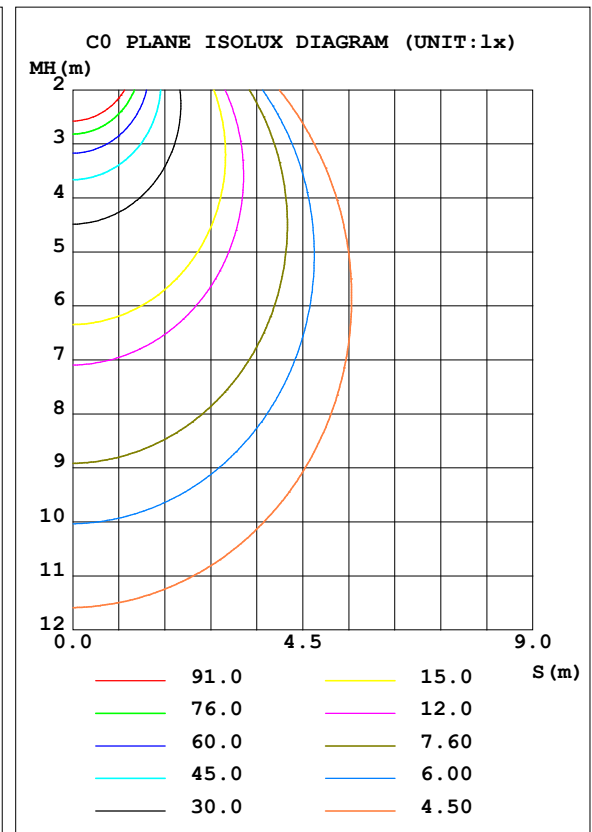
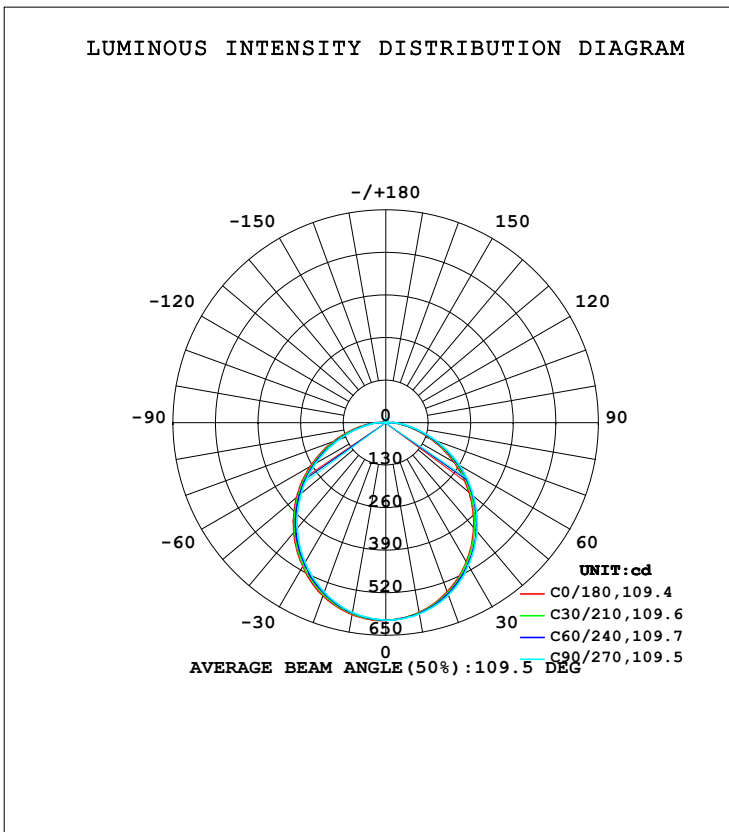


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.38 lm/W			
MODEL	S18437-4K	I <sub>max</sub> (cd)	604.5	S/MH (C0/180)	1.25
NOMINAL POWER (W)	15.7187	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1735.1	η UP, DN (C0-180)	1.1, 49.2
NOMINAL FLUX (lm)	1735.06	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 48.6
LAMPS INSIDE	1	η up (%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.243	η down (%)	97.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 11.780m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

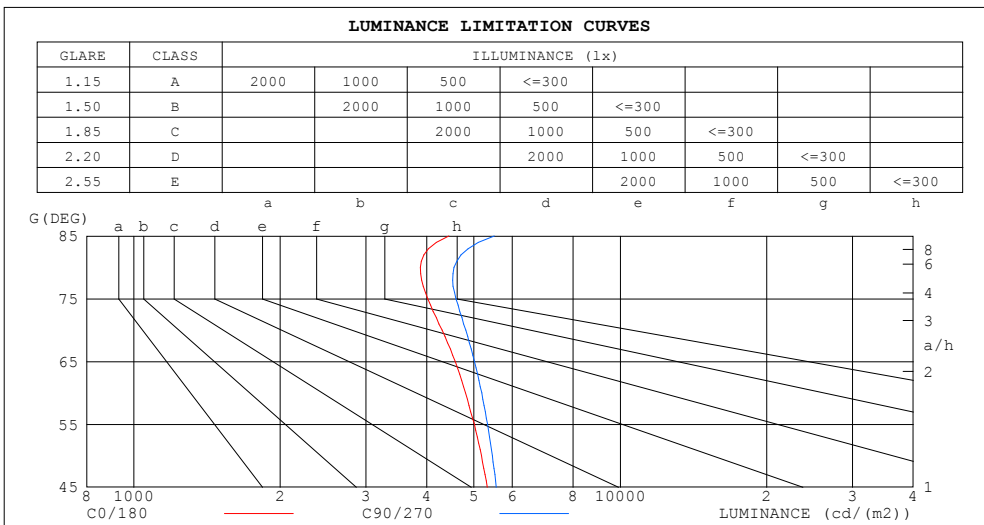
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	☉ zone	☉ total	lum, lamp
10	588.5	590.7	593.3	593.6	594.8	591.2	588.6	587.7	0- 10	56.99	56.99	3.28,3.28
20	550.0	554.9	560.2	561.2	562.5	556.4	550.8	549.7	10- 20	162.5	219.5	12.7,12.7
30	492.0	498.0	504.4	506.6	507.2	500.9	493.4	491.3	20- 30	244.1	463.6	26.7,26.7
40	418.1	426.5	433.6	436.8	437.6	430.7	421.0	418.5	30- 40	291.0	754.6	43.5,43.5
50	333.1	342.9	350.7	355.0	356.0	347.6	338.0	334.0	40- 50	298.9	1054	60.7,60.7
60	240.5	251.0	259.6	264.6	265.6	255.4	246.3	242.4	50- 60	267.9	1321	76.2,76.2
