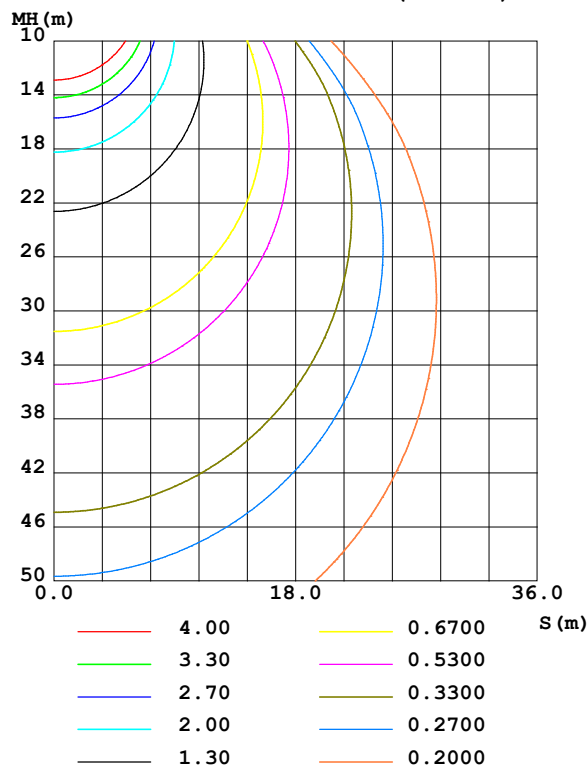
Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.37 lm/W
MODEL	2700K	I _{max} (cd)	664.6	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1948.1	η UP,DN(C0-180)	0.2,49.2	
NOMINAL FLUX(lm)	16.2338	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,50.4	
LAMPS INSIDE	120	η up (%)	0.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down (%)	99.7	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [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	653.9	652.6	652.4	653.2	654.3	655.3	655.3	654.7	0- 10	62.93	62.93	3.23,3.23
20	622.5	619.6	618.7	620.7	623.1	624.8	624.4	623.7	10- 20	180.9	243.8	12.5,12.5
30	571.0	566.4	564.8	568.2	571.9	574.1	573.0	572.4	20- 30	276.0	519.8	26.7,26.7
40	500.2	494.3	492.1	496.8	502.0	504.6	502.7	502.0	30- 40	336.0	855.8	43.9,43.9
50	412.0	404.9	402.6	408.5	414.5	417.8	415.5	414.4	40- 50	352.7	1208	62,62
60	298.6	300.0	298.1	304.6	309.0	315.1	312.7	310.6	50- 60	322.4	1531	78.6,78.6
70	156.0	182.6	181.6	188.5	168.6	199.8	197.8	194.4	60- 70	245.2	1776	91.2,91.2
80	29.80	66.14	66.05	72.44	52.51	82.15	80.54	76.57	70- 80	134.2	1910	98.1,98.1
90	0.3394	1.771	1.153	1.866	0.3748	4.022	3.232	2.704	80- 90	30.95	1941	99.7,99.7
100	0.4662	0.4511	0.4597	0.4518	0.5139	0.5040	0.4780	0.4968	90-100	0.8554	1942	99.7,99.7
110	0.7047	0.6872	0.6691	0.6960	0.7419	0.7192	0.6854	0.7070	100-110	0.6177	1943	99.7,99.7
120	0.9641	0.9234	0.9132	0.9404	0.9830	0.9423	0.9111	0.9277	110-120	0.8112	1944	99.8,99.8
130	1.216	1.175	1.165	1.187	1.232	1.186	1.150	1.162	120-130	0.9489	1945	99.8,99.8
140	1.446	1.401	1.404	1.426	1.460	1.428	1.389	1.390	130-140	1.006	1946	99.9,99.9
150	1.651	1.614	1.625	1.634	1.672	1.646	1.617	1.608	140-150	0.9573	1947	99.9,99.9
160	1.821	1.803	1.837	1.821	1.843	1.829	1.838	1.803	150-160	0.7982	1947	100,100
170	1.958	1.968	2.011	1.970	1.987	1.987	2.021	1.971	160-170	0.5383	1948	100,100
180	2.057	2.070	2.100	2.057	2.062	2.070	2.105	2.073	170-180	0.1927	1948	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1068.3 lm

