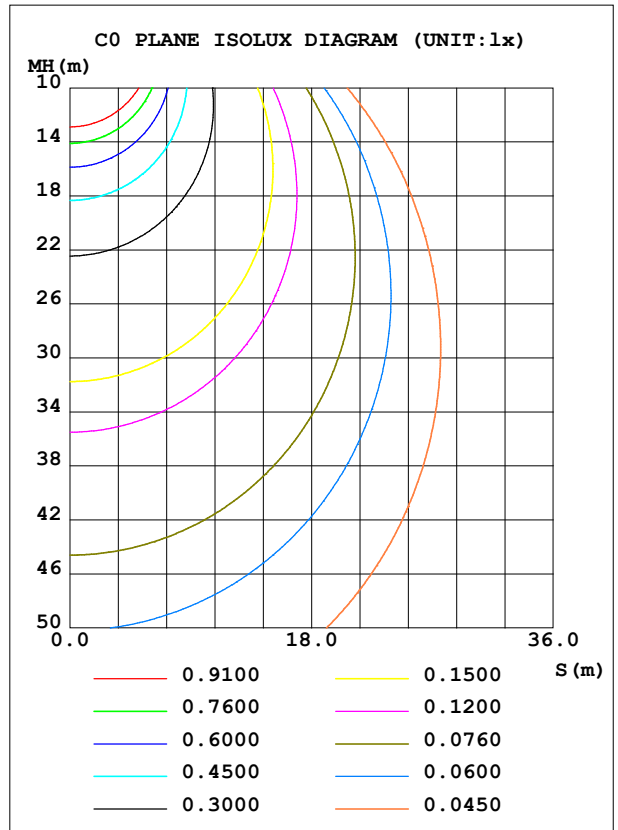
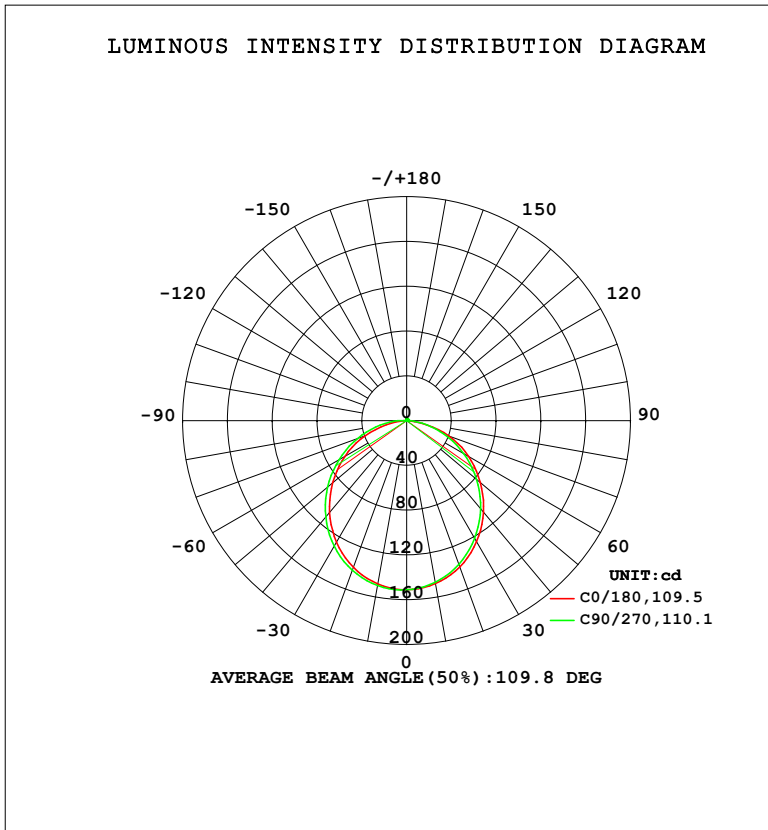


