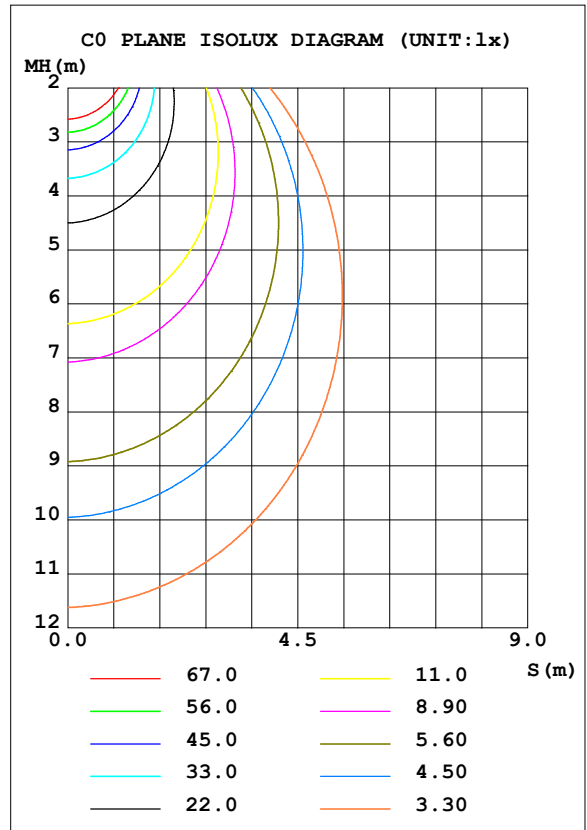
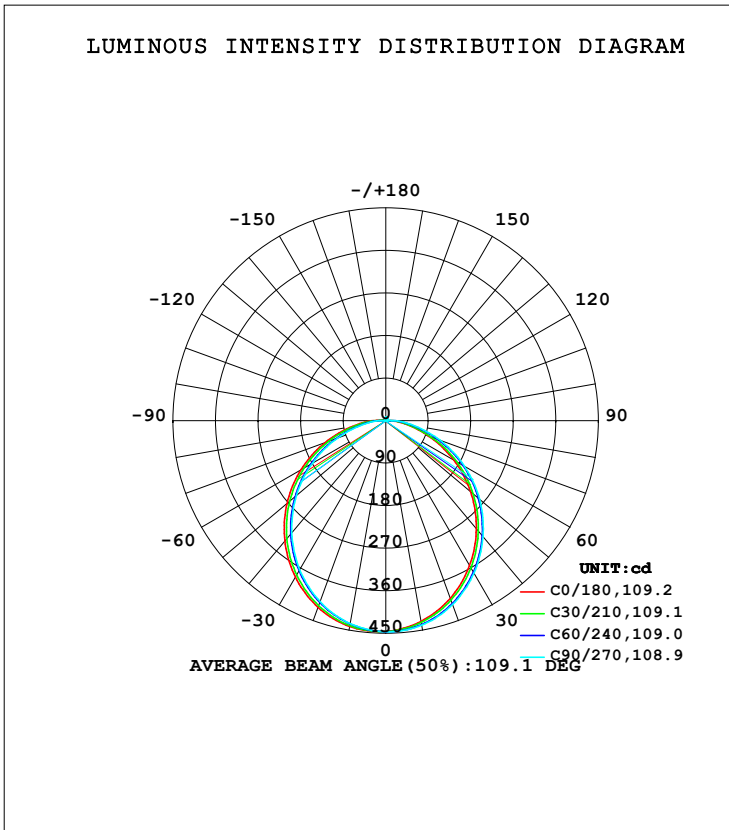


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.98 lm/W			
MODEL	S18432-最小-4K	I <sub>max</sub> (cd)	446.8	S/MH (C0/180)	1.27
NOMINAL POWER (W)	12.0211	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1274.0	η UP, DN (C0-180)	1.0, 48.5
NOMINAL FLUX (lm)	1273.97	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.0, 49.5
LAMPS INSIDE	1	η up (%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.392	η down (%)	98.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-02-24

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:

