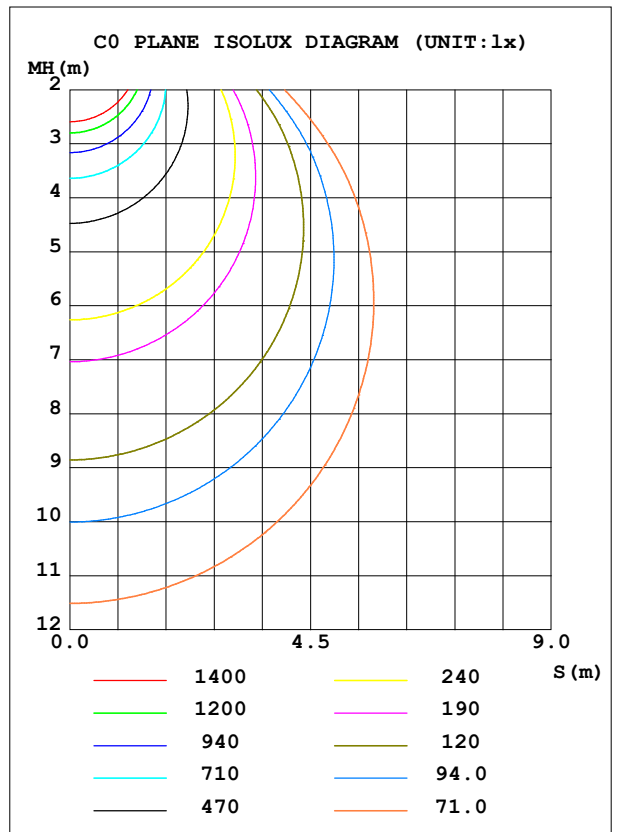
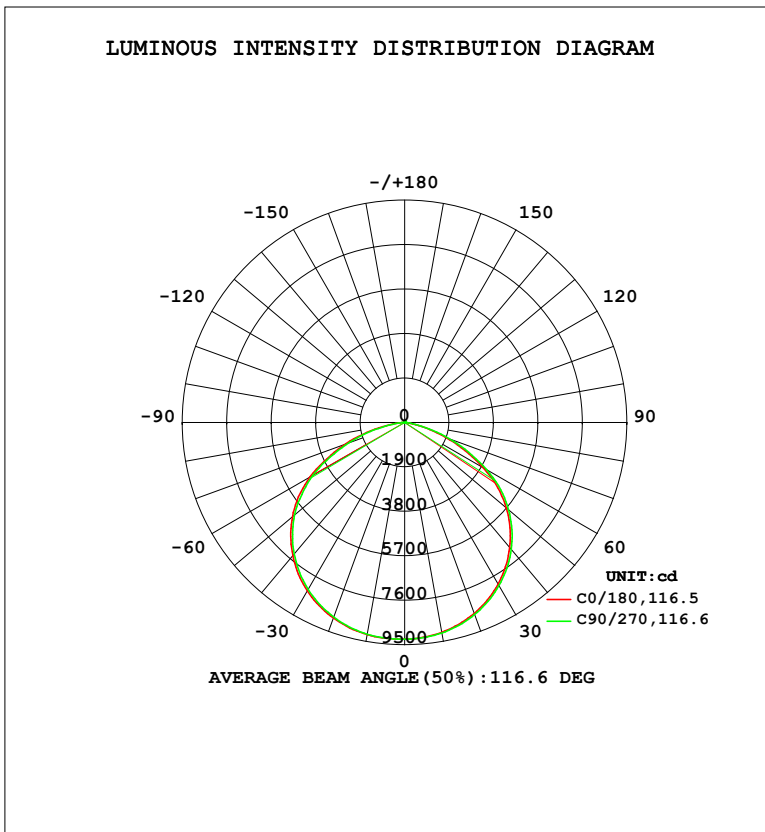


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 178.46 lm/W
MODEL	SMD2835	I _{max} (cd)	9264	S/MH (C0/180)	1.33	
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.32	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	26933	η UP, DN (C0-180)	0.5, 47.8	
NOMINAL FLUX (lm)	26933.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 51.4	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	230	η down (%)	99.2	CIBSE SHR MAX	1.50	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1 °C
 Operators:
 Test Date: 2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.140m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

