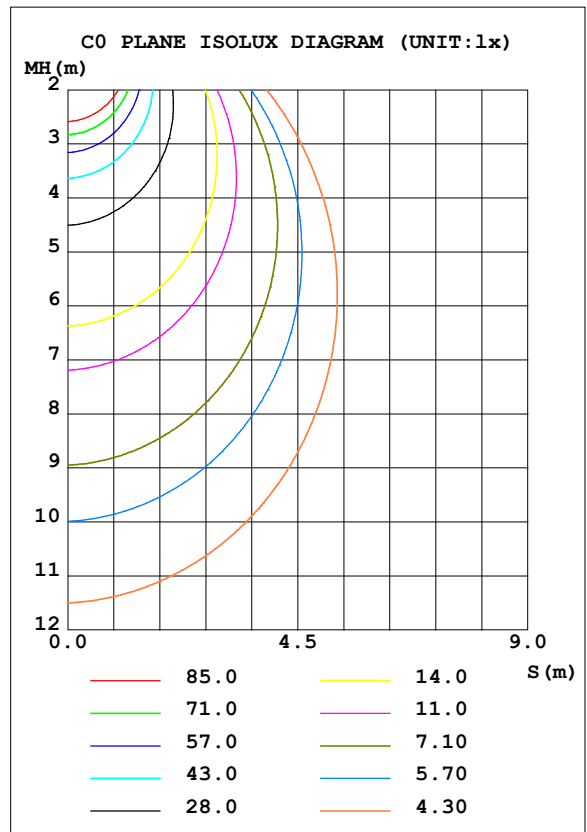
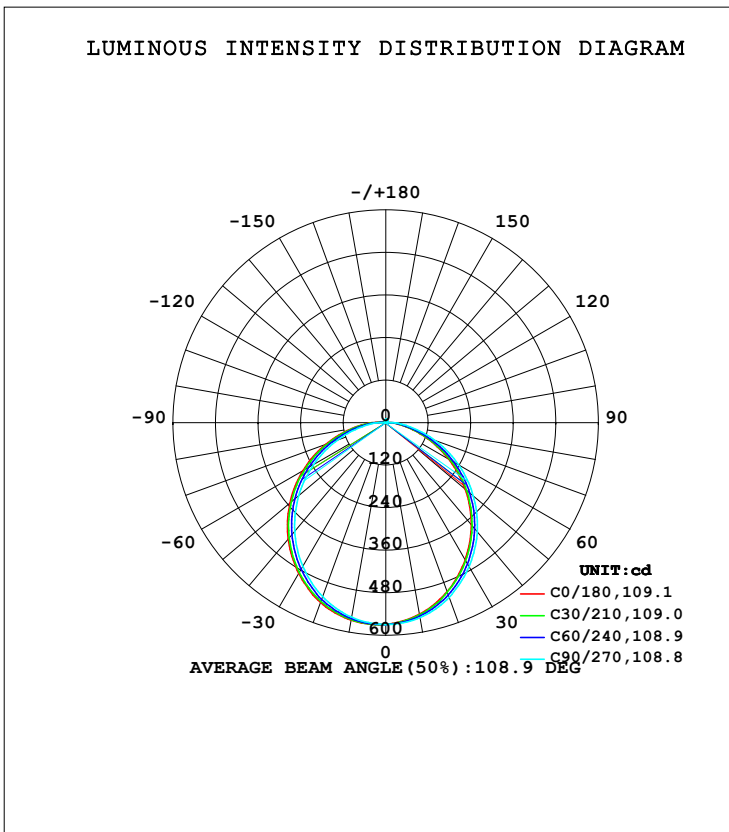


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.39V I:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.67 lm/W			
MODEL	S18432-4K	I <sub>max</sub> (cd)	570.6	S/MH (C0/180)	1.28
NOMINAL POWER (W)	15.672	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1624.7	η UP, DN (C0-180)	1.0, 47.1
NOMINAL FLUX (lm)	1624.72	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 50.8
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.387	η down (%)	97.9	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:

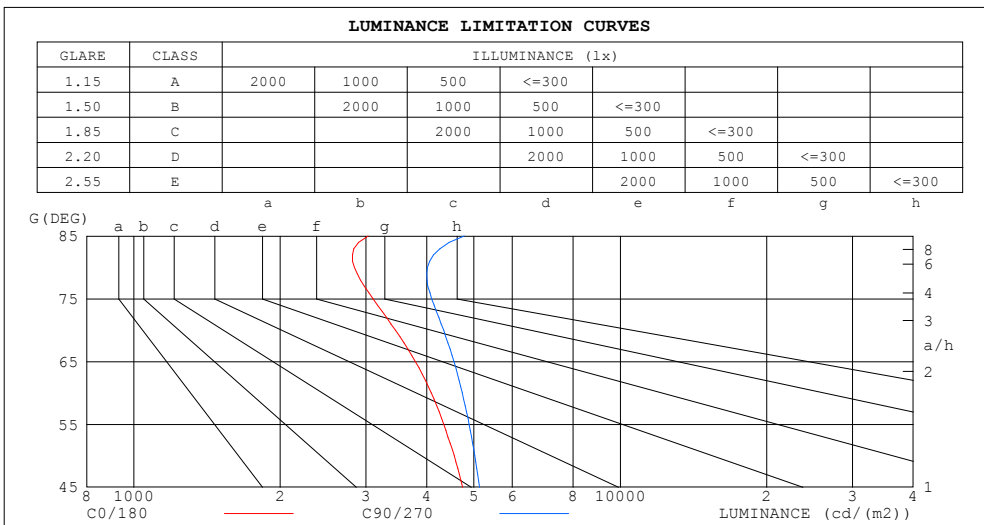
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	☉ zone	☉ total	lum, lamp
10	548.4	552.3	558.3	558.6	565.6	562.5	556.9	558.9	0- 10	53.81	53.81	3.31,3.31
20	506.9	512.7	524.9	524.6	539.4	533.2	522.1	525.3	10- 20	153.3	207.1	12.7,12.7
30	447.6	455.6	469.4	469.8	491.2	483.0	468.2	470.7	20- 30	229.6	436.7	26.9,26.9
40	375.2	384.6	401.5	401.5	428.2	418.2	399.8	402.7	30- 40	273.4	710.1	43.7,43.7
50	293.0	303.7	322.7	322.5	353.2	341.5	320.8	323.8	40- 50	280.1	990.2	60.9,60.9
60	204.5	215.5	236.8	235.8	269.7	256.5	234.0	237.4	50- 60	250.4	1241	76.4,76.4