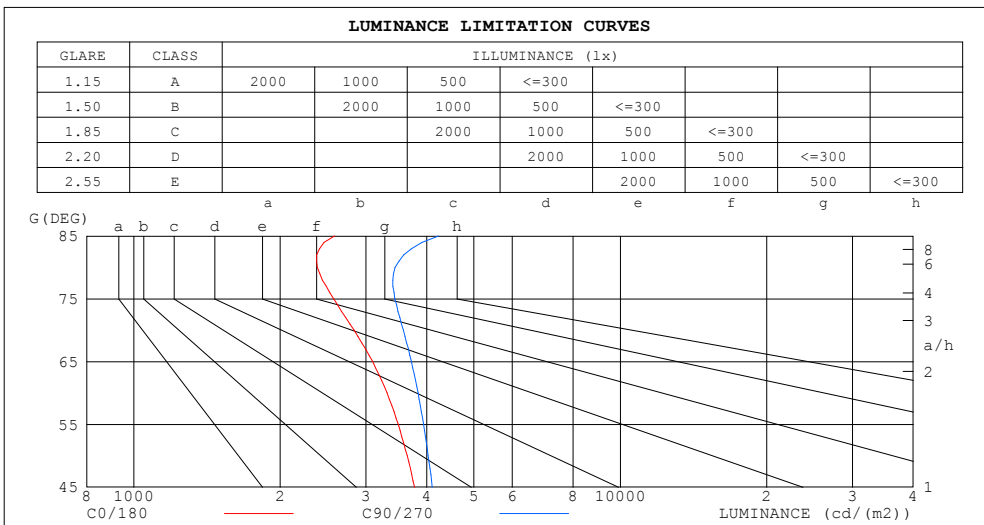
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	☉ zone	☉ total	lum, lamp
10	431.1	435.8	439.3	438.1	442.1	438.3	435.7	436.3	0- 10	42.16	42.16	3.31,3.31
20	399.9	407.8	413.8	412.2	420.1	412.7	407.4	408.7	10- 20	120.1	162.2	12.7,12.7
30	354.4	365.2	372.8	371.2	382.4	371.9	364.2	366.2	20- 30	180.2	342.4	26.9,26.9
40	298.2	311.1	320.3	318.3	332.3	319.3	309.7	312.2	30- 40	214.6	557.0	43.7,43.7
50	234.5	248.8	258.9	256.9	272.8	258.0	246.9	249.7	40- 50	219.9	776.9	61,61
60	165.7	180.5	192.0	189.9	206.8	190.8	178.9	181.7	50- 60	196.7	973.6	76.4,76.4
70	97.06	110.5	122.5	120.4	137.2	121.2	109.1	111.6	60- 70	149.3	1123	88.1,88.1
80	41.38	50.79	59.85	57.59	71.80	58.95	49.06	50.91	70- 80	88.66	1211	95.1,95.1
90	10.50	15.47	18.98	18.50	26.12	18.85	13.03	14.24	80- 90	36.83	1248	98,98
100	1.927	2.434	2.791	2.674	5.204	2.714	1.372	1.631	90-100	8.528	1257	98.7,98.7
110	2.279	2.155	2.212	2.051	1.787	1.708	1.682	1.730	100-110	2.013	1259	98.8,98.8
120	3.077	2.779	2.861	2.709	2.585	2.319	2.349	2.376	110-120	2.238	1261	99,99
130	3.780	3.520	3.451	3.334	3.295	2.987	2.999	3.121	120-130	2.639	1264	99.2,99.2
140	4.343	4.240	4.067	4.001	3.998	3.828	3.684	3.936	130-140	2.812	1267	99.4,99.4
150	4.846	5.033	4.865	4.959	4.596	4.638	4.603	4.703	140-150	2.746	1269	99.6,99.6
160	5.609	5.713	5.879	5.765	5.498	5.350	5.366	5.310	150-160	2.399	1272	99.8,99.8
170	6.129	6.100	6.357	6.480	5.983	6.061	5.990	5.917	160-170	1.637	1273	99.9,99.9
180	7.005	7.209	7.448	7.374	7.014	7.213	7.448	7.374	170-180	0.6388	1274	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:2024-02-24

$\gamma$  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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432- <del>最小</del> -4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2587	4233
80	2383	3446
75	2574	3440
70	2838	3582
65	3096	3722
60	3314	3841
55	3495	3941
50	3648	4029
45	3779	4109