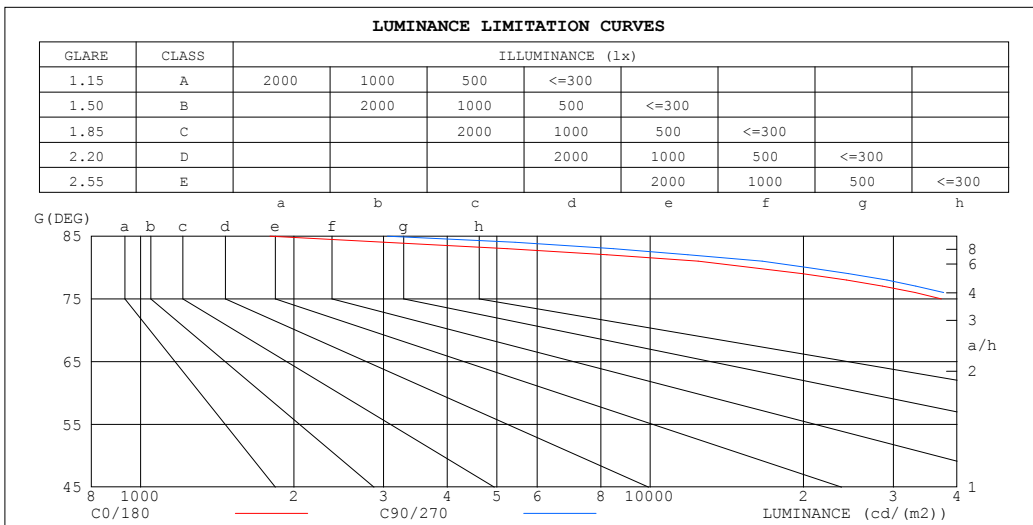
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9107	9114	9133	9147	9207	9199	9190	9172	0- 10	879.5	879.5	3.27,3.27
20	8690	8701	8737	8770	8900	8888	8858	8824	10- 20	2546	3425	12.7,12.7
30	7983	8005	8061	8107	8314	8291	8245	8195	20- 30	3924	7349	27.3,27.3
40	6989	7017	7089	7156	7437	7410	7343	7282	30- 40	4830	12179	45.2,45.2
50	5669	5705	5797	5884	6261	6223	6140	6052	40- 50	5112	17290	64.2,64.2
60	3881	3941	4045	4188	4673	4648	4533	4408	50- 60	4624	21914	81.4,81.4
70	1853	1917	2021	2144	2672	2624	2510	2393	60- 70	3232	25147	93.4,93.4
80	270.2	285.7	355.3	420.0	799.4	756.6	670.0	582.7	70- 80	1407	26554	98.6,98.6
90	8.554	8.396	7.975	7.576	7.496	6.352	6.051	6.189	80- 90	155.5	26709	99.2,99.2
100	17.54	17.37	16.72	16.10	11.10	11.22	11.63	12.10	90-100	11.22	26720	99.2,99.2
110	28.62	28.41	27.76	27.03	19.44	19.67	20.23	20.90	100-110	20.00	26740	99.3,99.3
120	39.32	39.15	38.53	37.87	29.79	30.13	30.76	31.44	110-120	29.06	26769	99.4,99.4
130	48.88	48.76	48.29	47.70	39.71	40.00	40.63	41.23	120-130	35.44	26805	99.5,99.5
140	57.20	57.25	56.87	56.39	47.92	48.13	48.66	49.17	130-140	37.60	26842	99.7,99.7
150	64.51	64.59	64.32	64.00	55.05	55.18	55.59	55.95	140-150	35.32	26878	99.8,99.8
160	70.44	70.49	70.28	70.10	61.55	61.61	61.84	62.11	150-160	29.10	26907	99.9,99.9
170	74.87	74.85	74.78	74.73	69.60	69.44	69.55	69.78	160-170	19.47	26926	100,100
180	76.01	75.78	75.87	76.07	76.44	76.08	76.07	76.14	170-180	7.068	26933	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1°C
 Operators:
 Test Date:2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity:50.0%
 Test Distance:10.140m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1794	3052
80	15813	20377
75	37267	41931
70	55052	58868
65	68673	71241
60	78881	80569
55	86300	87115
50	89618	89825
45	91554	91364