70	118.0	126.8	148.2	147.0	181.3	168.2	145.6	148.7	60- 70	189.9	1431	88,88
80	49.37	54.90	69.72	68.28	97.05	86.22	67.68	69.96	70- 80	113.1	1544	95,95
90	11.98	14.60	20.71	21.04	36.22	30.58	19.00	20.47	80- 90	47.25	1591	97.9,97.9
100	2.317	2.567	2.920	3.142	8.162	4.935	1.997	2.370	90-100	11.23	1602	98.6,98.6
110	2.974	2.731	2.767	2.844	2.610	2.203	2.098	2.146	100-110	2.713	1605	98.8,98.8
120	4.049	3.628	3.486	3.559	3.530	3.022	2.912	2.969	110-120	2.898	1608	99,99
130	4.881	4.617	4.293	4.430	4.673	3.932	3.728	3.893	120-130	3.413	1611	99.2,99.2
140	5.713	5.731	5.134	5.575	5.462	4.998	4.612	4.968	130-140	3.683	1615	99.4,99.4
150	6.442	6.845	6.696	6.957	6.355	6.164	5.643	5.689	140-150	3.649	1618	99.6,99.6
160	7.543	7.833	7.968	7.821	7.447	7.192	6.797	6.615	150-160	3.192	1622	99.8,99.8
170	8.349	8.358	8.272	8.458	8.272	8.255	7.603	7.318	160-170	2.181	1624	99.9,99.9
180	9.372	9.728	9.901	9.945	9.381	9.728	9.910	9.936	170-180	0.8525	1625	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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3031	4781
80	2843	4015
75	3103	4094
70	3450	4333
65	3792	4552
60	4090	4737
55	4335	4888
50	4559	5020
45	4740	5137

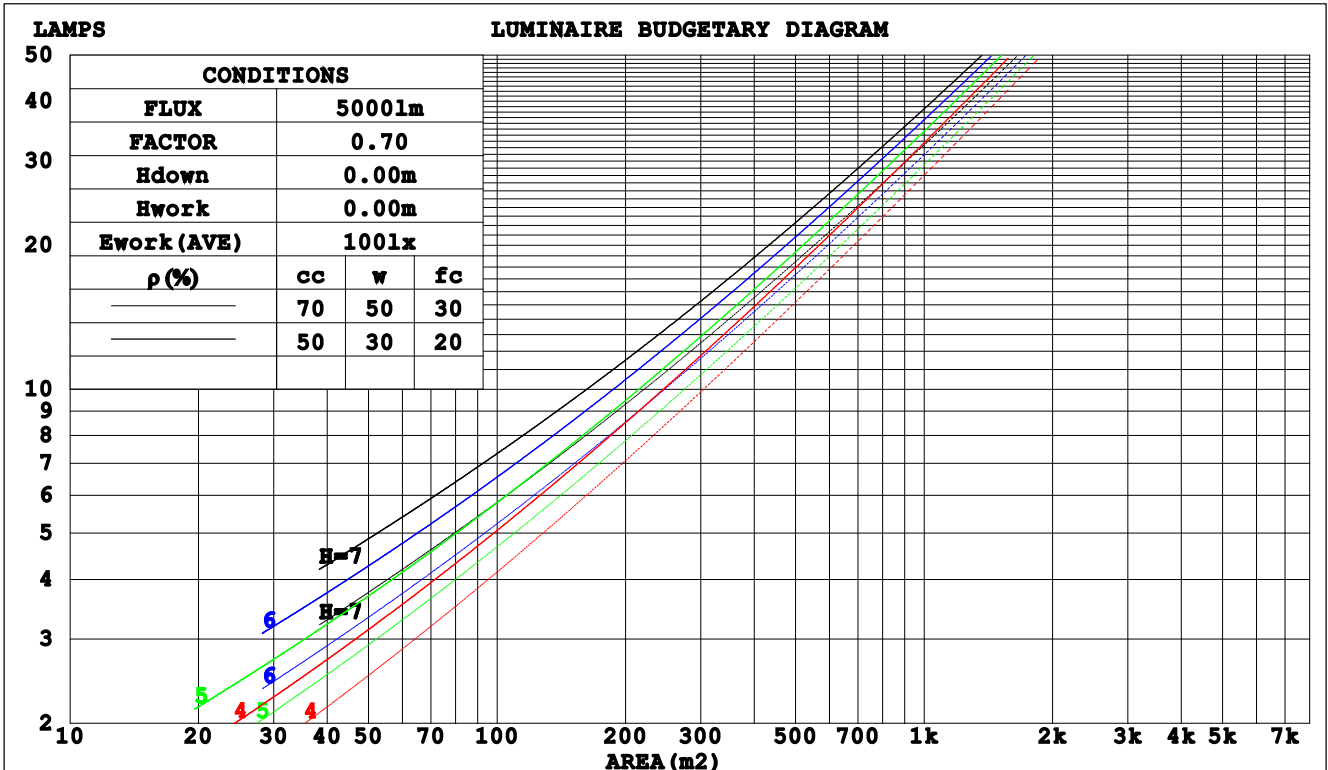