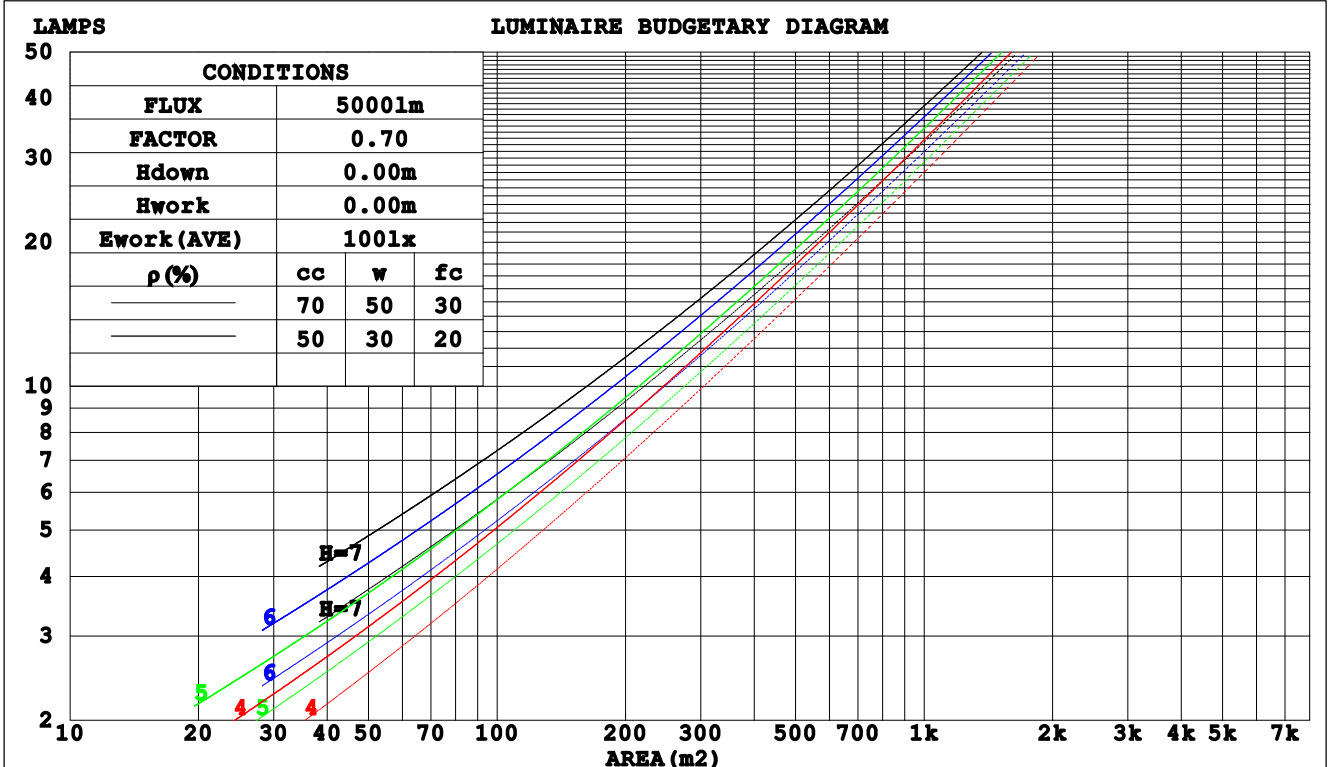
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024-02-24**

**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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 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																0
pfc																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	1.00	.96	.93	.96	.93	.89	.92	.89	.86	.88	.85	.83	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.65	.58	.53	.63	.57	.52	.60	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.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	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-02-24

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:

WEC AND CCEC

Test:U:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients (WEC)</b>									
0.0																
1.0	.319	.181	.057	.311	.177	.056	.296	.170	.054	.283	.163	.052	.271	.157	.051	
2.0	.295	.162	.050	.288	.159	.049	.275	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.243	.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	.225	.116	.034	.216	.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	.198	.098	.028	.195	.097	.028	.187	.095	.027	.181	.093	.027	.174	.090	.027	
8.0	.185	.090	.025	.182	.089	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.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	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients (CCEC)</b>									
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.196	.172	.149	.168	.147	.128	.115	.101	.089	.066	.059	.052	.021	.019	.017	
2.0	.188	.147	.113	.161	.127	.098	.110	.088	.068	.064	.051	.040	.020	.017	.013	
3.0	.180	.130	.090	.155	.112	.078	.106	.078	.055	.061	.045	.032	.020	.015	.011	
4.0	.173	.117	.074	.148	.101	.064	.102	.070	.045	.059	.041	.027	.019	.013	.009	
5.0	.165	.106	.063	.142	.092	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
6.0	.158	.098	.055	.136	.085	.048	.094	.059	.034	.054	.035	.020	.018	.011	.007	
7.0	.151	.091	.049	.130	.079	.043	.090	.055	.030	.052	.033	.018	.017	.011	.006	
8.0	.145	.085	.045	.125	.074	.039	.086	.052	.028	.050	.031	.016	.016	.010	.005	
9.0	.139	.080	.041	.119	.070	.036	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.133	.076	.038	.115	.066	.034	.079	.047	.024	.046	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-02-24