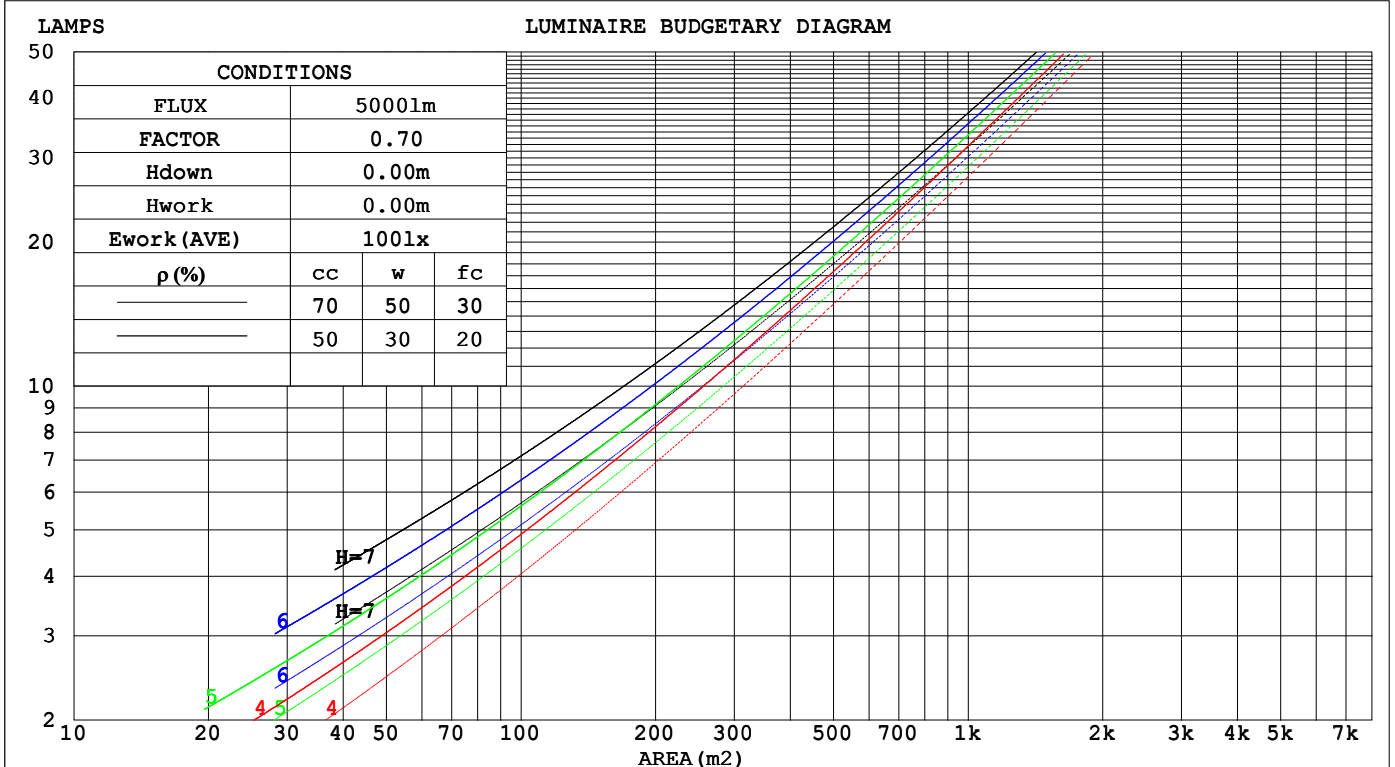
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1 °C
 Operators:
 Test Date: 2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.140m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρw																0
ρfc																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	1.05	1.01	.97	1.02	.99	.96	.98	.95	.92	.94	.92	.89	.90	.88	.87	.84
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.78	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.69	.64	.73	.68	.63	.70	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51
5.0	.64	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1°C
 Operators:
 Test Date: 2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.140m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	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	.288	.164	.052	.281	.160	.051	.267	.153	.049	.255	.147	.047	.243	.141	.045	
2.0	.279	.153	.047	.272	.150	.046	.260	.145	.045	.249	.140	.044	.239	.135	.043	
3.0	.261	.139	.042	.256	.137	.041	.245	.133	.040	.235	.129	.040	.226	.125	.039	
4.0	.243	.126	.037	.238	.125	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.226	.115	.033	.222	.114	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.211	.106	.030	.207	.104	.030	.199	.102	.030	.192	.100	.029	.185	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.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	