70	147.2	156.2	164.6	170.0	171.6	160.5	152.3	148.9	60- 70	203.8	1525	87.9,87.9
80	67.45	72.61	79.03	83.60	86.13	76.60	70.91	68.47	70- 80	121.6	1647	94.9,94.9
90	19.37	22.02	24.61	27.90	28.45	23.61	20.34	19.66	80- 90	50.70	1698	97.8,97.8
100	4.045	3.346	3.632	4.457	5.235	3.335	2.753	3.396	90-100	11.96	1710	98.5,98.5
110	3.624	2.939	2.983	3.113	2.940	2.914	3.043	3.217	100-110	3.172	1713	98.7,98.7
120	4.516	3.776	3.772	3.832	3.729	3.663	3.831	3.901	110-120	3.427	1716	98.9,98.9
130	5.462	4.703	4.561	5.006	4.726	4.534	4.715	4.994	120-130	3.874	1720	99.1,99.1
140	6.259	5.909	5.506	6.364	5.723	5.497	5.678	6.129	130-140	4.137	1724	99.4,99.4
150	6.900	6.831	7.190	7.712	6.780	6.749	6.891	7.365	140-150	4.052	1728	99.6,99.6
160	8.262	7.651	8.679	8.809	7.899	8.033	8.141	8.089	150-160	3.552	1732	99.8,99.8
170	8.826	8.579	9.091	9.489	8.956	8.843	8.314	8.766	160-170	2.404	1734	99.9,99.9
180	10.54	11.21	10.53	10.75	10.56	11.20	10.53	10.75	170-180	0.9377	1735	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4442	5505
80	3884	4551
75	4020	4595
70	4302	4813
65	4576	5017
60	4809	5192
55	5015	5333
50	5183	5456
45	5330	5563

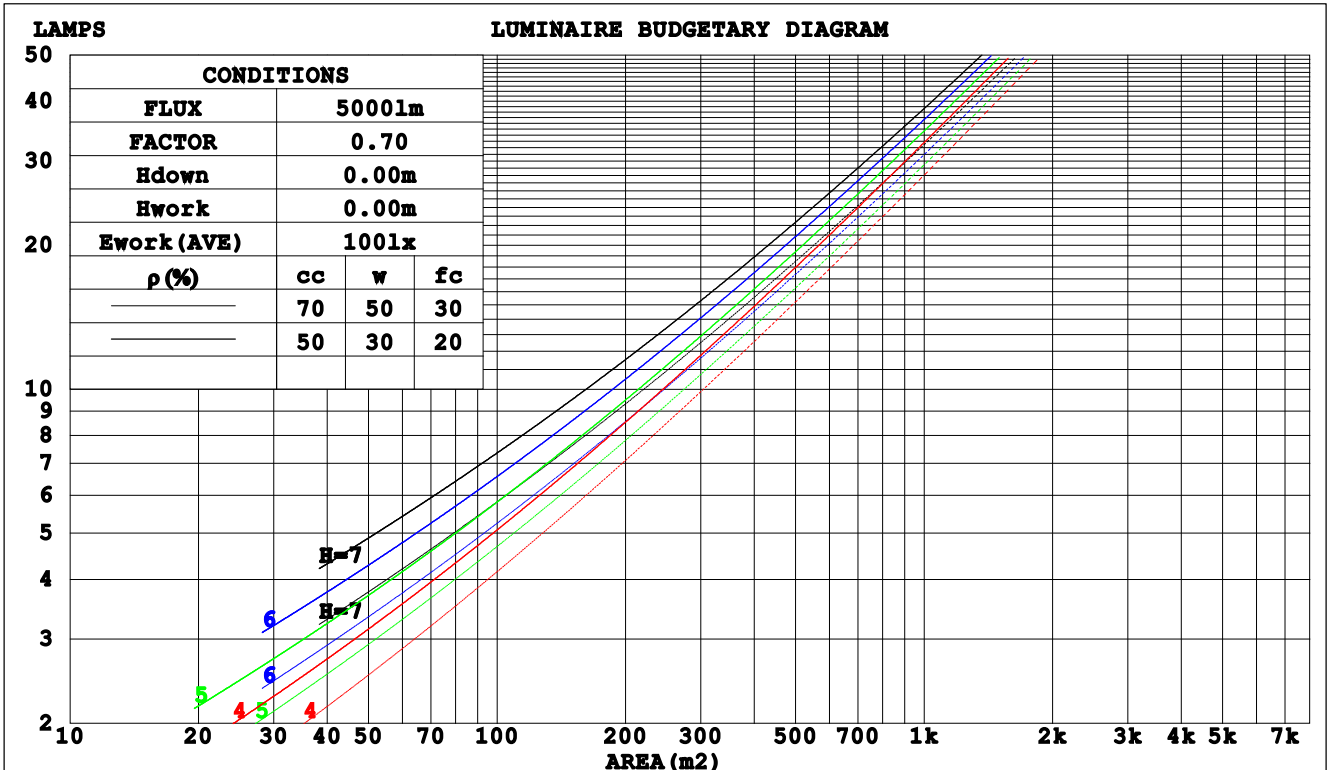