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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 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				
x = 2H y = 2H	16.8	18.3	17.1	18.6	18.8	17.5	19.0	17.8	19.2	19.4
3H	18.2	19.5	18.5	19.8	20.1	19.0	20.4	19.3	20.7	21.0
4H	18.7	20.0	19.0	20.3	20.6	19.7	21.0	20.0	21.3	21.6
6H	19.0	20.3	19.4	20.6	20.9	20.2	21.5	20.6	21.8	22.1
8H	19.2	20.4	19.5	20.7	21.0	20.5	21.7	20.8	22.0	22.3
12H	19.3	20.4	19.7	20.8	21.1	20.7	21.8	21.1	22.2	22.5
4H 2H	17.5	18.8	17.8	19.1	19.4	18.0	19.3	18.3	19.6	19.9
3H	19.0	20.1	19.4	20.5	20.8	19.7	20.9	20.1	21.2	21.6
4H	19.6	20.7	20.0	21.0	21.4	20.5	21.6	20.9	21.9	22.3
6H	20.1	21.0	20.5	21.4	21.8	21.2	22.2	21.7	22.6	23.0
8H	20.3	21.2	20.7	21.6	22.0	21.5	22.4	22.0	22.8	23.2
12H	20.5	21.3	20.9	21.7	22.1	21.8	22.7	22.3	23.1	23.5
8H 4H	19.9	20.8	20.4	21.2	21.6	20.8	21.6	21.2	22.0	22.5
6H	20.6	21.3	21.1	21.8	22.2	21.6	22.4	22.1	22.8	23.3
8H	20.9	21.5	21.4	22.0	22.5	22.1	22.7	22.5	23.2	23.7
12H	21.2	21.7	21.7	22.2	22.7	22.5	23.1	23.0	23.5	24.1
12H 4H	20.0	20.8	20.4	21.2	21.6	20.8	21.6	21.2	22.0	22.4
6H	20.7	21.3	21.2	21.8	22.3	21.7	22.3	22.2	22.8	23.3
8H	21.0	21.6	21.6	22.1	22.6	22.2	22.7	22.7	23.2	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1274 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.8)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-02-24

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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432- <del>最小</del> -4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

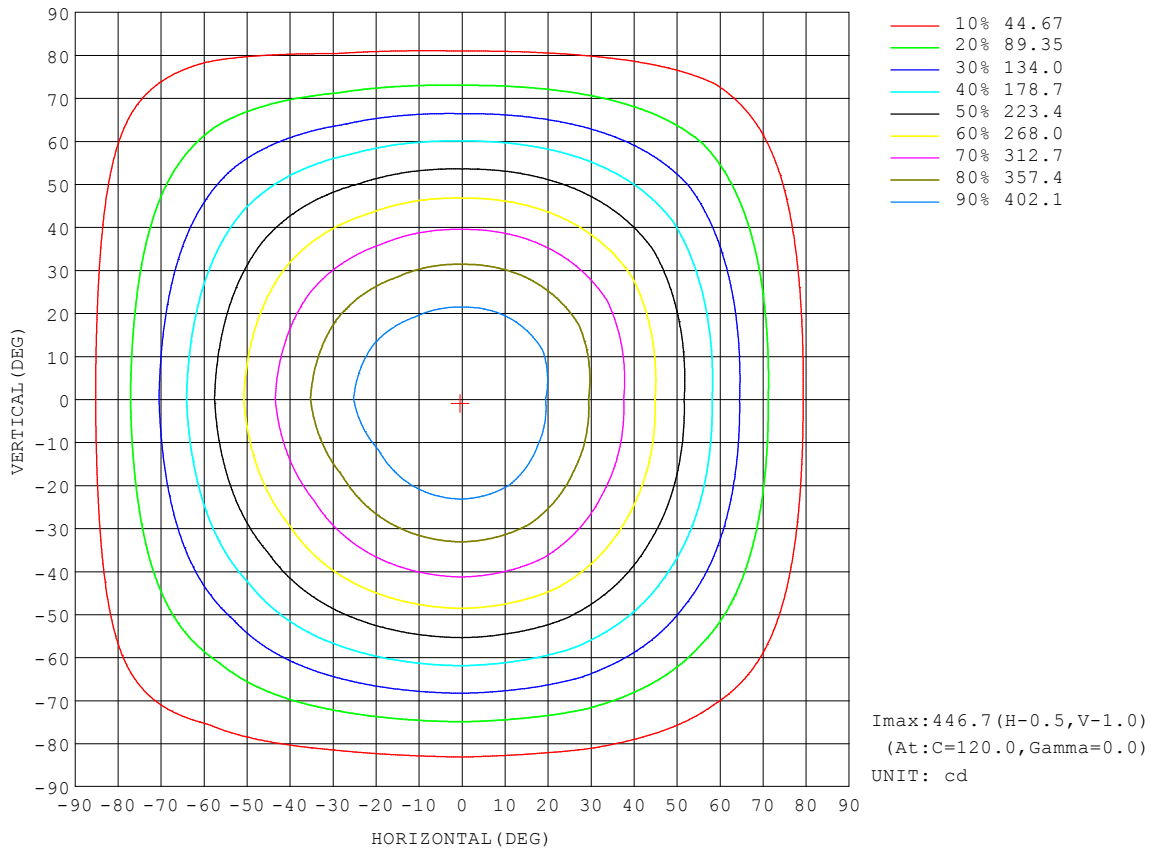
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	71	65	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	92	85	81	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	100	97	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:2024-02-24