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	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.185	.163	.142	.158	.140	.123	.108	.096	.085	.062	.056	.049	.020	.018	.016	
2.0	.177	.138	.106	.152	.119	.092	.104	.082	.064	.060	.048	.037	.019	.016	.012	
3.0	.169	.121	.082	.145	.104	.071	.100	.072	.050	.058	.042	.029	.018	.014	.010	
4.0	.162	.107	.066	.139	.093	.057	.096	.065	.040	.055	.038	.024	.018	.012	.008	
5.0	.155	.097	.054	.133	.084	.047	.092	.059	.033	.053	.034	.020	.017	.011	.007	
6.0	.148	.089	.046	.127	.077	.040	.088	.054	.028	.051	.032	.017	.016	.010	.006	
7.0	.141	.082	.040	.121	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
8.0	.135	.076	.035	.116	.066	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004	
9.0	.129	.071	.032	.111	.062	.028	.077	.043	.020	.045	.026	.012	.015	.008	.004	
10.0	.123	.067	.029	.106	.058	.025	.074	.041	.018	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1℃
 Operators:
 Test Date:2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity:50.0%
 Test Distance:10.140m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz										
Lamp Flux:26933.4x1 lm										
NAME: ST-150W					TYPE: Glass			WEIGHT:		
SPEC.: 5700K-RA80-416L					DIM.:			SERIAL No.:		
MFR.:					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	27.5	29.1	27.9	29.4	29.8	27.7	29.3	28.1	29.6	30.0
3H	28.7	30.2	29.1	30.5	30.9	29.0	30.4	29.4	30.8	31.2
4H	29.0	30.3	29.4	30.7	31.1	29.3	30.7	29.7	31.0	31.4
6H	29.0	30.3	29.5	30.7	31.1	29.4	30.6	29.8	31.0	31.4
8H	29.0	30.2	29.5	30.6	31.0	29.4	30.6	29.8	31.0	31.4
12H	29.0	30.1	29.4	30.5	31.0	29.3	30.5	29.8	30.9	31.3
4H 2H	28.0	29.3	28.4	29.7	30.1	28.2	29.6	28.6	29.9	30.3
3H	29.4	30.5	29.8	30.9	31.3	29.7	30.8	30.1	31.2	31.7
4H	29.7	30.7	30.1	31.1	31.6	30.1	31.1	30.5	31.5	32.0
6H	29.8	30.7	30.2	31.1	31.6	30.2	31.1	30.7	31.6	32.0
8H	29.7	30.6	30.2	31.0	31.5	30.2	31.0	30.7	31.5	32.0
12H	29.7	30.5	30.2	31.0	31.4	30.2	30.9	30.7	31.4	31.9
8H 4H	29.8	30.6	30.3	31.1	31.5	30.2	31.0	30.7	31.5	32.0
6H	29.9	30.5	30.4	31.1	31.5	30.4	31.0	30.9	31.6	32.0
8H	29.8	30.4	30.4	31.0	31.5	30.4	31.0	30.9	31.5	32.0
12H	29.8	30.4	30.3	30.9	31.4	30.3	30.9	30.9	31.4	32.0
12H 4H	29.8	30.5	30.3	31.0	31.5	30.2	30.9	30.7	31.4	31.9
6H	29.8	30.5	30.4	30.9	31.5	30.4	31.0	30.9	31.4	32.0
8H	29.8	30.4	30.4	30.9	31.4	30.4	30.9	30.9	31.4	32.0
CIE190: 2010										

CIE190: 2010
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1°C
Operators:
Test Date:2023-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.140m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

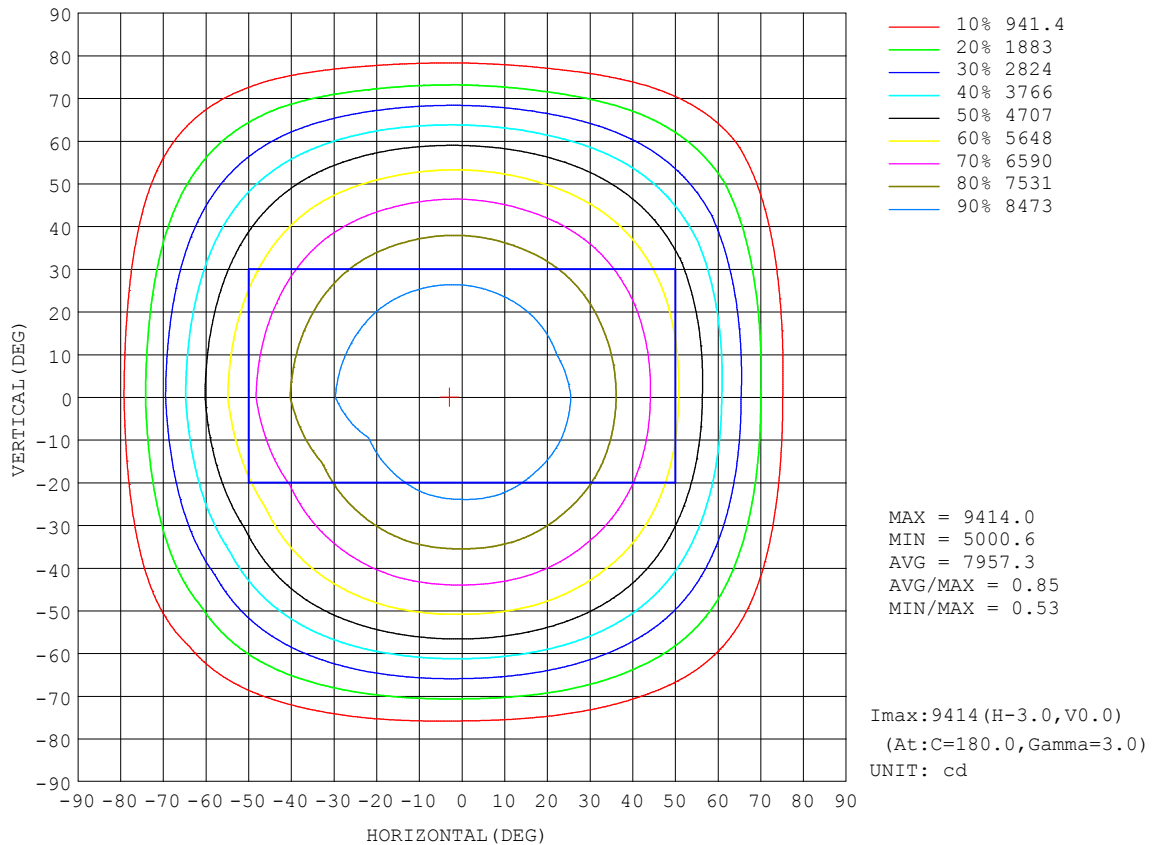
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	42
1.00	77	66	59	75	65	58	73	66	58	51
1.25	84	74	67	82	73	66	80	71	65	58
1.50	89	79	73	87	78	72	84	77	71	63
2.00	96	88	81	94	86	81	90	84	79	71
2.50	100	92	86	98	91	86	94	88	84	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	102	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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: 25.1°C
 Operators:
 Test Date: 2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.140m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