%lum = 54.8%

%lamp = 54.8%

Conical surface Flux(120deg): 1530.9 lm

%lum = 78.6%

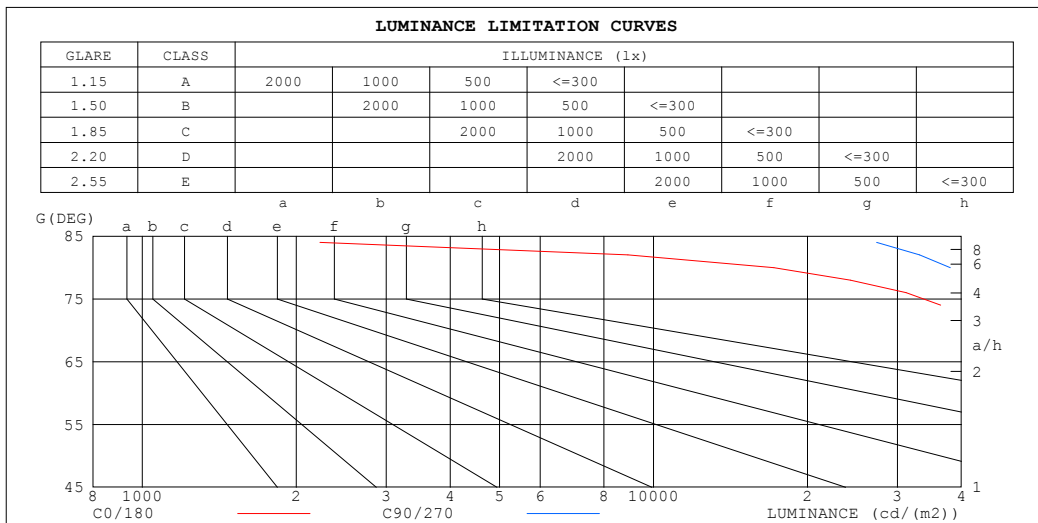
%lamp = 78.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-29

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity:65.0%
 Test Distance:6.040m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



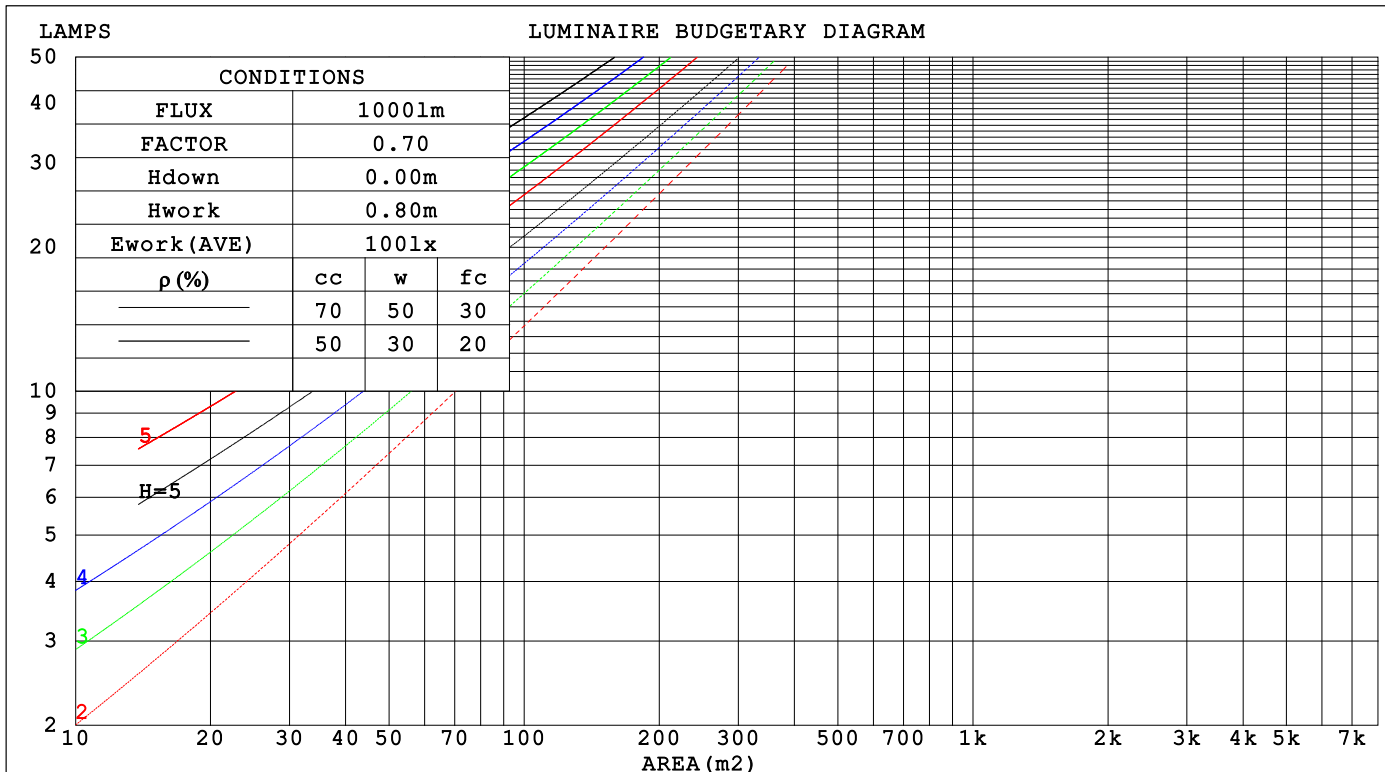
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-02-29