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2023-11-27**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.780m [K=1.0000]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc																
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	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.84	.78	.74	.80	.75	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.70	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.31	.26	.36	.30	.25	.35	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	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	.319	.182	.058	.312	.178	.056	.297	.170	.054	.284	.164	.053	.271	.157	.051	
2.0	.296	.162	.050	.289	.159	.049	.276	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.244	.133	.041	.234	.129	.040	
4.0	.250	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.193	.101	.030	.186	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.181	.093	.027	.174	.090	.027	
8.0	.185	.091	.025	.182	.090	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.174	.084	.023	.170	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.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	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.198	.173	.150	.169	.148	.129	.116	.102	.089	.067	.059	.052	.021	.019	.017	
2.0	.189	.149	.114	.162	.128	.099	.111	.089	.069	.064	.051	.040	.021	.017	.013	
3.0	.182	.131	.091	.156	.113	.079	.107	.079	.055	.062	.046	.033	.020	.015	.011	
4.0	.174	.118	.075	.149	.102	.065	.103	.071	.046	.059	.042	.027	.019	.014	.009	
5.0	.166	.108	.064	.143	.093	.056	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.099	.056	.137	.086	.049	.094	.060	.035	.055	.035	.021	.018	.012	.007	
7.0	.152	.092	.050	.131	.080	.044	.091	.056	.031	.053	.033	.018	.017	.011	.006	
8.0	.146	.087	.046	.126	.075	.040	.087	.053	.028	.051	.031	.017	.016	.010	.006	
9.0	.140	.082	.042	.120	.071	.037	.083	.050	.026	.049	.029	.016	.016	.010	.005	
10.0	.134	.077	.040	.116	.067	.035	.080	.047	.025	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	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				
<b>x = 2H y = 2H</b>	18.2	19.7	18.5	20.0	20.2	18.5	20.0	18.8	20.2	20.5
3H	19.7	21.0	20.0	21.3	21.6	20.0	21.4	20.4	21.7	22.0
4H	20.2	21.6	20.6	21.8	22.1	20.7	22.0	21.0	22.3	22.6
6H	20.7	21.9	21.1	22.2	22.6	21.2	22.4	21.6	22.8	23.1
8H	20.9	22.1	21.2	22.4	22.7	21.4	22.6	21.8	22.9	23.3