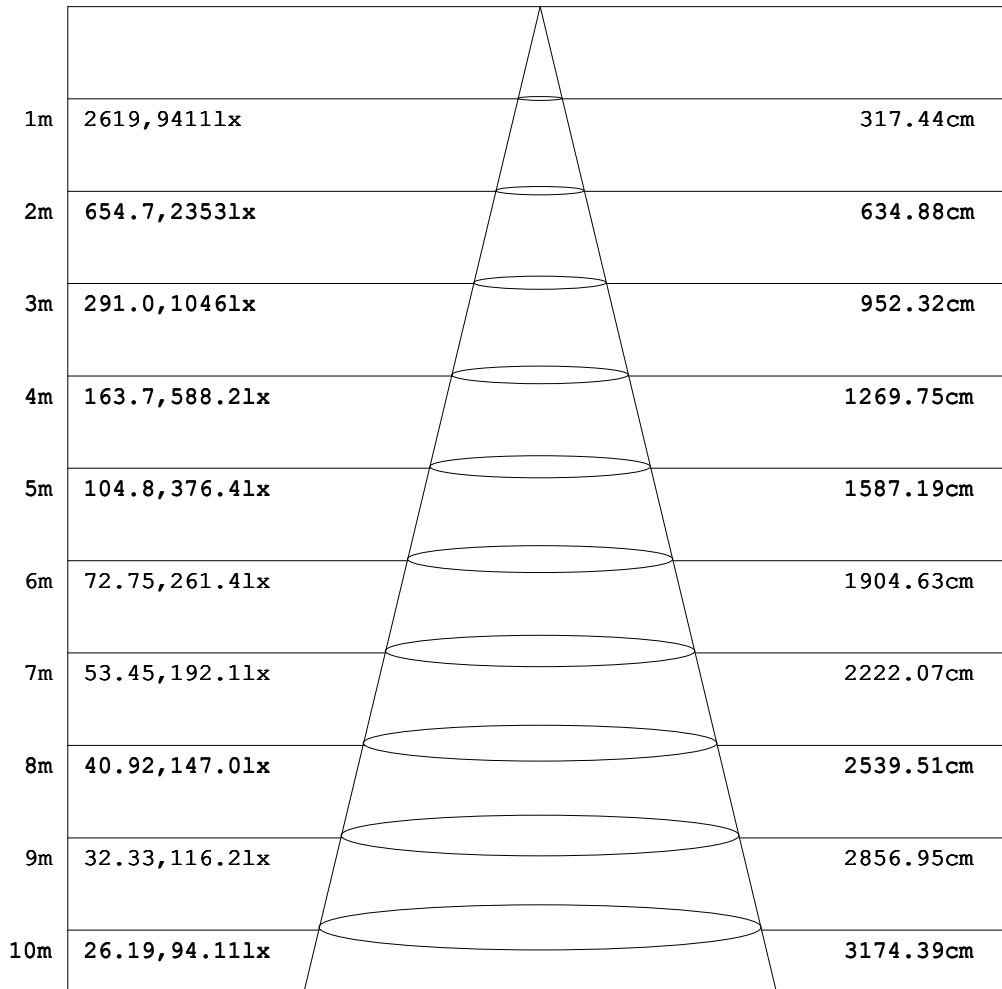
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1℃
 Operators:
 Test Date:2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity:50.0%
 Test Distance:10.140m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:21072 lm