$\gamma$  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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 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: 2024-02-24**

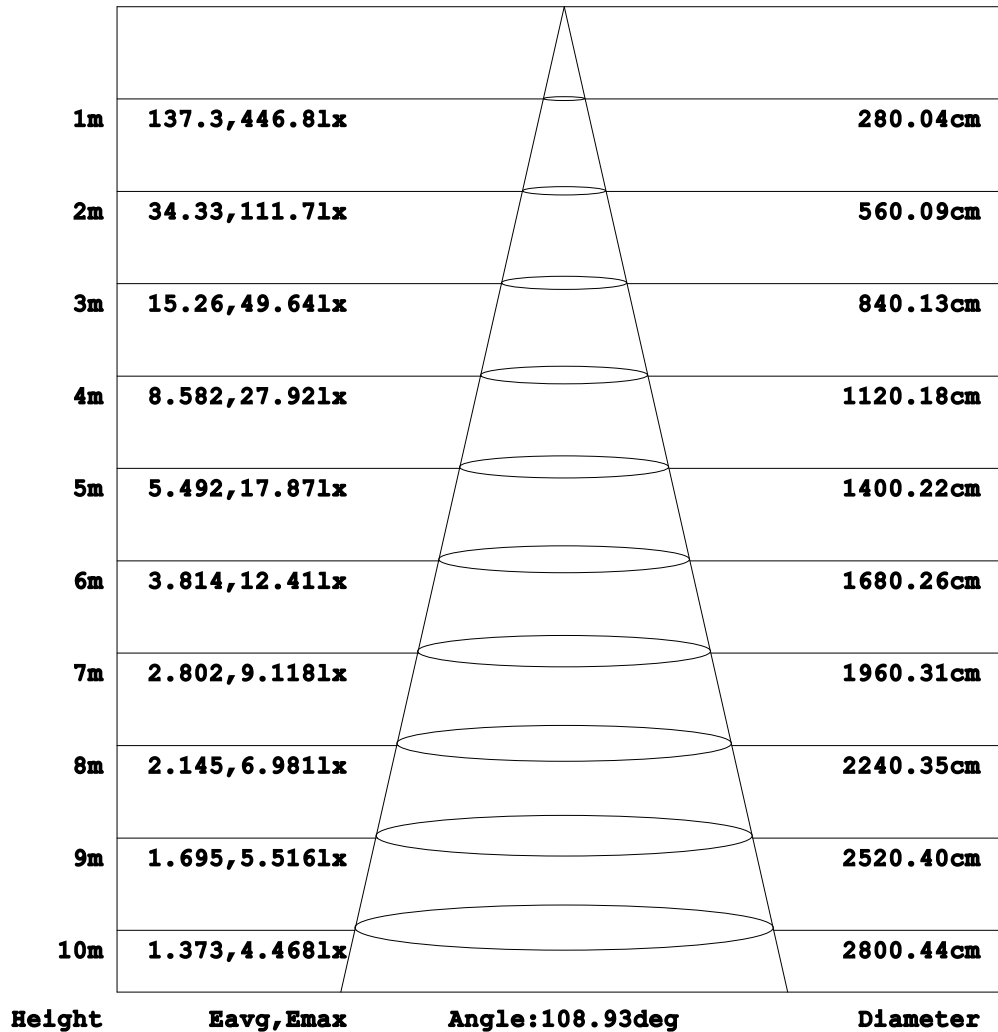
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.421**  
**Humidity: 65.0%**  
**Test Distance: 11.780m [K=1.0000]**  
**Remarks:**