12H	21.0	22.2	21.4	22.5	22.9	21.6	22.8	22.0	23.1	23.5
<b>4H 2H</b>	18.8	20.2	19.2	20.5	20.8	19.1	20.4	19.4	20.7	21.0
3H	20.5	21.6	20.9	22.0	22.3	20.8	21.9	21.2	22.3	22.6
4H	21.2	22.2	21.6	22.6	23.0	21.6	22.6	22.0	23.0	23.3
6H	21.8	22.7	22.2	23.1	23.5	22.2	23.2	22.7	23.5	24.0
8H	22.0	22.9	22.5	23.3	23.7	22.5	23.4	23.0	23.8	24.2
12H	22.2	23.0	22.7	23.5	23.9	22.8	23.6	23.3	24.0	24.5
<b>8H 4H</b>	21.5	22.3	21.9	22.8	23.2	21.8	22.7	22.3	23.1	23.5
6H	22.2	23.0	22.7	23.4	23.9	22.6	23.4	23.1	23.8	24.3
8H	22.6	23.2	23.1	23.7	24.2	23.0	23.7	23.5	24.2	24.7
12H	22.9	23.5	23.5	24.0	24.5	23.5	24.0	24.0	24.5	25.0
<b>12H 4H</b>	21.5	22.3	22.0	22.7	23.2	21.8	22.6	22.3	23.0	23.5
6H	22.3	23.0	22.8	23.4	23.9	22.7	23.4	23.2	23.8	24.3
8H	22.7	23.3	23.3	23.8	24.3	23.2	23.7	23.7	24.2	24.7
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1735 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.9)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

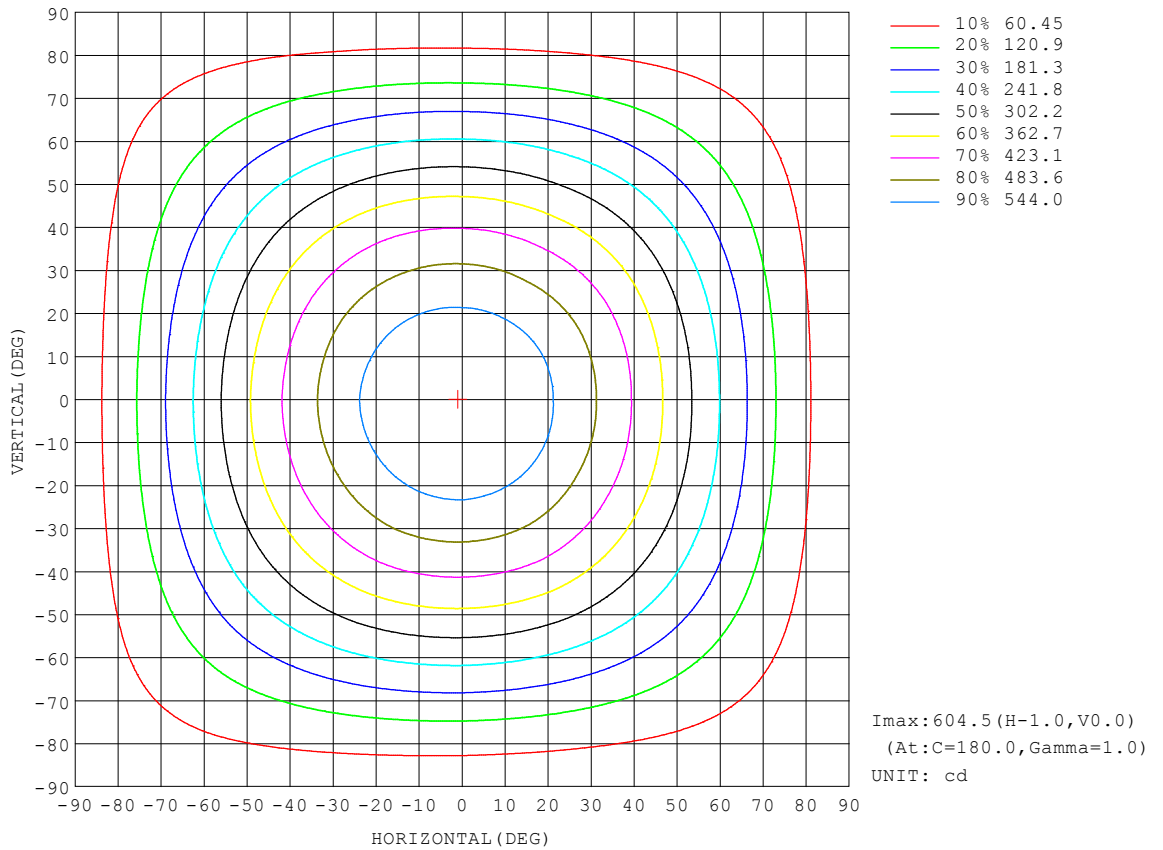
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	68
2.50	98	90	83	96	88	82	91	85	80	72
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	96	93	83
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