Angle:115.57deg

Height

Eavg, Emax

Diameter

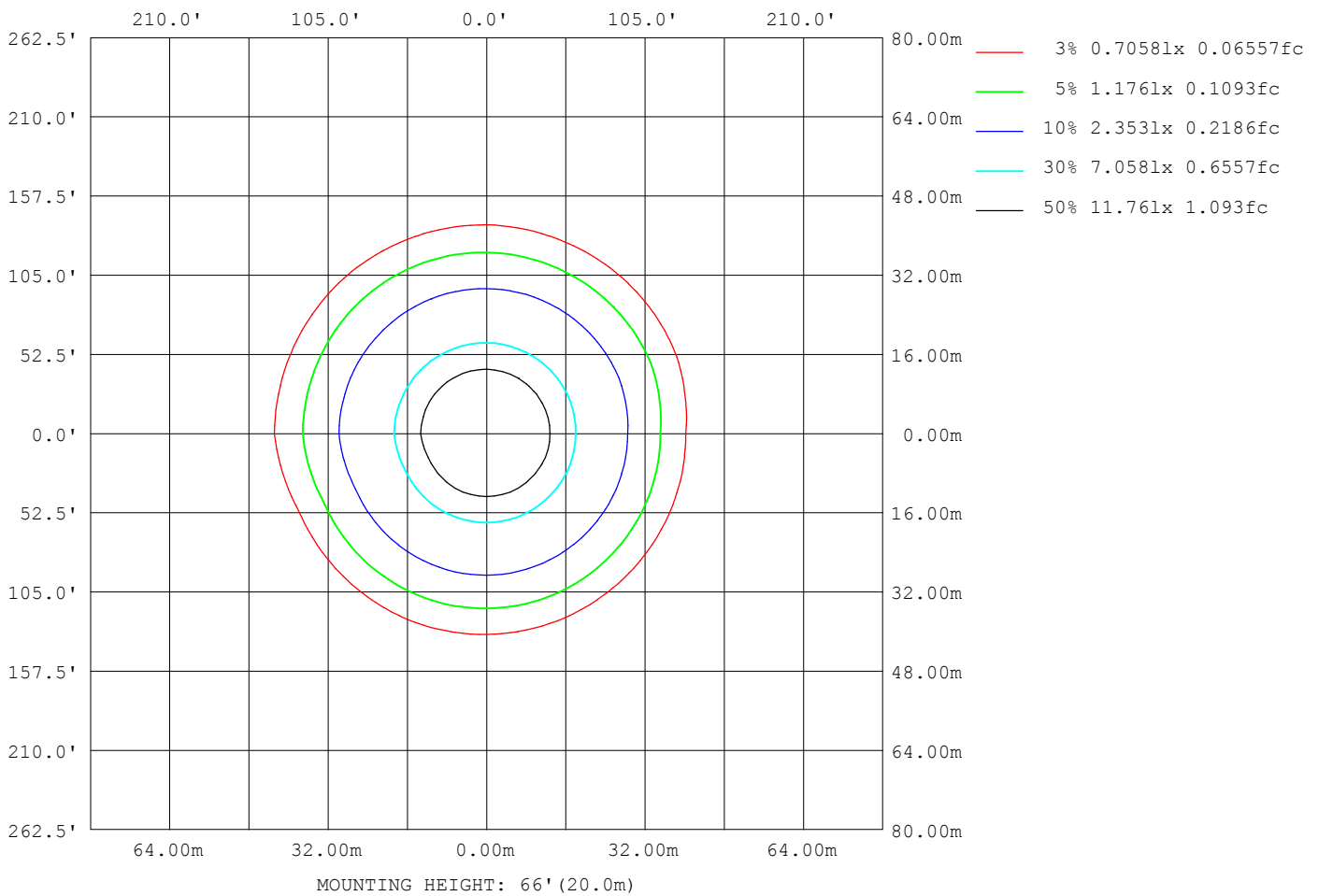
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1°C
Operators:
Test Date:2023-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.140m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1 °C
 Operators:
 Test Date: 2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.140m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