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	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	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.84	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.78	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	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	.308	.175	.055	.301	.171	.054	.287	.165	.053	.275	.158	.051	.263	.153	.049		
2.0	.291	.160	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.252	.143	.045		
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040		
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.166	.085	.025		
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021		

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.183	.159	.137	.156	.136	.118	.107	.094	.082	.062	.054	.047	.020	.017	.015		
2.0	.175	.135	.101	.150	.116	.087	.103	.080	.061	.059	.047	.036	.019	.015	.012		
3.0	.167	.117	.077	.143	.101	.067	.098	.070	.047	.057	.041	.028	.018	.013	.009		
4.0	.160	.104	.061	.137	.090	.053	.094	.062	.037	.054	.037	.022	.018	.012	.007		
5.0	.152	.093	.050	.131	.081	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006		
6.0	.145	.085	.042	.125	.074	.036	.086	.052	.026	.050	.030	.015	.016	.010	.005		
7.0	.138	.078	.036	.119	.068	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004		
8.0	.132	.072	.031	.114	.063	.027	.079	.044	.019	.046	.026	.012	.015	.009	.004		
9.0	.126	.067	.028	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003		
10.0	.120	.063	.025	.104	.055	.022	.072	.039	.016	.042	.023	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm											
NAME: 2835 120D IP20					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: 0.010*1			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	26.5	25.2	26.7	26.9	24.9	26.4	25.1	26.6	26.8	
	3H	26.3	27.7	26.6	27.9	28.2	26.3	27.7	26.6	28.0	28.2
	4H	26.7	28.0	27.0	28.3	28.5	26.9	28.2	27.2	28.5	28.7
	6H	26.8	28.0	27.1	28.3	28.6	27.2	28.5	27.5	28.7	29.0
	8H	26.7	28.0	27.1	28.3	28.6	27.3	28.5	27.6	28.8	29.1
	12H	26.7	27.9	27.1	28.2	28.5	27.3	28.4	27.6	28.7	29.1
4H 2H	25.5	26.9	25.9	27.1	27.4	25.5	26.8	25.8	27.1	27.3	
	3H	27.1	28.3	27.5	28.6	28.9	27.1	28.3	27.5	28.6	28.9
	4H	27.6	28.7	28.0	29.0	29.4	27.8	28.8	28.2	29.2	29.5
	6H	27.9	28.8	28.3	29.2	29.6	28.2	29.1	28.6	29.5	29.9
	8H	27.9	28.8	28.3	29.2	29.6	28.3	29.2	28.7	29.6	30.0
	12H	27.9	28.7	28.3	29.1	29.5	28.3	29.1	28.8	29.5	29.9
8H 4H	27.9	28.8	28.3	29.1	29.5	28.0	28.9	28.4	29.3	29.7	
	6H	28.3	29.0	28.7	29.4	29.9	28.5	29.3	29.0	29.7	30.1
	8H	28.4	29.0	28.8	29.5	29.9	28.7	29.4	29.2	29.8	30.2
	12H	28.4	28.9	28.9	29.4	29.9	28.8	29.3	29.3	29.8	30.3
12H 4H	27.9	28.7	28.3	29.1	29.5	28.0	28.8	28.4	29.2	29.6	
	6H	28.3	29.0	28.8	29.4	29.9	28.6	29.2	29.0	29.7	30.1
	8H	28.4	29.0	28.9	29.5	29.9	28.8	29.3	29.2	29.8	30.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3					