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024-02-24**

**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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 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	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.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	.48
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.45	.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	.35	.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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 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	.263	.148	.046	.253	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.249	.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	.100	.030	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.180	.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	.164	.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	.197	.172	.150	.168	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.114	.162	.127	.098	.111	.088	.069	.064	.051	.040	.020	.017	.013	
3.0	.181	.130	.090	.155	.113	.078	.106	.078	.055	.061	.046	.032	.020	.015	.011	
4.0	.173	.117	.075	.149	.101	.065	.102	.071	.046	.059	.041	.027	.019	.013	.009	
5.0	.166	.107	.064	.142	.092	.055	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.158	.099	.056	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007	
7.0	.152	.092	.050	.130	.079	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.075	.039	.086	.052	.028	.050	.031	.017	.016	.010	.006	
9.0	.139	.081	.042	.120	.070	.036	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.133	.077	.039	.115	.067	.034	.080	.047	.024	.047	.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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 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
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	17.4	18.9	17.7	19.2	19.4	18.0	19.4	18.3	19.7	19.9
3H	18.7	20.1	19.0	20.4	20.6	19.5	20.8	19.8	21.1	21.4
4H	19.2	20.5	19.5	20.8	21.1	20.1	21.4	20.4	21.7	22.0
6H	19.5	20.8	19.9	21.1	21.4	20.6	21.8	20.9	22.1	22.4
8H	19.7	20.8	20.0	21.2	21.5	20.8	22.0	21.2	22.3	22.6
12H	19.8	20.9	20.1	21.2	21.6	21.0	22.1	21.4	22.5	22.8
4H 2H	18.0	19.3	18.4	19.6	19.9	18.4	19.7	18.8	20.0	20.3
3H	19.5	20.6	19.8	20.9	21.3	20.1	21.2	20.5	21.6	21.9
4H	20.1	21.1	20.5	21.5	21.8	20.8	21.9	21.2	22.2	22.6
6H	20.5	21.5	21.0	21.8	22.3	21.5	22.4	21.9	22.8	23.2
8H	20.7	21.6	21.2	22.0	22.4	21.7	22.6	22.2	23.0	23.5