**LUMINAIRE PHOTOMETRIC TEST REPORT**

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 44.33 lm/W
MODEL	3000K RA90	I <sub>max</sub> (cd)	151.3	S/MH (C0/180)	1.24	
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.27	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	431.80	<input type="checkbox"/> UP, DN (C0-180)	0.9,47.1	
NOMINAL FLUX (lm)	431.803	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.8,51.2	
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.8	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	24	<input type="checkbox"/> down (%)	98.2	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	147.9	146.6	146.6	147.4	148.2	149.6	149.6	148.7	0- 10	14.28	14.28	3.31,3.31
20	139.0	136.6	136.5	138.1	139.5	142.1	142.2	140.7	10- 20	40.74	55.01	12.7,12.7
30	124.9	121.6	121.5	123.5	125.4	129.2	129.6	127.3	20- 30	61.24	116.3	26.9,26.9
40	106.8	102.8	102.8	105.1	107.2	111.9	112.5	109.7	30- 40	73.04	189.3	43.8,43.8
50	85.95	81.44	81.46	83.99	86.20	91.45	92.20	89.09	40- 50	74.95	264.2	61.2,61.2
60	63.83	58.97	58.92	61.56	63.54	69.11	69.85	66.78	50- 60	67.39	331.6	76.8,76.8
70	40.18	36.16	36.01	38.28	39.47	45.94	46.81	43.79	60- 70	51.97	383.6	88.8,88.8
80	12.51	14.43	14.27	16.06	14.18	23.13	24.17	21.34	70- 80	30.96	414.6	96,96
90	0.1614	1.424	1.551	1.310	0.1663	3.878	4.898	2.960	80- 90	9.612	424.2	98.2,98.2
100	0.3419	1.192	1.176	0.9305	0.3186	0.7991	1.098	1.026	90-100	1.257	425.4	98.5,98.5
110	0.6292	1.254	1.233	1.020	0.5491	0.8041	1.005	1.038	100-110	0.9681	426.4	98.8,98.8
120	0.8930	1.335	1.345	1.037	0.7938	0.8400	1.072	1.092	110-120	0.9887	427.4	99,99
130	1.142	1.449	1.476	1.218	1.031	1.004	1.179	1.202	120-130	1.015	428.4	99.2,99.2
140	1.366	1.601	1.637	1.411	1.245	1.216	1.324	1.378	130-140	1.005	429.4	99.4,99.4
150	1.563	1.737	1.751	1.580	1.459	1.406	1.490	1.561	140-150	0.9284	430.3	99.7,99.7
160	1.756	1.815	1.832	1.744	1.670	1.639	1.662	1.721	150-160	0.7591	431.1	99.8,99.8
170	1.943	1.941	1.901	1.896	1.891	1.832	1.814	1.878	160-170	0.5086	431.6	100,100
180	2.081	2.039	2.020	2.049	2.084	2.039	2.018	2.049	170-180	0.1856	431.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 234.67 lm

%lum = 54.3%

%lamp = 54.3%

Conical surface Flux(120deg): 331.64 lm

%lum = 76.8%

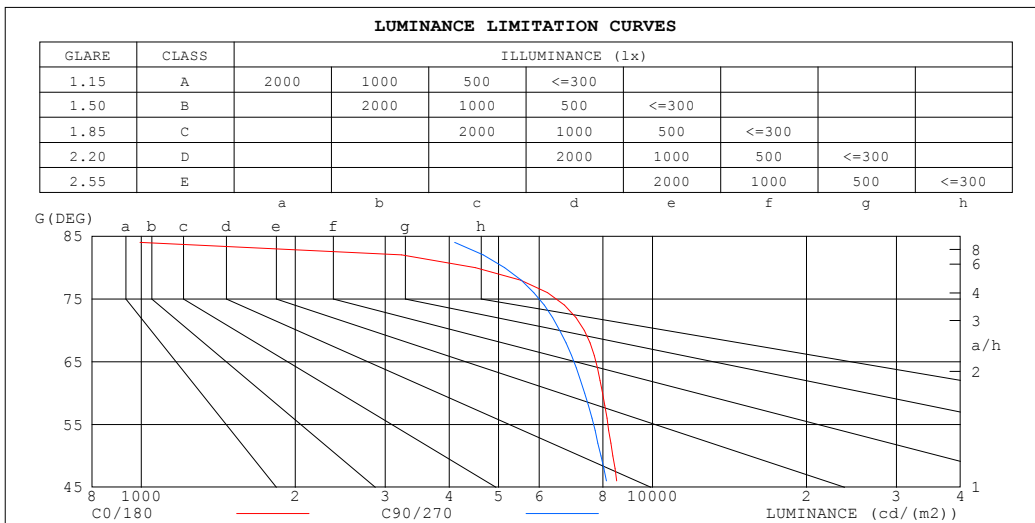
%lamp = 76.8%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-03-27

□ Range: 0 - 180DEG  
 □ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

<b>NAME:</b> HFP1615TB.10.3K	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b> HELIFLEX	<b>SUR.:</b> 0.016*1	<b>Shielding Angle:</b>



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	1193	4917
80	4507	5137
75	7157	6537
70	7350	6584
65	8097	7357
60	7986	7369
55	8415	7915
50	8364	7925
45	8734	8358