CIE Pub.117, 1948 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.3)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

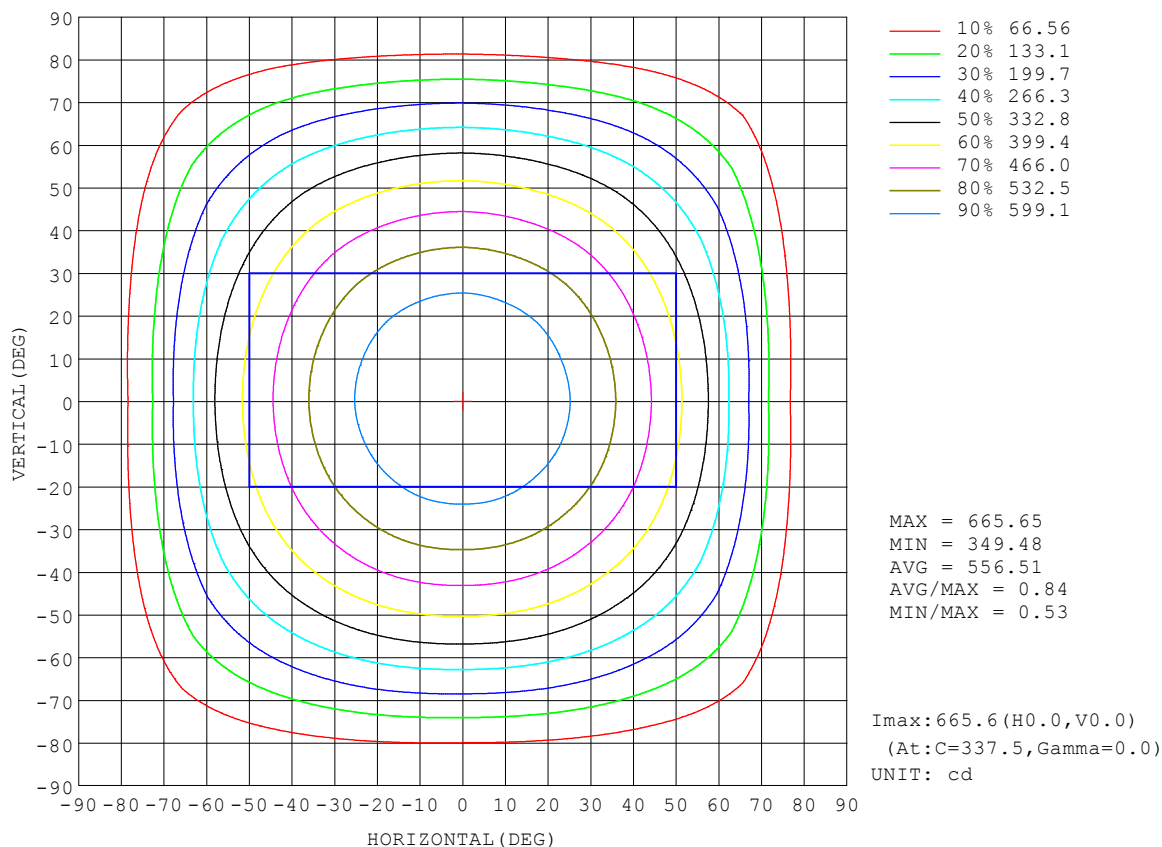
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	101	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: 25.3DEG
Operators:
Test Date: 2024-02-29