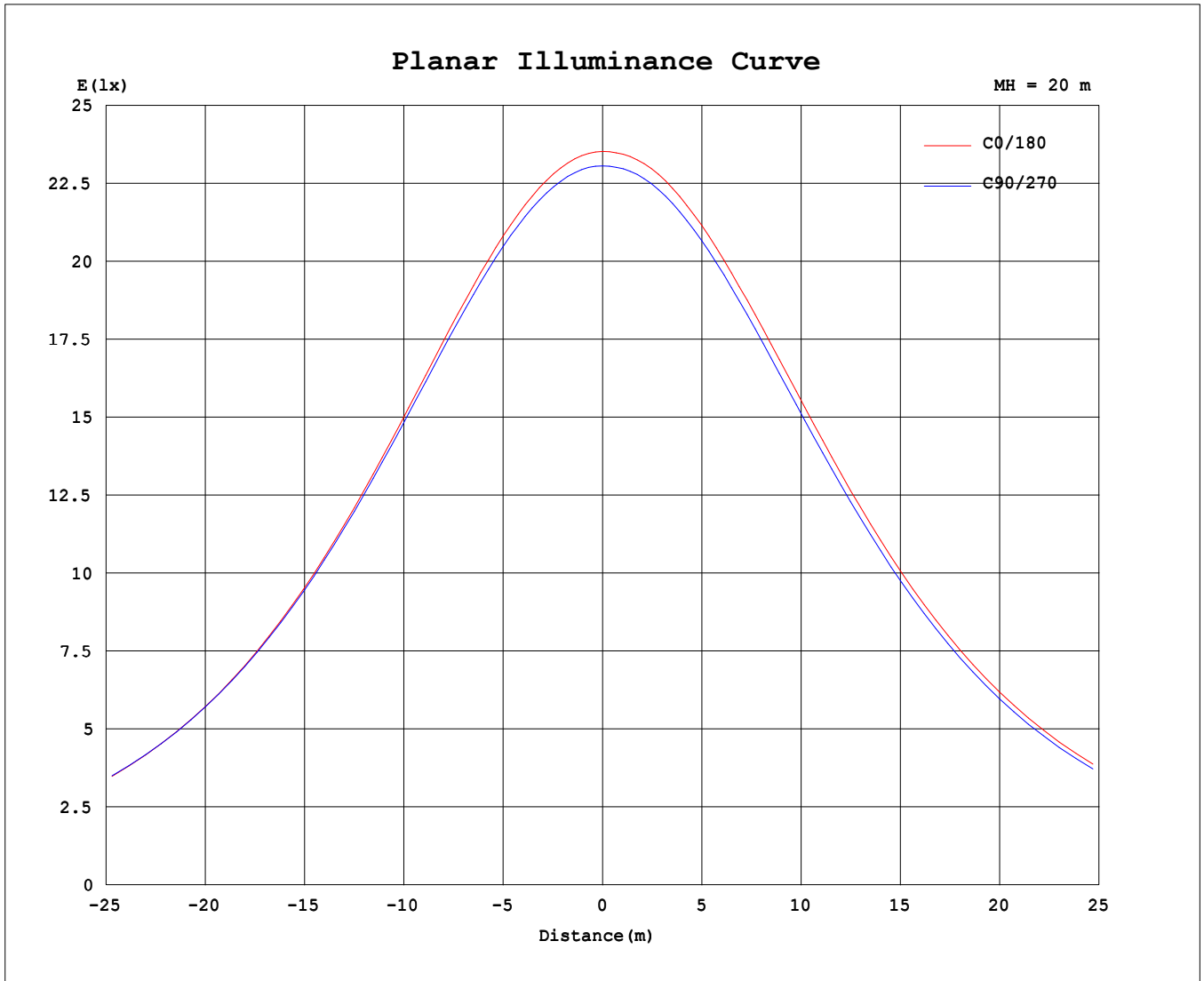
AvgL	cd/m2
L_0~180 (65) av	77089
L_0~180 (75) av	50609
L_0~180 (85) av	11501
L_90~270 (65) av	77424
L_90~270 (75) av	50539
L_90~270 (85) av	8640
L_45 (65) av	77386
L_45 (75) av	50646
L_45 (85) av	8955