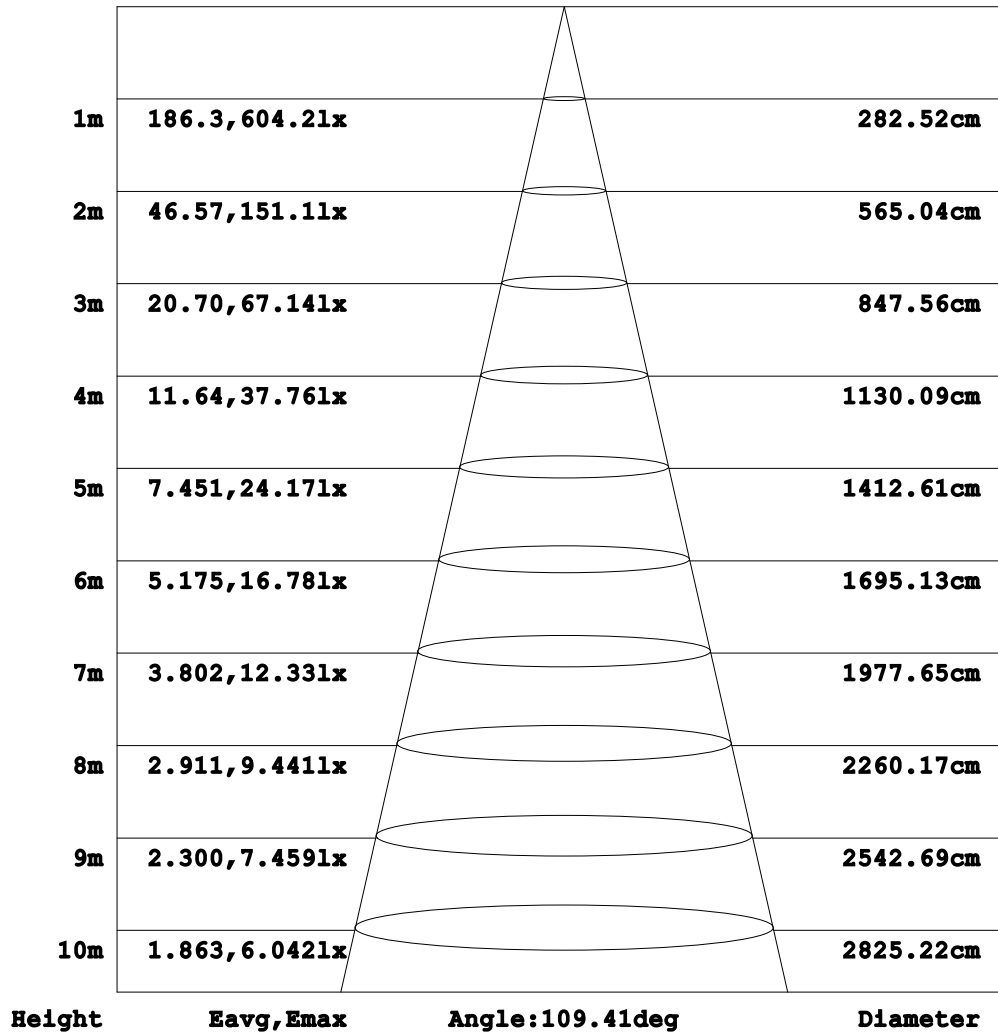
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

**Flux out:1194 lm**



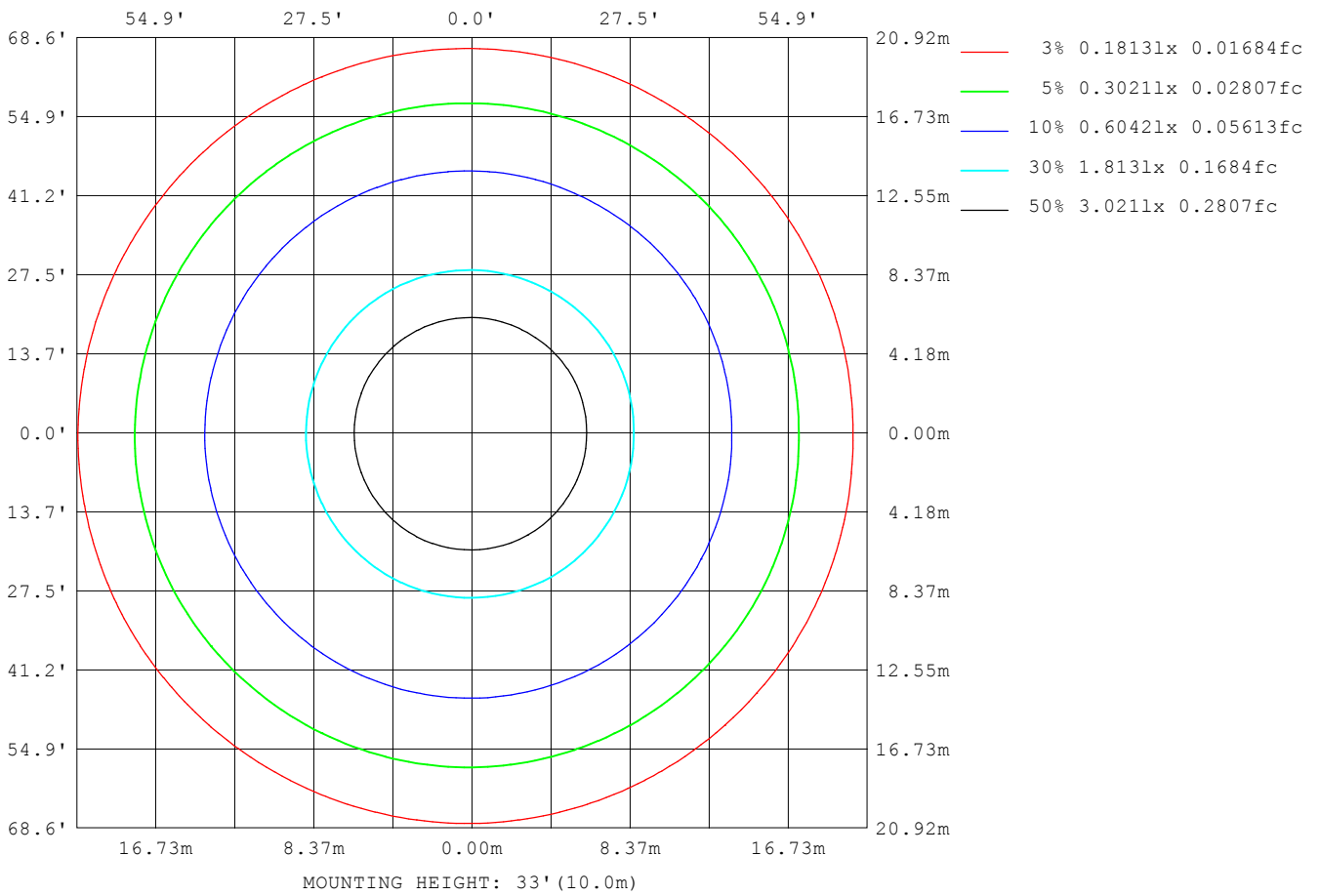
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2023-11-27**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.780m [K=1.0000]**  
**Remarks:**

LED Avg.L Report

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

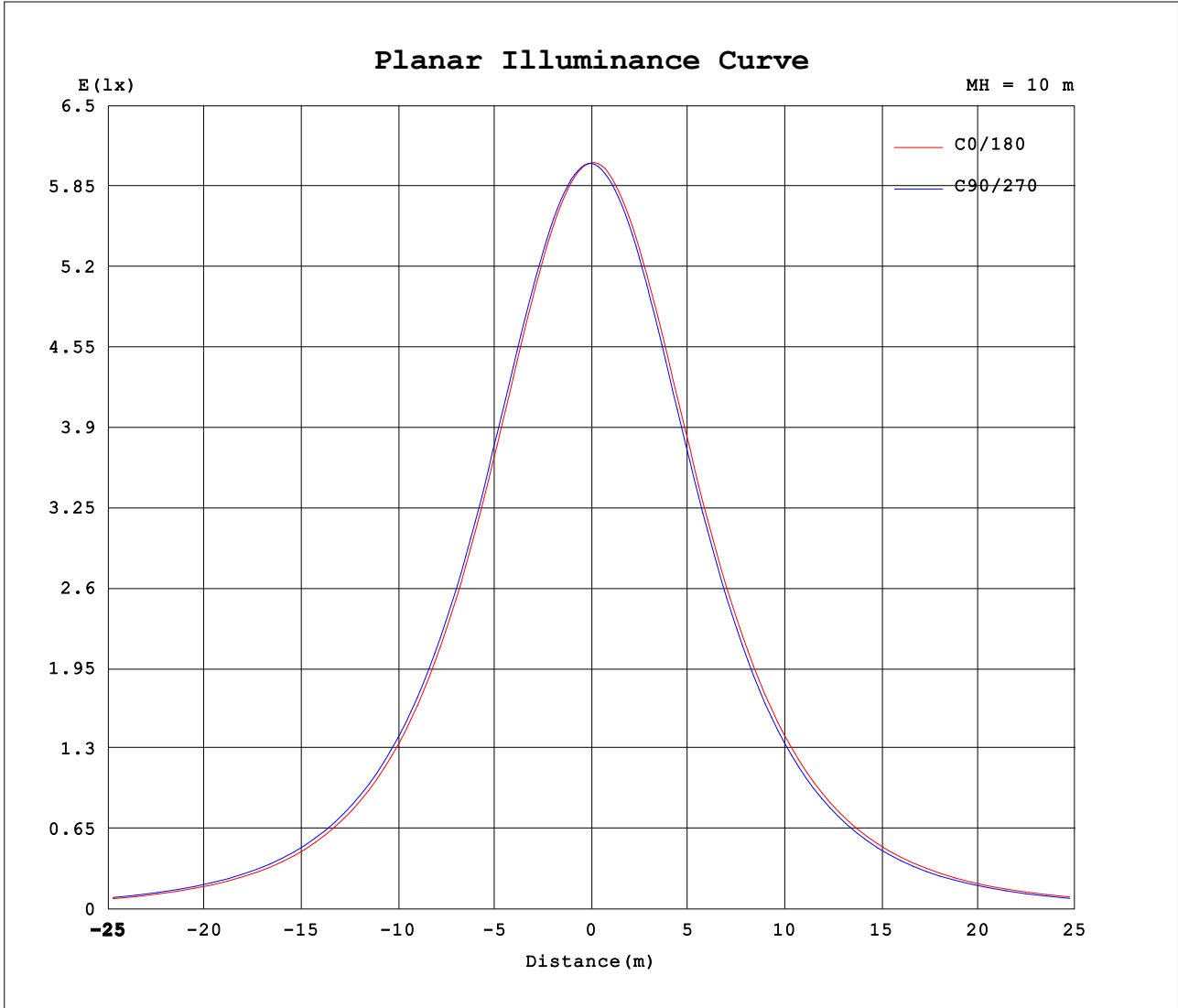
AvgL	cd/m2
L_0~180 (65) av	4873
L_0~180 (75) av	4452
L_0~180 (85) av	5258
L_90~270 (65) av	4865
L_90~270 (75) av	4390
L_90~270 (85) av	5140
L_45 (65) av	4876
L_45 (75) av	4407
L_45 (85) av	5154

Standard: GB/T 29293-2012

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 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
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 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 11.780m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.24V I:0.1124A P:15.719W PF:0.5819 Freq:49.99Hz Lamp Flux:1735.06x1 lm		
NAME: S18437-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	604	604	604	604	603	603	604	604	604	604	603	603							
5	599	600	600	601	601	601	603	601	600	599	598	598							