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

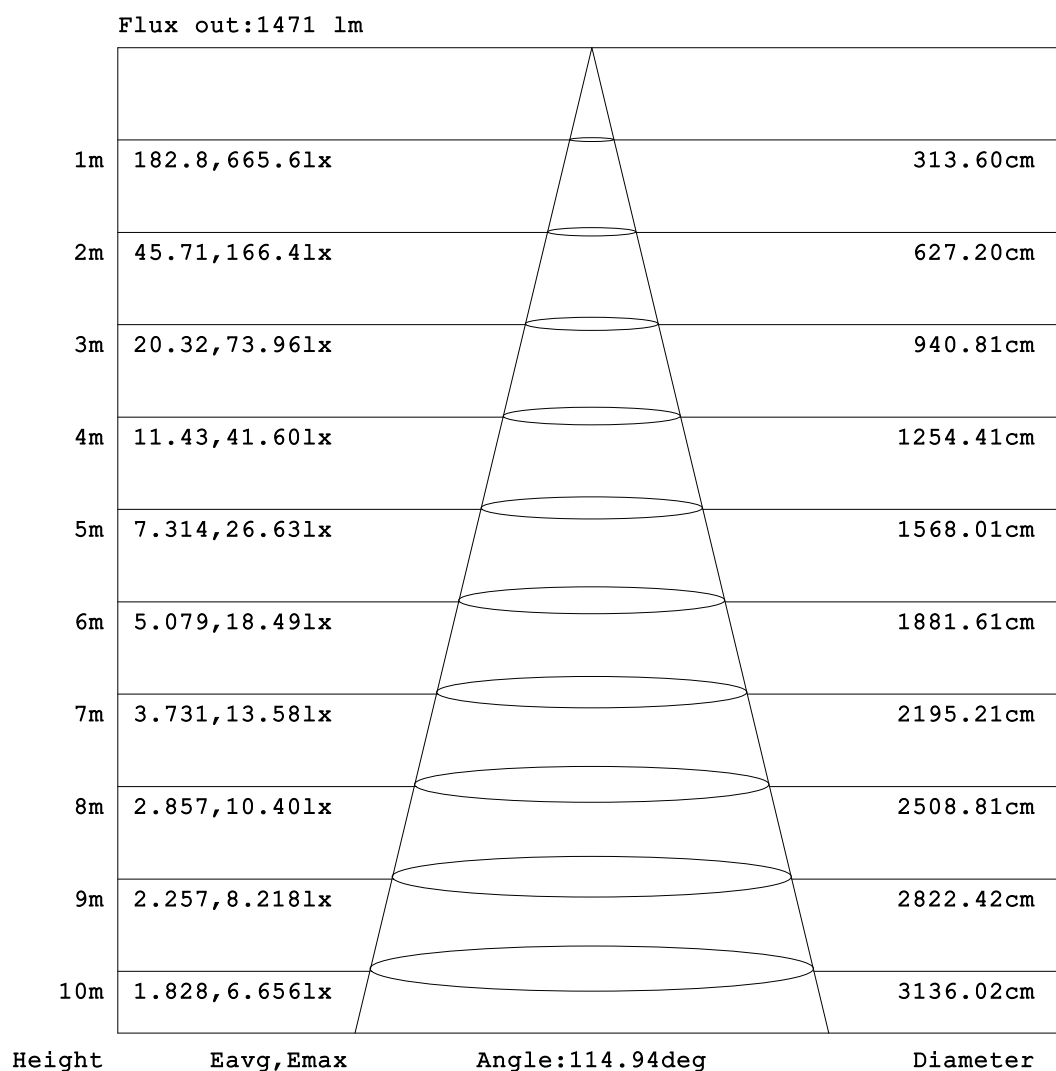


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-02-29

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