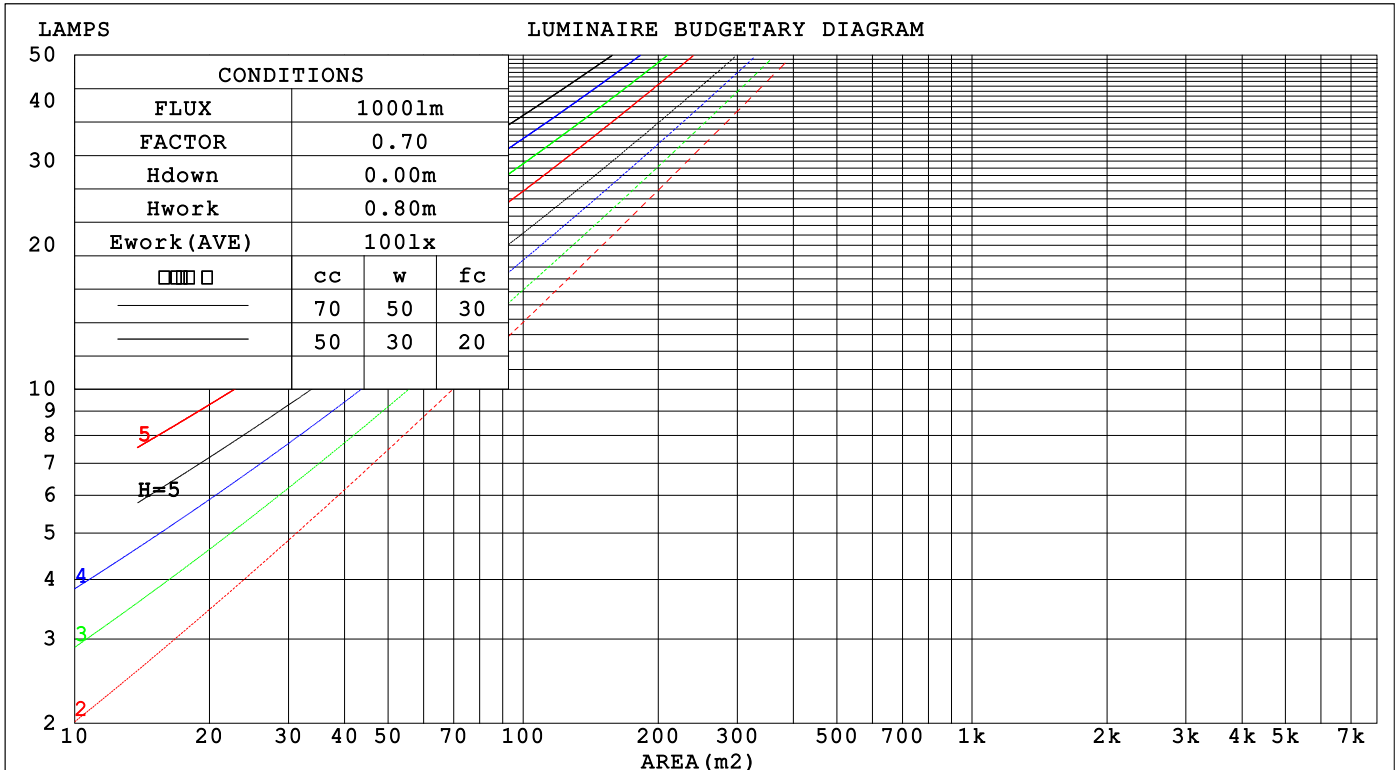
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.39	.33	.28	.38	.32	.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:2023-03-27

□ Range: 0 - 180DEG  
 □ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	Shielding Angle:

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.314	.178	.056	.306	.174	.055	.292	.167	.053	.278	.161	.052	.266	.154	.050	
2.0	.293	.161	.049	.286	.158	.049	.274	.152	.047	.262	.147	.046	.251	.142	.045	
3.0	.270	.144	.043	.265	.142	.043	.253	.137	.042	.243	.133	.041	.233	.129	.040	
4.0	.249	.129	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.230	.117	.034	.225	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.198	.098	.028	.195	.097	.028	.187	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.185	.091	.025	.182	.090	.025	.175	.088	.025	.169	.086	.025	.164	.084	.024	
9.0	.174	.084	.023	.171	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.194	.170	.148	.166	.146	.127	.114	.100	.088	.065	.058	.051	.021	.019	.017	
2.0	.186	.146	.111	.159	.125	.096	.109	.087	.067	.063	.050	.039	.020	.016	.013	
3.0	.178	.128	.088	.153	.110	.076	.105	.077	.053	.061	.045	.032	.019	.015	.010	
4.0	.171	.115	.072	.146	.099	.063	.101	.069	.044	.058	.040	.026	.019	.013	.009	
5.0	.163	.104	.061	.140	.090	.053	.097	.063	.037	.056	.037	.022	.018	.012	.007	
6.0	.156	.096	.053	.134	.083	.046	.092	.058	.033	.054	.034	.019	.017	.011	.006	
7.0	.149	.089	.047	.128	.077	.041	.089	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.143	.083	.043	.123	.072	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005	
9.0	.137	.078	.039	.118	.068	.034	.082	.048	.024	.047	.028	.014	.015	.009	.005	
10.0	.131	.074	.036	.113	.064	.032	.078	.045	.023	.046	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