12H	20.9	21.7	21.3	22.1	22.5	22.0	22.8	22.5	23.3	23.7
8H 4H	20.3	21.2	20.8	21.6	22.0	21.0	21.9	21.4	22.3	22.7
6H	20.9	21.7	21.4	22.1	22.6	21.8	22.5	22.3	23.0	23.4
8H	21.2	21.9	21.7	22.3	22.8	22.2	22.8	22.7	23.3	23.8
12H	21.5	22.0	22.0	22.5	23.0	22.6	23.1	23.1	23.6	24.1
12H 4H	20.3	21.1	20.8	21.6	22.0	21.0	21.8	21.5	22.2	22.7
6H	21.0	21.7	21.5	22.1	22.6	21.8	22.5	22.3	22.9	23.4
8H	21.3	21.9	21.8	22.4	22.9	22.3	22.8	22.8	23.3	23.8
<b>Variations with the observer position at spacings:</b>										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1625 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.7)  
 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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

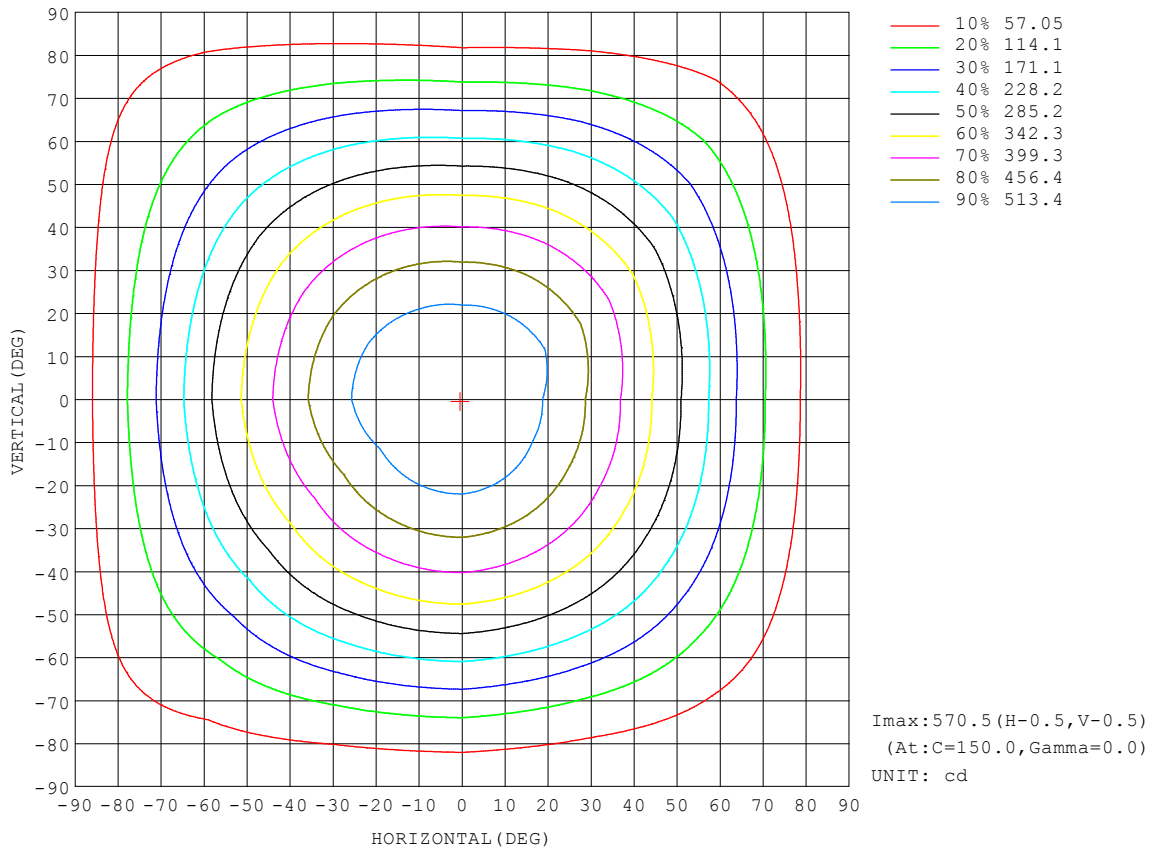
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	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	91	85	81	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	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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 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

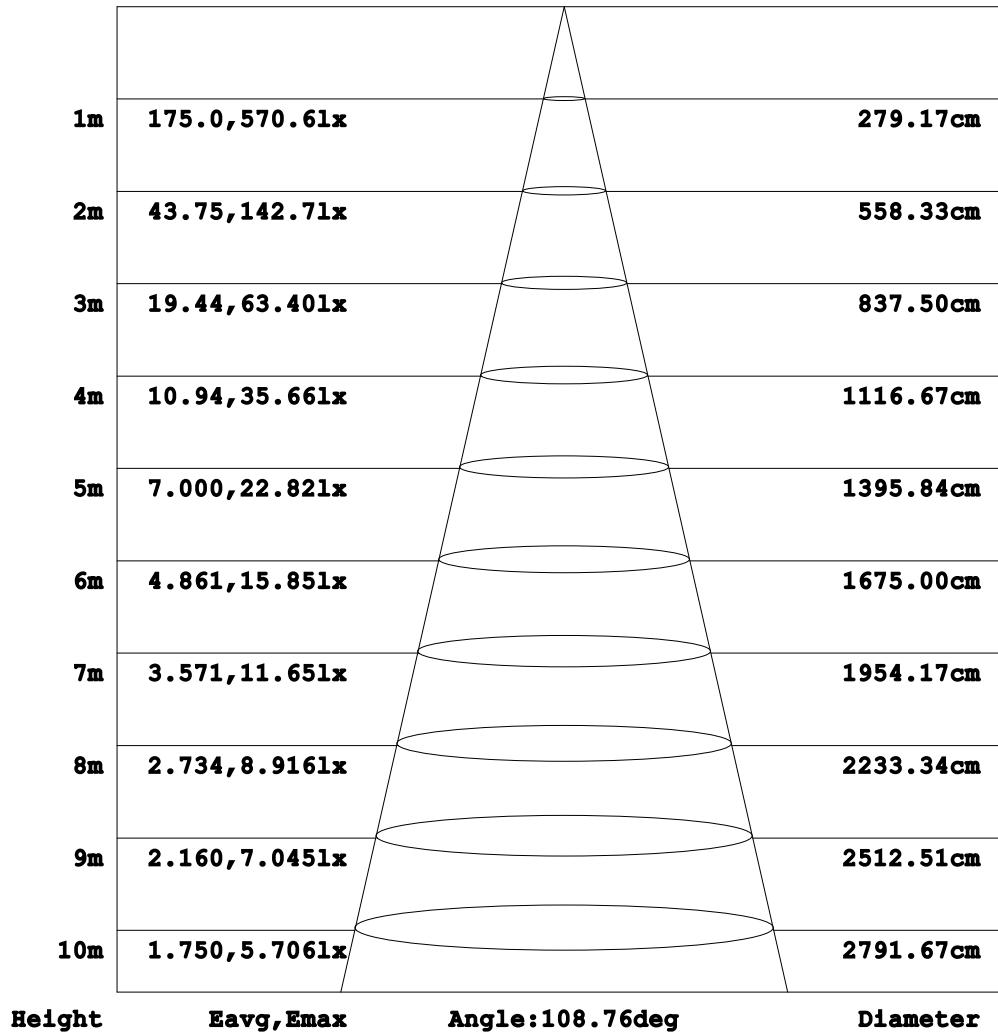