**AAI Figure**

Test:U:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

**Flux out:879.8 lm**



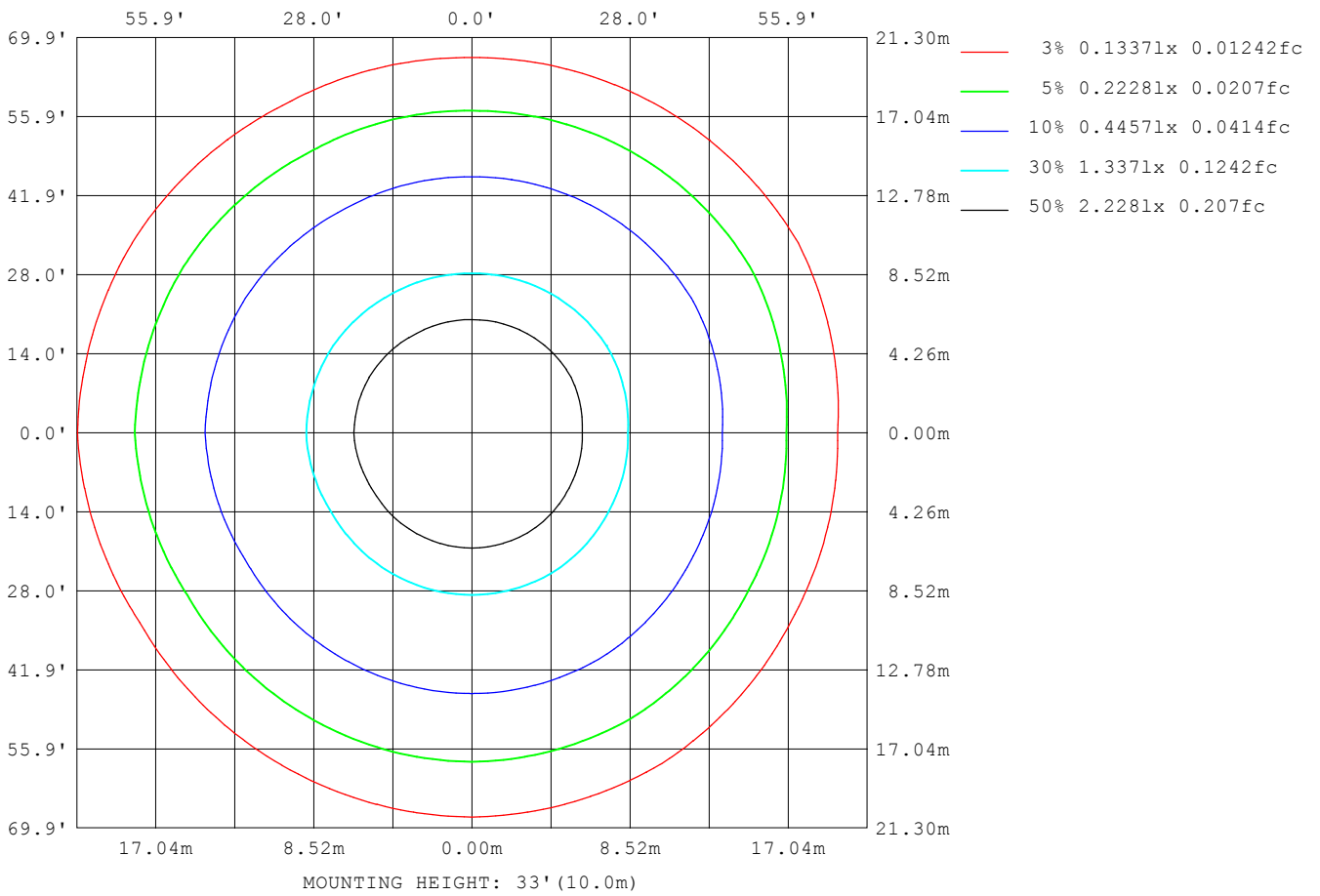
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-02-24