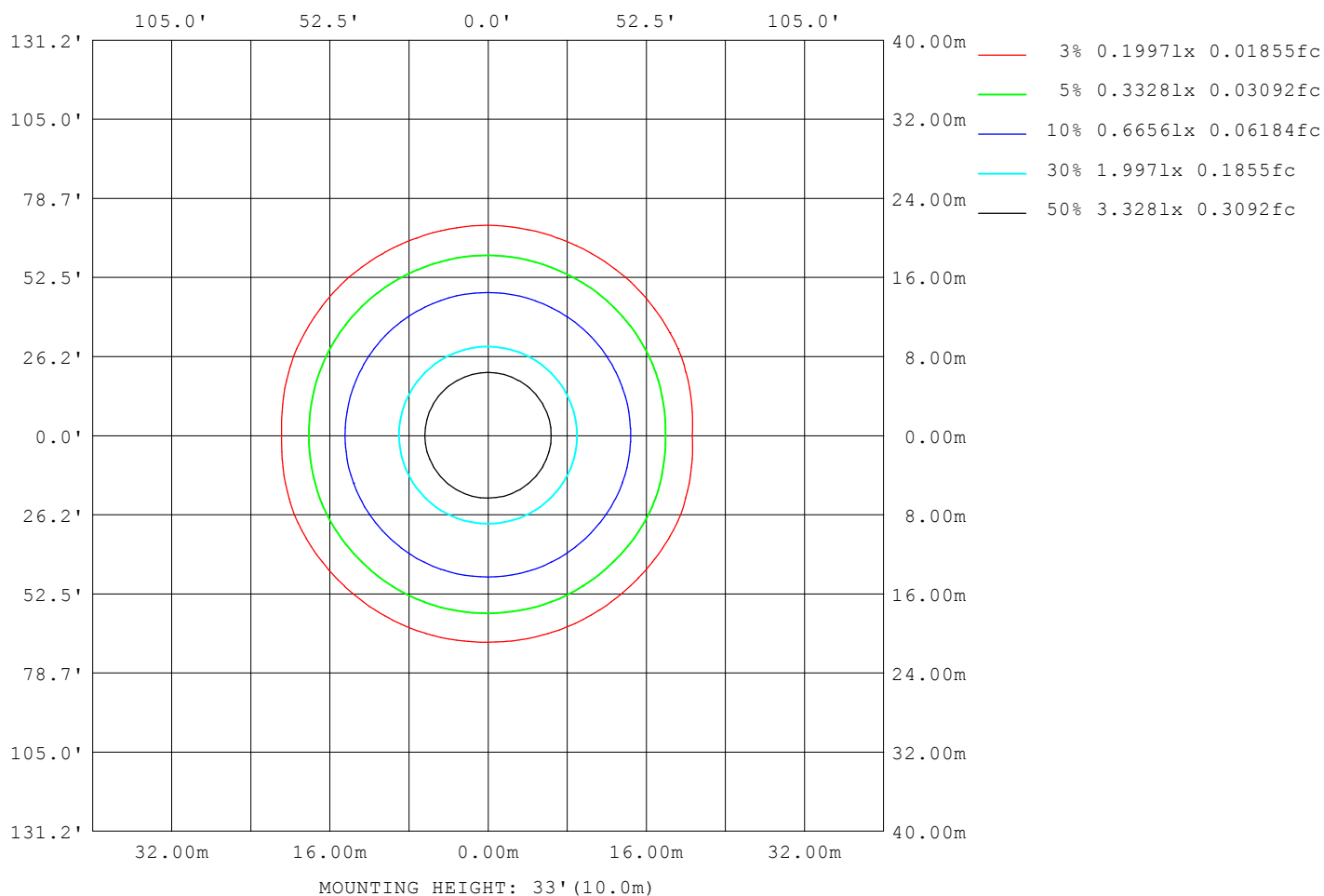
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm		
NAME: 2835 120D IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