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:240.39V I:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

Flux out:1121 lm



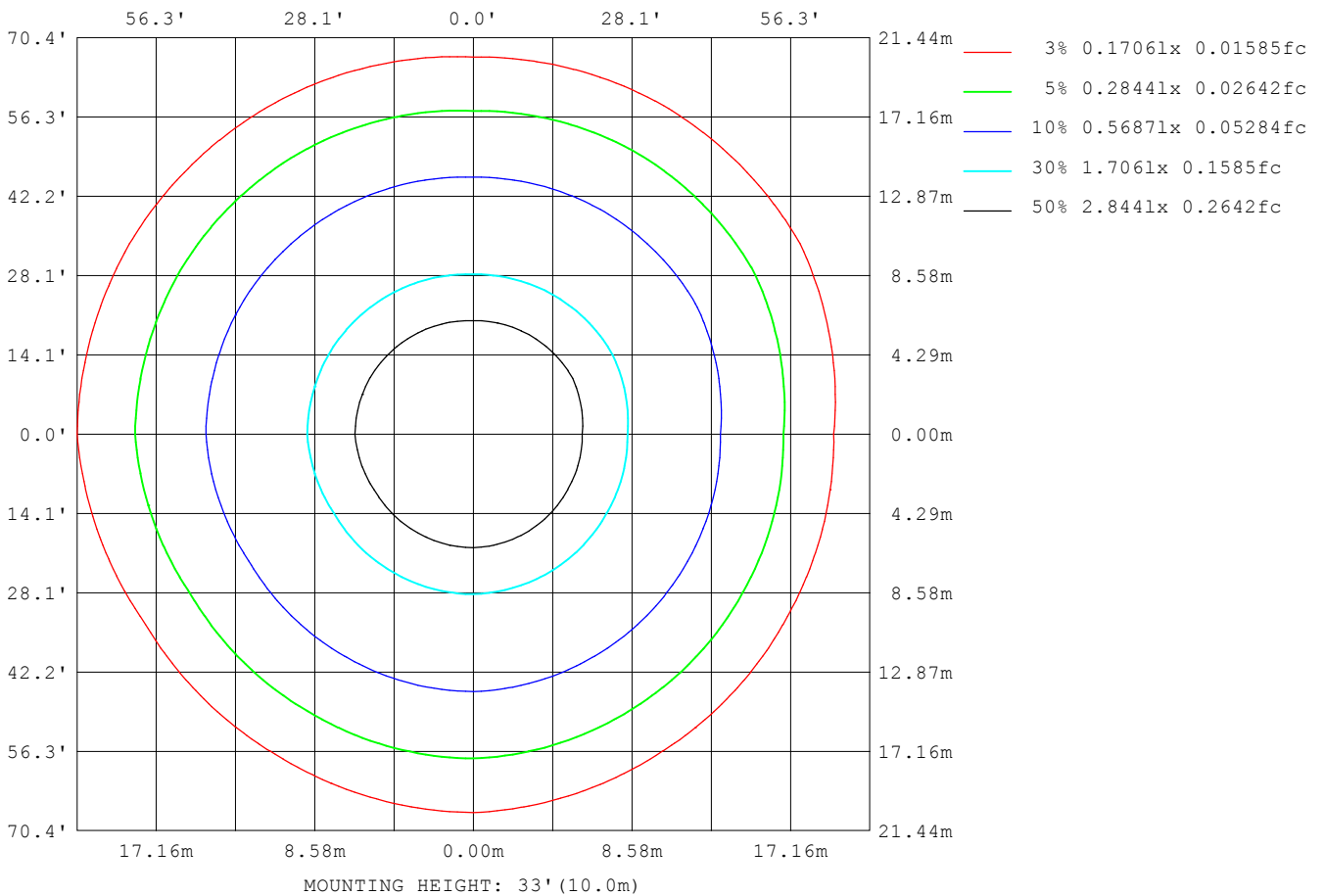
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 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:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 4000K	DIM.: 320x320x82.3mm	SERIAL No.:
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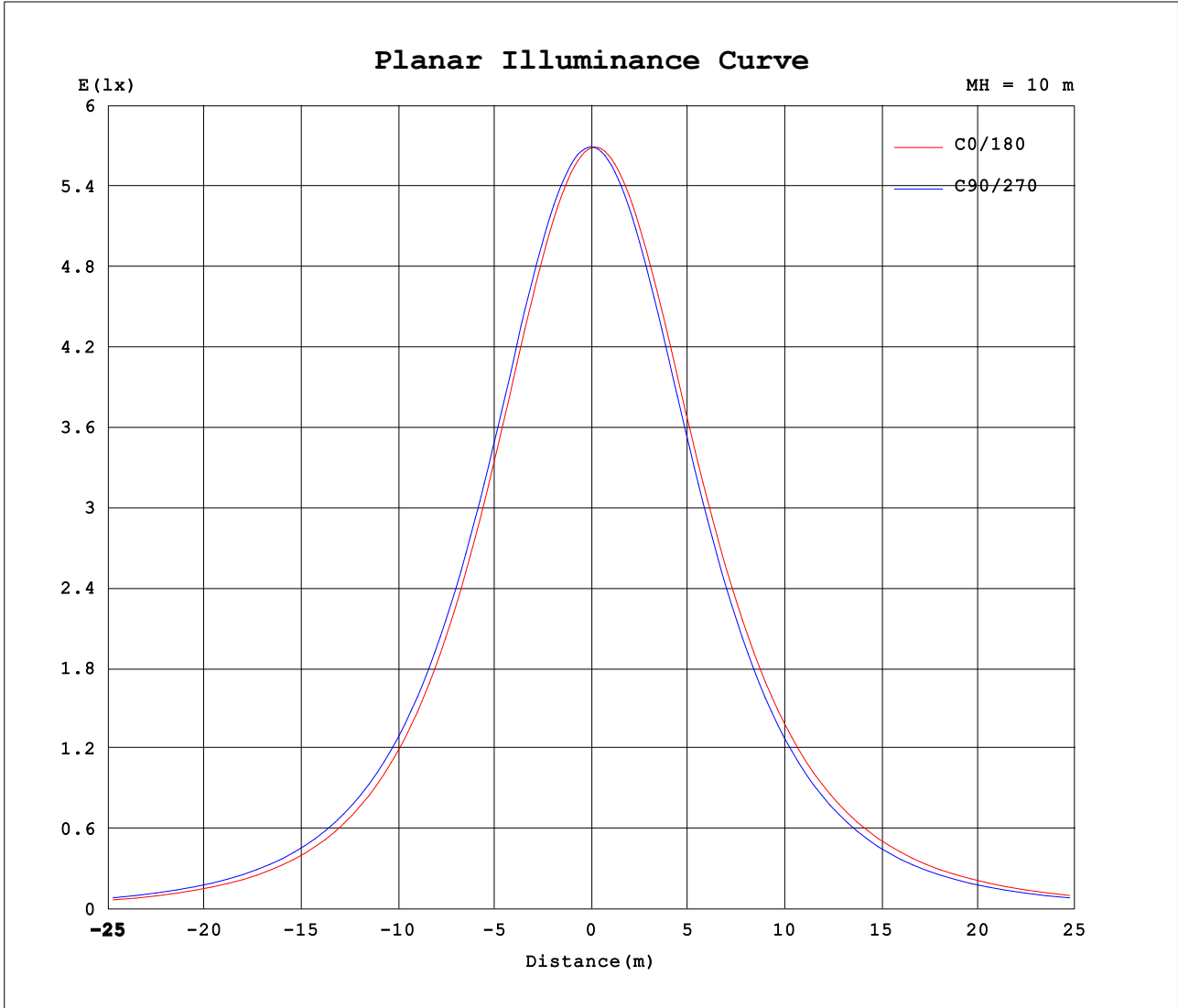
AvgL	cd/m2
L_0~180 (65) av	4566
L_0~180 (75) av	4209
L_0~180 (85) av	5116
L_90~270 (65) av	4521
L_90~270 (75) av	4052
L_90~270 (85) av	4667
L_45 (65) av	4539
L_45 (75) av	4086
L_45 (85) av	4782

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
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 Temperature:25.3DEG  
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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  
 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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.39V I:0.1097A P:15.672W PF:0.5943 Freq:49.99Hz Lamp Flux:1624.72x1 lm		
NAME: S18432-4K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 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	569	569	569	569	570	571	569	569	569	569	570	571							