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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 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:2024-02-24**

**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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432- <del>最小</del> -4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

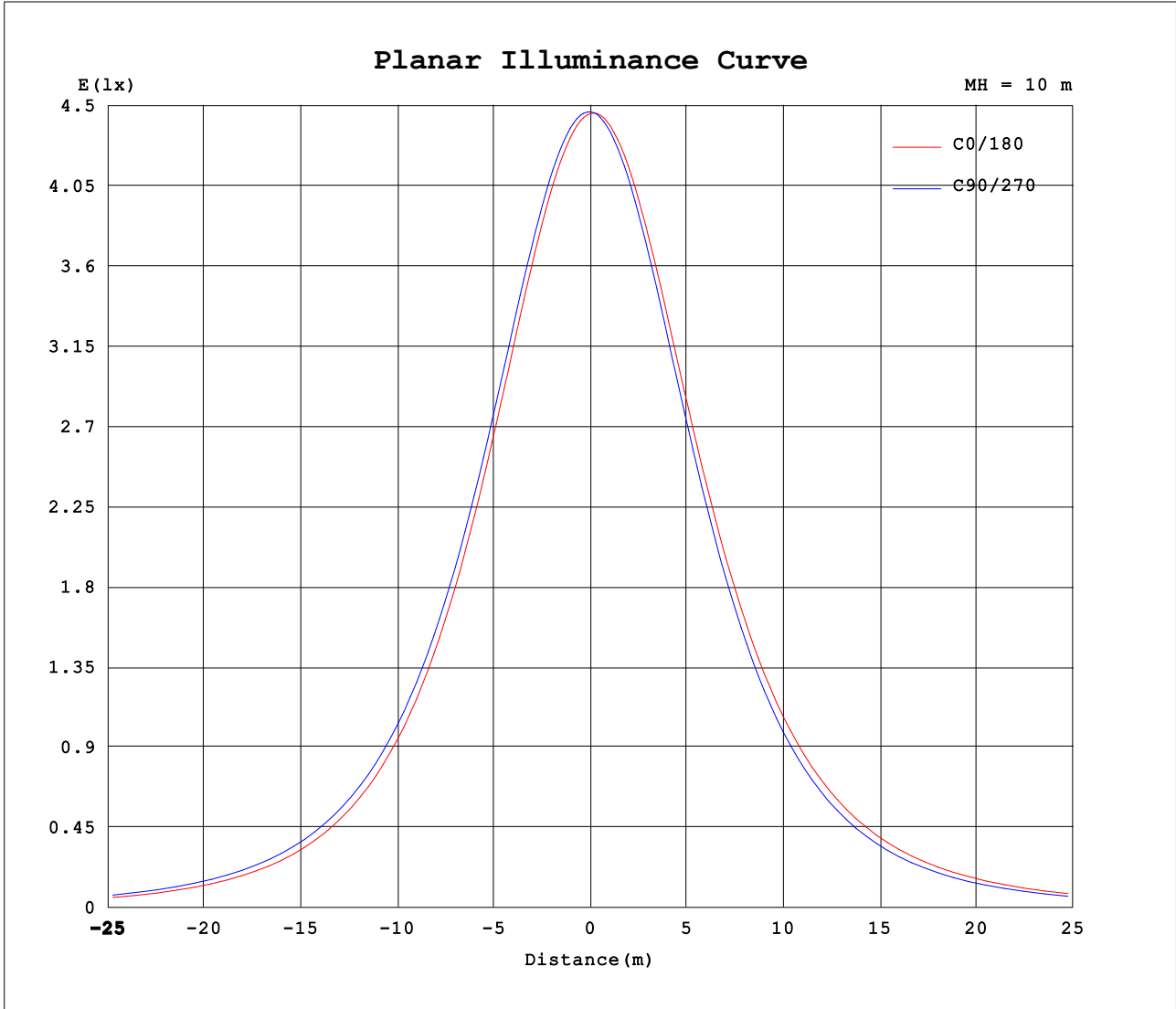
AvgL	cd/m2
L_0~180 (65) av	3584
L_0~180 (75) av	3278
L_0~180 (85) av	3914
L_90~270 (65) av	3563
L_90~270 (75) av	3197
L_90~270 (85) av	3717
L_45 (65) av	3565
L_45 (75) av	3202
L_45 (85) av	3716