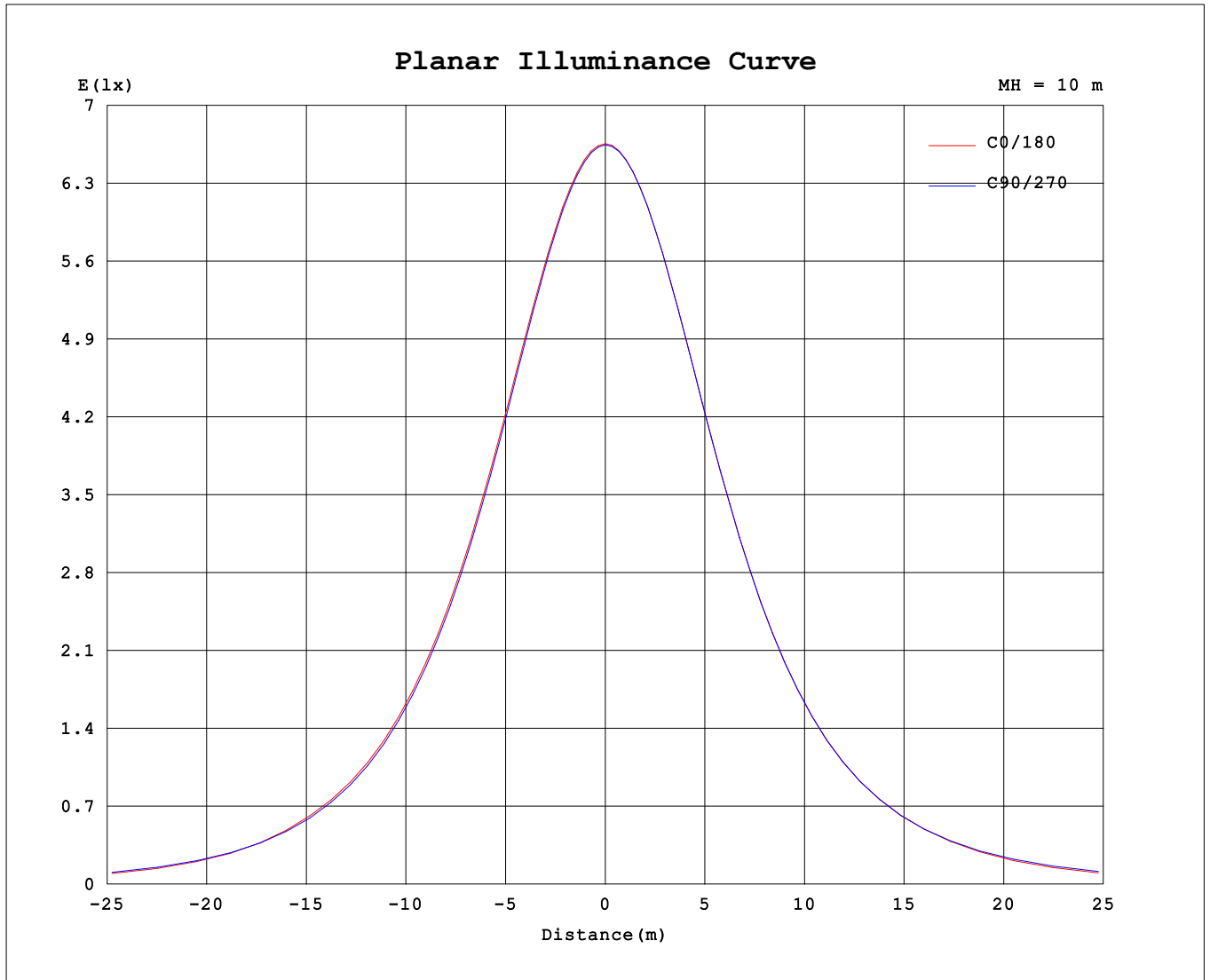
AvgL	cd/m2
L_0~180 (65) av	55309
L_0~180 (75) av	36849
L_0~180 (85) av	7852
L_90~270 (65) av	58852
L_90~270 (75) av	50323
L_90~270 (85) av	30116
L_45 (65) av	59320
L_45 (75) av	50745
L_45 (85) av	30732