5	561	563	565	567	567	568	570	570	568	566	568	567							
10	548	551	554	558	558	559	566	564	561	557	559	559							
15	530	533	538	544	543	545	555	553	548	542	545	544							
20	507	509	517	525	524	526	539	536	530	522	526	525							
25	479	482	491	498	499	499	517	514	505	497	499	500							
30	448	451	461	469	469	470	491	488	478	468	471	471							
35	413	416	427	437	436	438	461	458	447	436	438	438							
40	375	379	390	402	400	403	428	424	412	400	403	403							
45	335	339	351	363	362	365	392	387	375	361	365	364							
50	293	298	310	323	321	324	353	348	335	321	324	323							
55	249	254	266	280	278	282	312	307	293	278	282	281							
60	205	210	221	237	233	238	270	263	250	234	239	236							
65	160	165	176	192	189	194	226	219	206	190	194	192							
70	118	122	132	148	145	149	181	175	162	146	150	147							
75	80.3	82.7	91.3	106	103	107	138	131	119	104	108	105							
80	49.4	51.7	58.1	69.7	66.3	70.2	97.0	91.8	80.6	67.7	70.8	69.1							
85	26.4	28.6	33.8	41.7	39.0	41.6	62.8	58.9	49.5	39.7	41.9	40.9							
90	12.0	13.5	15.7	20.7	20.0	22.1	36.2	33.8	27.3	19.0	20.8	20.2							
95	4.59	5.09	6.01	7.54	7.94	9.24	18.3	16.2	12.0	6.35	7.60	7.01							
100	2.32	2.44	2.70	2.92	2.84	3.44	8.16	6.50	3.37	2.00	2.35	2.39							