10	588	590	592	593	594	594	595	592	590	589	588	588							
15	572	574	577	580	580	580	581	578	575	573	571	572							
20	550	553	557	560	561	561	563	559	554	551	549	550							
25	523	527	531	536	537	537	538	534	529	524	522	524							
30	492	495	501	504	507	506	507	504	498	493	490	493							
35	457	460	468	471	474	473	474	470	465	459	455	458							
40	418	422	431	434	437	437	438	433	428	421	417	420							
45	377	381	390	393	397	397	398	393	388	381	376	379							
50	333	339	347	351	355	355	356	351	345	338	333	335							
55	288	294	302	306	310	311	312	306	299	293	288	289							
60	240	248	254	260	263	266	266	259	252	246	243	242							
65	193	201	206	212	216	219	218	211	204	199	196	195							
70	147	154	159	165	168	172	172	164	157	152	150	148							
75	104	109	114	119	122	126	126	119	112	108	106	105							
80	67.4	71.1	74.1	79.0	82.1	85.1	86.1	79.6	73.6	70.9	68.9	68.0							
85	38.7	41.6	44.0	48.0	49.9	52.4	52.9	47.9	43.8	41.6	40.4	39.7							
90	19.4	20.9	23.2	24.6	27.0	28.8	28.5	24.8	22.4	20.3	19.8	19.5							
95	8.51	8.86	8.46	9.23	11.8	12.9	13.0	10.6	7.82	7.05	7.51	7.57							
100	4.04	3.55	3.14	3.63	4.27	4.65	5.23	3.85	2.82	2.75	3.28	3.52							