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1℃
 Operators:
 Test Date:2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity:50.0%
 Test Distance:10.140m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1 °C
 Operators:
 Test Date: 2023-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.140m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.37V I:0.6686A P:150.92W PF:0.9798 Freq:50.01Hz Lamp Flux:26933.4x1 lm		
NAME: ST-150W	TYPE: Glass	WEIGHT:
SPEC.: 5700K-RA80-416L	DIM.:	SERIAL No.:
MFR.:	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	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260	9260			
5	9218	9220	9221	9228	9230	9233	9235	9241	9259	9256	9259	9258	9258	9248	9248	9245			
10	9107	9115	9114	9127	9133	9141	9147	9157	9207	9198	9199	9192	9190	9176	9172	9167			
15	8933	8940	8943	8963	8974	8986	8995	9008	9086	9072	9077	9060	9057	9034	9033	9021			
20	8690	8700	8701	8728	8737	8760	8770	8786	8900	8881	8888	8866	8858	8829	8824	8807			
25	8371	8390	8387	8424	8435	8465	8474	8496	8642	8623	8626	8598	8586	8552	8548	8526			
30	7983	8003	8005	8045	8061	8098	8107	8138	8314	8293	8291	8256	8245	8203	8195	8172			
35	7520	7545	7550	7595	7613	7654	7668	7701	7914	7890	7887	7847	7833	7783	7776	7745			
40	6989	7014	7017	7071	7089	7140	7156	7193	7437	7413	7410	7363	7343	7291	7282	7247			
45	6370	6402	6405	6465	6486	6544	6564	6605	6889	6857	6858	6803	6785	6719	6708	6665			
50	5669	5701	5705	5774	5797	5864	5884	5931	6261	6221	6223	6159	6140	6066	6052	6005			
55	4871	4872	4917	4953	5017	5059	5118	5132	5542	5495	5482	5428	5368	5322	5273	5254			
60	3881	3897	3941	3999	4045	4108	4188	4229	4673	4646	4648	4599	4533	4454	4408	4372			
65	2856	2883	2907	2960	3023	3099	3144	3182	3660	3645	3639	3571	3521	3417	3392	3321			
70	1853	1902	1917	1997	2021	2111	2144	2201	2672	2637	2624	2541	2510	2412	2393	2331			
75	949	987	984	1051	1090	1170	1186	1251	1671	1624	1646	1572	1526	1425	1427	1369			
80	270	284	286	329	355	405	420	448	799	756	757	686	670	598	583	529			
85	15.4	17.8	18.3	23.8	26.7	37.9	41.0	50.7	185	166	161	134	124	96.8	91.5	74.9			
90	8.55	8.40	8.40	8.10	7.97	7.64	7.58	7.37	7.50	6.50	6.35	6.11	6.05	6.14	6.19	6.30			
95	12.7	12.5	12.5	12.1	11.9	11.5	11.4	11.1	7.83	8.00	7.95	8.23	8.27	8.64	8.69	8.94			
100	17.5	17.3	17.4	16.9	16.7	16.2	16.1	15.7	11.1	11.2	11.2	11.6	11.6	12.0	12.1	12.4			
105	22.9	22.7	22.7	22.2	22.1	21.5	21.4	21.0	14.9	15.1	15.1	15.5	15.6	16.1	16.2	16.5			
110	28.6	28.4	28.4	27.9	27.8	27.1	27.0	26.6	19.4	19.7	19.7	20.1	20.2	20.8	20.9	21.3			
115	34.1	33.9	33.9	33.5	33.3	32.7	32.6	32.2	24.5	24.8	24.9	25.3	25.5	26.0	26.2	26.6			
120	39.3	39.2	39.2	38.7	38.5	38.0	37.9	37.5	29.8	30.0	30.1	30.5	30.8	31.3	31.4	31.8			
125	44.3	44.2	44.1	43.8	43.6	43.1	42.9	42.6	34.9	35.0	35.2	35.6	35.8	36.3	36.5	36.8			
130	48.9	48.9	48.8	48.5	48.3	47.9	47.7	47.4	39.7	39.8	40.0	40.4	40.6	41.0	41.2	41.5			
135	53.2	53.2	53.2	53.0	52.8	52.4	52.2	52.0	44.0	44.0	44.3	44.6	44.8	45.2	45.4	45.6			
140	57.2	57.3	57.2	57.1	56.9	56.5	56.4	56.2	47.9	47.9	48.1	48.4	48.7	48.9	49.2	49.3			
145	60.9	61.1	61.1	61.0	60.7	60.4	60.3	60.2	51.5	51.5	51.7	51.9	52.2	52.4	52.6	52.8			
150	64.5	64.8	64.6	64.5	64.3	64.1	64.0	63.9	55.0	55.0	55.2	55.3	55.6	55.7	56.0	56.1			
155	67.6	67.9	67.7	67.7	67.5	67.3	67.2	67.2	58.4	58.3	58.5	58.5	58.8	58.9	59.1	59.2			
160	70.4	70.7	70.5	70.5	70.3	70.2	70.1	70.1	61.6	61.4	61.6	61.6	61.8	61.9	62.1	62.2			
165	72.9	73.1	72.9	72.9	72.7	72.7	72.6	72.7	65.1	64.8	65.0	65.0	65.2	65.2	65.4	65.5			
170	74.9	75.2	74.9	75.0	74.8	74.8	74.7	74.8	69.6	69.2	69.4	69.4	69.6	69.6	69.8	69.8			
175	76.1	76.4	75.9	76.1	75.8	76.0	75.9	76.1	74.2	73.7	74.0	73.8	74.1	74.0	74.2	74.2			
180	76.0	76.2	75.8	76.0	75.9	76.1	76.1	76.2	76.4	75.8	76.1	75.7	76.1	75.8	76.1	76.0			

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