NAME: HFP1615TB.10.3K		TYPE:					WEIGHT:				
SPEC.:		DIM.:					SERIAL No.:				
MFR.:HELIFLEX		SUR.: 0.016*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		22.7	24.2	23.0	24.5	24.7	22.5	24.0	22.7	24.2	24.4
	3H	24.3	25.7	24.6	25.9	26.2	23.9	25.3	24.2	25.5	25.8
	4H	24.9	26.2	25.2	26.5	26.8	24.4	25.8	24.8	26.0	26.3
	6H	25.2	26.5	25.6	26.8	27.1	24.8	26.1	25.2	26.4	26.7
	8H	25.2	26.4	25.6	26.8	27.1	24.9	26.1	25.3	26.4	26.8
	12H	25.2	26.3	25.6	26.7	27.0	24.9	26.1	25.3	26.4	26.8
	4H 2H	23.3	24.6	23.6	24.9	25.2	23.0	24.4	23.4	24.6	24.9
	3H	25.0	26.1	25.4	26.5	26.8	24.7	25.8	25.0	26.1	26.5
	4H	25.7	26.8	26.1	27.1	27.5	25.3	26.4	25.7	26.7	27.1
	6H	26.2	27.1	26.6	27.5	27.9	25.8	26.7	26.2	27.1	27.5
	8H	26.3	27.1	26.7	27.5	28.0	25.9	26.8	26.4	27.2	27.6
	12H	26.2	27.0	26.7	27.5	27.9	26.0	26.8	26.5	27.2	27.7
	8H 4H	25.9	26.8	26.4	27.2	27.6	25.6	26.5	26.0	26.8	27.3
	6H	26.6	27.3	27.0	27.7	28.2	26.2	26.9	26.7	27.3	27.8
	8H	26.7	27.4	27.2	27.8	28.3	26.4	27.0	26.9	27.5	28.0
	12H	26.8	27.3	27.3	27.8	28.3	26.5	27.1	27.0	27.5	28.0
	12H 4H	25.9	26.7	26.4	27.1	27.6	25.6	26.4	26.0	26.8	27.3
	6H	26.6	27.2	27.1	27.7	28.2	26.2	26.9	26.7	27.3	27.8
	8H	26.8	27.3	27.3	27.8	28.3	26.5	27.0	27.0	27.5	28.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.1 / - 0.3				
2.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117, 431.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.9)  
 Area: 0.016 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	Shielding Angle:

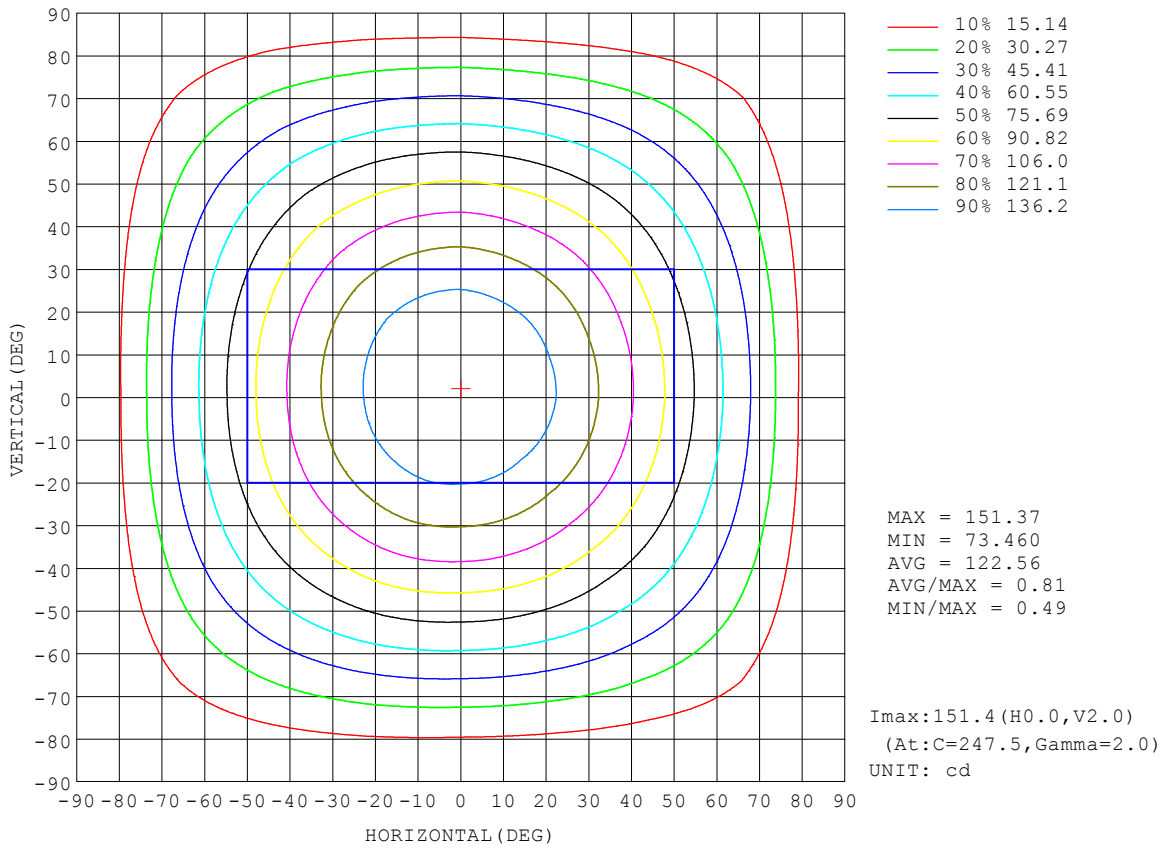
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	39	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	69	61
2.00	94	86	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	95	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	98	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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:2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-03-27