105	3.29	2.76	2.47	2.77	3.03	2.89	2.85	2.68	2.58	2.73	2.82	3.07							
110	3.62	3.07	2.81	2.98	3.26	2.97	2.94	2.93	2.90	3.04	3.09	3.35							
115	4.09	3.48	3.22	3.35	3.68	3.33	3.30	3.22	3.27	3.40	3.49	3.71							
120	4.52	3.91	3.64	3.77	3.89	3.77	3.73	3.62	3.70	3.83	3.86	3.94							
125	4.99	4.36	4.06	4.17	4.36	4.41	4.21	4.06	4.12	4.26	4.36	4.50							
130	5.46	4.91	4.50	4.56	4.95	5.06	4.73	4.43	4.64	4.72	4.87	5.11							
135	5.84	5.48	5.12	4.99	5.62	5.70	5.21	4.91	5.12	5.18	5.36	5.70							
140	6.26	6.09	5.73	5.51	6.28	6.45	5.72	5.46	5.53	5.68	5.89	6.37							
145	6.61	6.60	6.05	6.21	6.94	7.05	6.25	6.05	6.09	6.19	6.44	7.08							
150	6.90	7.14	6.52	7.19	7.87	7.55	6.78	6.62	6.88	6.89	7.07	7.66							
155	7.79	7.41	7.16	8.14	8.62	8.06	7.33	7.18	7.71	7.94	7.76	7.96							
160	8.26	7.65	7.66	8.68	9.02	8.60	7.90	7.77	8.30	8.14	8.02	8.16							
165	8.56	7.97	8.20	8.85	9.32	9.03	8.49	8.22	8.58	8.18	8.27	8.48							
170	8.83	8.39	8.77	9.09	9.50	9.48	8.96	8.83	8.85	8.31	8.58	8.96							
175	9.83	10.5	11.1	10.6	10.3	10.5	10.5	10.8	10.4	9.99	10.3	10.3							
180	10.5	11.1	11.3	10.5	10.7	10.8	10.6	11.1	11.3	10.5	10.7	10.8							

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