105	2.49	2.44	2.37	2.48	2.57	2.55	3.61	2.70	1.85	1.79	1.78	1.86							
110	2.97	2.77	2.70	2.77	2.82	2.87	2.61	2.32	2.08	2.10	2.06	2.23							
115	3.49	3.17	3.09	3.10	3.17	3.19	2.98	2.76	2.47	2.50	2.45	2.61							
120	4.05	3.72	3.54	3.49	3.57	3.55	3.53	3.15	2.90	2.91	2.86	3.08							
125	4.53	4.24	4.01	3.89	3.94	3.95	4.10	3.60	3.30	3.29	3.26	3.57							
130	4.88	4.80	4.43	4.29	4.34	4.52	4.67	4.08	3.78	3.73	3.70	4.08							
135	5.26	5.41	4.91	4.70	4.72	5.20	5.10	4.62	4.27	4.16	4.15	4.68							
140	5.71	5.97	5.50	5.13	5.17	5.97	5.46	5.22	4.78	4.61	4.66	5.28							
145	6.12	6.55	6.16	5.84	5.97	6.63	5.89	5.78	5.39	5.02	5.02	5.60							
150	6.44	6.86	6.83	6.70	6.84	7.08	6.35	6.34	5.99	5.64	5.59	5.78							
155	6.98	7.31	7.51	7.58	7.55	7.41	6.92	6.83	6.61	6.44	6.27	6.08							
160	7.54	7.69	7.98	7.97	7.86	7.78	7.45	7.32	7.06	6.80	6.74	6.49							
165	8.00	7.99	8.23	8.12	8.10	8.07	7.96	7.80	7.51	7.14	6.99	6.81							
170	8.35	8.26	8.45	8.27	8.40	8.51	8.27	8.39	8.12	7.60	7.41	7.22							
175	9.29	9.26	9.43	9.67	9.89	9.73	8.95	9.16	9.64	9.74	9.64	8.91							
180	9.37	9.54	9.92	9.90	10.1	9.76	9.38	9.55	9.91	9.91	10.1	9.75							

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