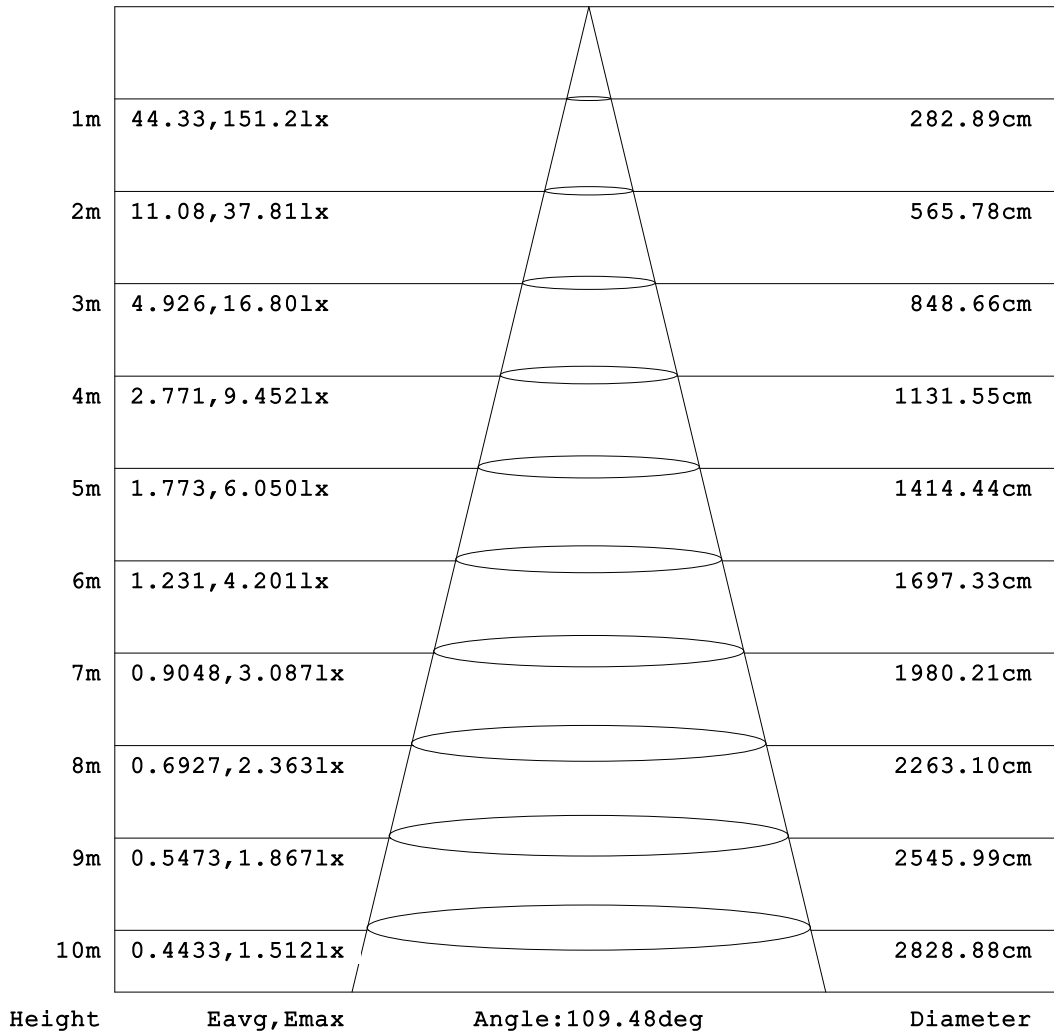
Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:



**AAI Figure**

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	Shielding Angle:

Flux out:306.1 lm



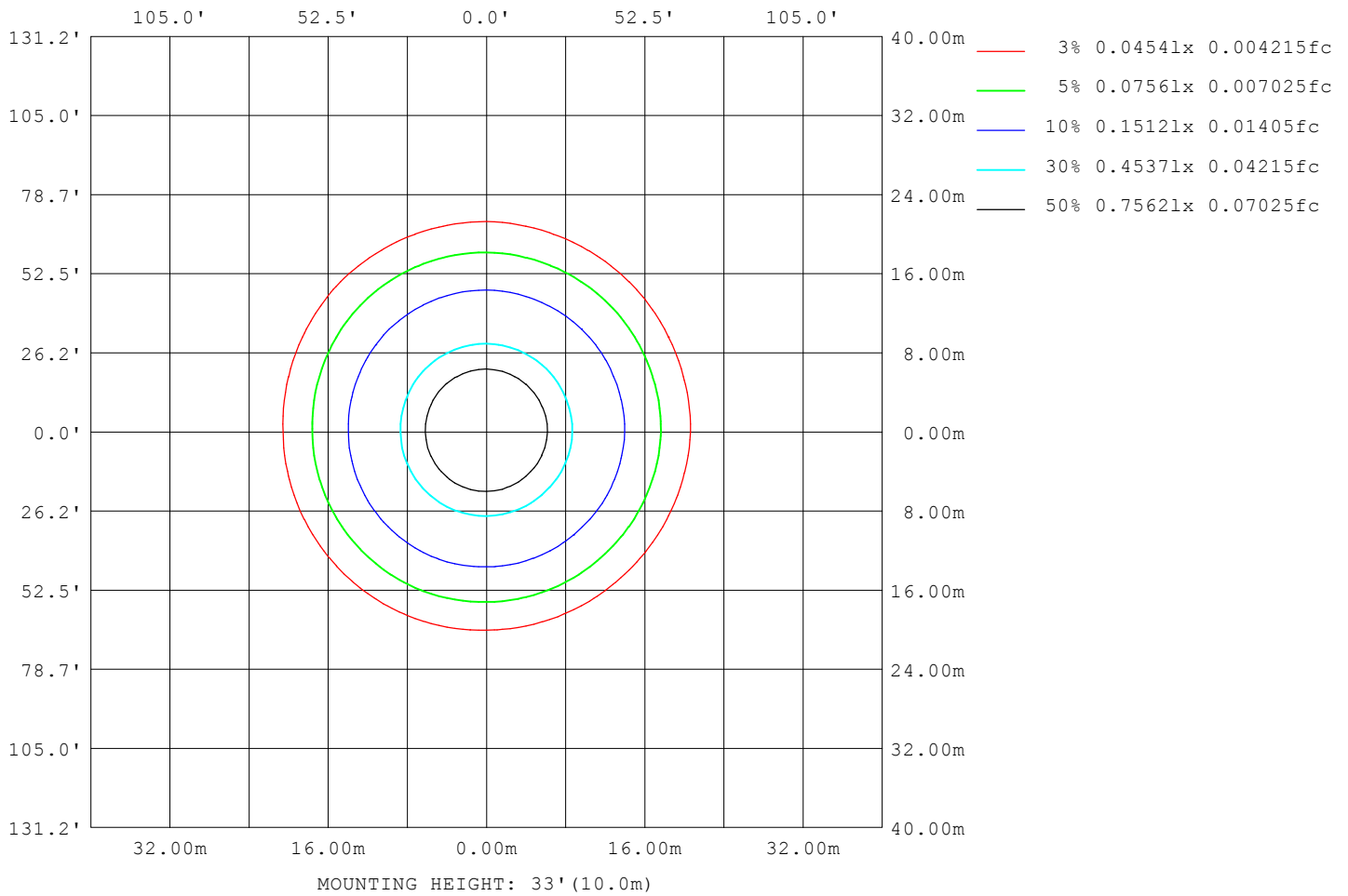
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

<b>NAME:</b> HFP1615TB.10.3K	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b> HELIFLEX	<b>SUR.:</b> 0.016*1	<b>Shielding Angle:</b>



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

LED Avg.L Report

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HELIFLEX	SUR.: 0.016*1	Shielding Angle:

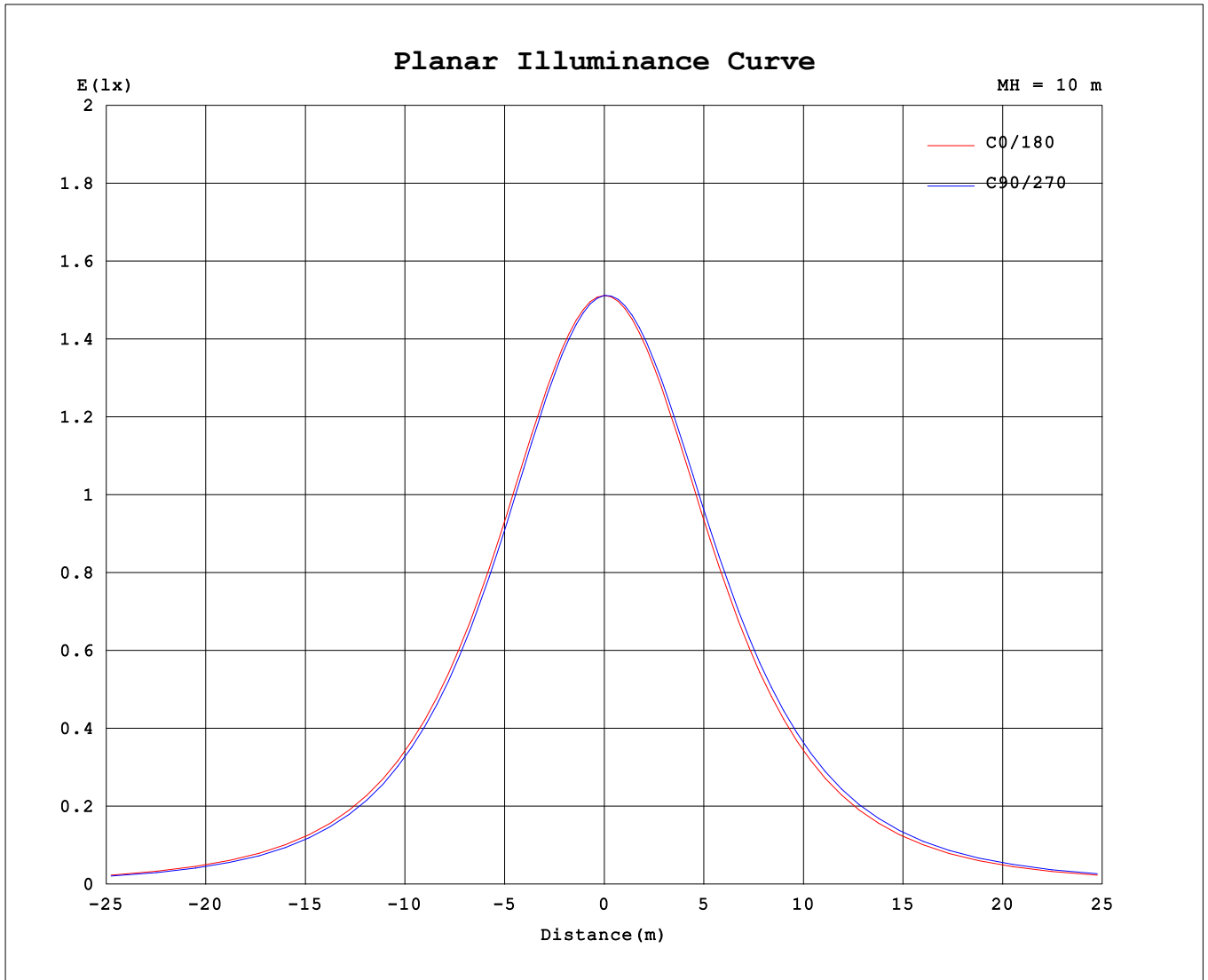
AvgL	cd/m2
L_0~180 (65) av	7710
L_0~180 (75) av	6447
L_0~180 (85) av	1812
L_90~270 (65) av	7821
L_90~270 (75) av	7268
L_90~270 (85) av	6801
L_45 (65) av	7778
L_45 (75) av	7167
L_45 (85) av	6364

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-03-27

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HFP1615TB.10.3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: HELIFLEX	SUR.: 0.016*1	Shielding Angle:

Table--1

UNIT: cd

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	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151			
5	151	150	150	150	150	150	150	151	151	151	151	151	151	151	151	151			
10	148	147	147	147	147	147	147	148	148	149	150	150	150	149	149	148			
15	145	144	143	143	143	144	144	145	145	146	147	147	147	147	146	146			
20	139	138	137	136	137	138	138	139	139	141	142	142	142	141	141	140			
25	134	133	131	131	131	132	133	134	134	136	138	138	138	137	136	135			
30	125	123	122	121	122	123	124	125	125	127	129	130	130	128	127	126			
35	118	116	114	114	114	116	117	118	119	120	123	123	123	122	121	119			
40	107	105	103	103	103	104	105	106	107	109	112	112	112	111	110	108			
45	98.7	96.6	94.4	94.3	94.5	96.0	96.9	98.2	99.1	101	104	105	105	103	102	99.8			
50	85.9	83.6	81.4	81.3	81.5	83.1	84.0	85.3	86.2	88.7	91.4	92.1	92.2	90.5	89.1	87.1			
55	77.2	74.8	72.7	72.3	72.6	74.1	75.1	76.4	77.3	79.8	82.7	83.4	83.4	81.6	80.3	78.3			
60	63.8	61.1	59.0	58.6	58.9	60.4	61.6	62.7	63.5	66.3	69.1	69.9	69.8	68.2	66.8	64.9			
65	54.7	51.9	49.8	49.4	49.7	51.2	52.3	53.4	54.3	57.1	59.9	60.7	60.7	59.1	57.6	55.8			
70	40.2	38.2	36.2	35.8	36.0	37.4	38.3	39.5	39.5	43.1	45.9	46.8	46.8	45.2	43.8	42.0			
75	29.6	29.1	27.2	26.8	27.1	28.3	29.1	29.5	29.1	33.8	36.7	37.6	37.6	36.0	34.7	32.8			
80	12.5	16.2	14.4	14.1	14.3	15.4	16.1	16.6	14.2	20.3	23.1	24.1	24.2	22.7	21.3	19.6			
85	1.66	8.45	6.91	6.68	6.85	7.74	8.30	8.72	6.27	11.9	14.6	15.6	15.7	14.3	13.0	11.4			
90	0.16	1.31	1.42	1.54	1.55	1.48	1.31	0.83	0.17	1.80	3.88	4.76	4.90	3.94	2.96	1.81			
95	0.21	1.13	1.23	1.28	1.25	1.16	0.99	0.61	0.20	0.57	1.10	1.55	1.66	1.47	1.23	1.09			
100	0.34	1.11	1.19	1.21	1.18	1.11	0.93	0.55	0.32	0.50	0.80	1.03	1.10	1.11	1.03	1.00			
105	0.45	1.05	1.21	1.23	1.19	1.12	0.91	0.63	0.40	0.55	0.70	0.97	1.02	1.05	1.01	0.95			
110	0.63	0.99	1.25	1.27	1.23	1.17	1.02	0.74	0.55	0.58	0.80	0.97	1.01	1.04	1.04	0.88			
115	0.74	1.00	1.28	1.31	1.27	1.21	1.05	0.79	0.65	0.65	0.83	0.99	1.03	1.07	1.06	0.85			
120	0.89	1.06	1.33	1.37	1.35	1.28	1.04	0.93	0.79	0.78	0.84	1.03	1.07	1.11	1.09	0.90			
125	1.00	1.13	1.37	1.42	1.39	1.33	1.11	1.02	0.88	0.87	0.90	1.08	1.11	1.15	1.13	0.95			
130	1.14	1.27	1.45	1.49	1.48	1.41	1.22	1.15	1.03	1.00	1.00	1.12	1.18	1.22	1.20	1.08			
135	1.24	1.37	1.51	1.56	1.54	1.37	1.29	1.24	1.12	1.09	1.09	1.12	1.23	1.27	1.27	1.18			
140	1.37	1.49	1.60	1.65	1.64	1.43	1.41	1.36	1.25	1.22	1.22	1.24	1.32	1.38	1.38	1.32			
145	1.45	1.56	1.67	1.70	1.69	1.50	1.49	1.43	1.33	1.30	1.29	1.31	1.40	1.45	1.45	1.41			
150	1.56	1.65	1.74	1.77	1.75	1.64	1.58	1.53	1.46	1.41	1.41	1.43	1.49	1.54	1.56	1.53			
155	1.64	1.70	1.77	1.80	1.80	1.69	1.61	1.63	1.54	1.52	1.48	1.50	1.56	1.60	1.63	1.61			
160	1.76	1.80	1.82	1.82	1.83	1.73	1.74	1.73	1.67	1.64	1.64	1.60	1.66	1.69	1.72	1.72			
165	1.83	1.86	1.87	1.85	1.87	1.77	1.80	1.80	1.76	1.72	1.72	1.68	1.74	1.75	1.79	1.79			
170	1.94	1.96	1.94	1.92	1.90	1.87	1.90	1.92	1.89	1.85	1.83	1.80	1.81	1.84	1.88	1.89			
175	2.01	2.01	1.99	1.97	1.96	1.95	1.97	2.00	1.98	1.94	1.90	1.89	1.88	1.90	1.94	1.97			
180	2.08	2.06	2.04	2.02	2.02	2.01	2.05	2.08	2.08	2.06	2.04	2.02	2.02	2.01	2.05	2.08			

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