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-29

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-29

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 6.040m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:1.0100A P:24.238W PF:1.0000 Freq:49.99Hz Lamp Flux:16.2338x120 lm																	
NAME: 2835 120D IP20									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: 0.010*1						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	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665			
5	663	663	662	662	662	663	663	663	663	663	663	663	663	663	663	663			
10	654	654	653	653	652	653	653	654	654	655	655	655	655	655	655	654			
15	644	643	642	642	641	642	643	644	644	645	646	645	645	645	645	644			
20	623	622	620	619	619	620	621	622	623	624	625	624	624	623	624	623			
25	604	603	601	600	599	601	602	604	605	606	607	606	606	605	605	605			
30	571	570	566	566	565	567	568	571	572	573	574	573	573	572	572	571			
35	545	543	540	539	538	541	542	545	546	547	548	547	547	545	546	545			
40	500	498	494	493	492	495	497	500	502	503	505	503	503	501	502	501			
45	467	465	461	460	458	462	463	467	469	470	472	470	470	468	469	468			
50	412	410	405	404	403	406	408	413	414	416	418	415	416	413	414	413			
55	372	370	365	364	362	367	369	373	375	376	378	376	376	374	375	373			
60	299	305	300	300	298	303	305	310	309	312	315	313	313	310	311	308			
65	243	260	254	254	253	257	259	264	253	267	270	268	268	265	266	263			
70	156	188	183	183	182	186	188	193	169	196	200	198	198	194	194	191			
75	100	139	134	135	134	138	140	145	115	148	152	150	150	146	146	143			
80	29.8	69.8	66.1	66.5	66.1	70.0	72.4	75.7	52.5	79.4	82.1	81.3	80.5	78.0	76.6	73.9			
85	2.32	31.3	28.7	29.0	28.6	31.7	33.0	36.0	20.4	38.6	41.5	40.3	40.1	37.4	36.6	33.8			
90	0.34	1.94	1.77	1.50	1.15	1.70	1.87	2.52	0.37	3.16	4.02	3.56	3.23	2.69	2.70	2.21			
95	0.34	0.36	0.78	0.86	0.70	0.87	0.89	0.37	0.40	0.42	0.88	0.93	0.74	0.89	0.79	0.41			
100	0.47	0.48	0.45	0.46	0.46	0.47	0.45	0.48	0.51	0.49	0.50	0.47	0.48	0.45	0.50	0.49			
105	0.56	0.57	0.54	0.55	0.52	0.56	0.55	0.57	0.61	0.57	0.59	0.55	0.56	0.53	0.58	0.57			
110	0.70	0.72	0.69	0.69	0.67	0.70	0.70	0.72	0.74	0.71	0.72	0.68	0.69	0.66	0.71	0.71			
115	0.81	0.82	0.78	0.79	0.77	0.81	0.79	0.83	0.84	0.80	0.81	0.77	0.77	0.75	0.80	0.80			
120	0.96	0.97	0.92	0.93	0.91	0.95	0.94	0.96	0.98	0.93	0.94	0.91	0.91	0.88	0.93	0.94			
125	1.07	1.07	1.03	1.03	1.01	1.06	1.04	1.07	1.08	1.04	1.04	1.00	1.01	0.97	1.02	1.03			
130	1.22	1.22	1.18	1.18	1.17	1.22	1.19	1.23	1.23	1.18	1.19	1.15	1.15	1.12	1.16	1.17			
135	1.31	1.31	1.26	1.27	1.26	1.32	1.28	1.32	1.33	1.28	1.28	1.26	1.25	1.21	1.26	1.26			
140	1.45	1.45	1.40	1.41	1.40	1.46	1.43	1.46	1.46	1.41	1.43	1.40	1.39	1.35	1.39	1.40			
145	1.54	1.53	1.48	1.51	1.50	1.56	1.52	1.54	1.56	1.51	1.52	1.49	1.48	1.44	1.48	1.49			
150	1.65	1.65	1.61	1.63	1.62	1.68	1.63	1.67	1.67	1.63	1.65	1.62	1.62	1.57	1.61	1.61			
155	1.72	1.73	1.69	1.71	1.72	1.76	1.72	1.74	1.74	1.70	1.72	1.70	1.71	1.65	1.69	1.68			
160	1.82	1.84	1.80	1.83	1.84	1.88	1.82	1.85	1.84	1.81	1.83	1.82	1.84	1.77	1.80	1.79			
165	1.88	1.90	1.87	1.91	1.92	1.95	1.89	1.91	1.90	1.87	1.90	1.90	1.92	1.85	1.87	1.86			
170	1.96	1.99	1.97	2.01	2.01	2.03	1.97	1.99	1.99	1.95	1.99	1.98	2.02	1.96	1.97	1.95			
175	2.00	2.04	2.02	2.05	2.06	2.06	2.01	2.03	2.03	2.00	2.03	2.02	2.06	2.01	2.02	1.99			
180	2.06	2.07	2.07	2.08	2.10	2.09	2.06	2.06	2.06	2.06	2.07	2.08	2.11	2.08	2.07	2.04			

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