Standard: GB/T 29293-2012

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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:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
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 Test Date: 2024-02-24

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:240.39V I:0.0870A P:12.021W PF:0.5745 Freq:49.99Hz Lamp Flux:1273.97x1 lm		
NAME: S18432-最小-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 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	446	446	447	447	447	446	446	446	447	447	447	446							
5	441	442	445	445	445	444	446	446	444	443	444	443							
10	431	433	438	439	439	437	442	440	436	436	436	436							
15	417	421	427	429	428	427	433	430	425	424	425	425							
20	400	404	412	414	413	411	420	416	409	407	409	409							
25	379	383	393	395	394	393	403	398	390	387	389	389							
30	354	360	370	373	372	370	382	377	367	364	366	366							
35	327	334	345	348	347	345	359	353	341	338	340	341							
40	298	305	317	320	319	318	332	326	313	310	312	313							
45	267	274	288	291	289	288	304	296	283	279	281	282							
50	234	242	256	259	257	256	273	265	251	247	249	250							
55	200	208	223	226	224	223	240	232	217	213	216	217							
60	166	173	188	192	190	190	207	199	183	179	181	182							
65	131	137	153	157	155	155	172	164	148	144	146	147							
70	97.1	103	118	123	121	120	137	129	113	109	111	112							
75	66.6	71.3	84.8	89.0	87.2	86.7	103	95.4	80.5	76.5	78.1	79.6							
80	41.4	45.6	56.0	59.8	57.6	57.5	71.8	65.6	52.3	49.1	50.1	51.7							
85	22.5	26.1	33.7	36.9	34.7	34.7	45.7	40.8	30.9	27.9	28.8	30.1							
90	10.5	12.7	18.2	19.0	18.4	18.5	26.1	22.2	15.5	13.0	13.7	14.7							
95	4.05	5.07	7.13	7.14	7.64	7.68	12.7	10.1	5.25	4.09	4.53	5.08							
100	1.93	2.16	2.71	2.79	2.65	2.69	5.20	3.57	1.86	1.37	1.53	1.73							
105	1.91	1.86	2.00	1.93	1.87	1.77	2.21	1.69	1.47	1.41	1.45	1.48							
110	2.28	2.14	2.17	2.21	2.09	2.01	1.79	1.75	1.67	1.68	1.72	1.74							
115	2.70	2.45	2.35	2.57	2.43	2.32	2.17	2.07	1.95	2.00	2.02	2.02							
120	3.08	2.85	2.70	2.86	2.76	2.65	2.59	2.38	2.25	2.35	2.37	2.38							
125	3.43	3.17	3.09	3.16	3.06	3.01	2.96	2.76	2.57	2.69	2.71	2.82							
130	3.78	3.56	3.49	3.45	3.35	3.32	3.30	3.12	2.85	3.00	3.06	3.18							
135	4.07	3.95	3.81	3.76	3.64	3.67	3.65	3.51	3.23	3.32	3.43	3.64							
140	4.34	4.37	4.11	4.07	3.93	4.08	4.00	3.90	3.76	3.68	3.76	4.11							
145	4.60	4.72	4.47	4.37	4.35	4.51	4.33	4.31	4.18	4.03	4.15	4.50							
150	4.85	5.10	4.97	4.86	4.91	5.01	4.60	4.68	4.60	4.60	4.69	4.72							
155	5.17	5.34	5.48	5.46	5.37	5.48	4.95	5.17	4.98	5.13	5.17	4.96							
160	5.61	5.58	5.84	5.88	5.75	5.78	5.50	5.43	5.27	5.37	5.39	5.23							
165	5.92	5.76	6.04	6.06	5.94	6.02	5.76	5.67	5.65	5.67	5.58	5.48							
170	6.13	5.97	6.23	6.36	6.44	6.52	5.98	5.96	6.17	5.99	5.99	5.84							
175	7.04	6.80	7.07	7.40	7.58	7.25	6.53	6.73	7.26	7.15	6.82	6.55							
180	7.01	6.99	7.43	7.45	7.57	7.18	7.01	6.99	7.44	7.45	7.56	7.19							

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