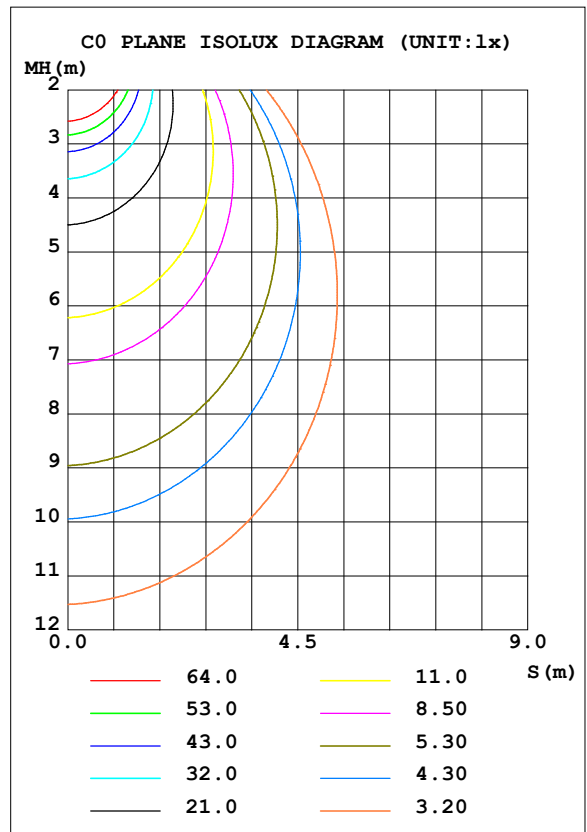
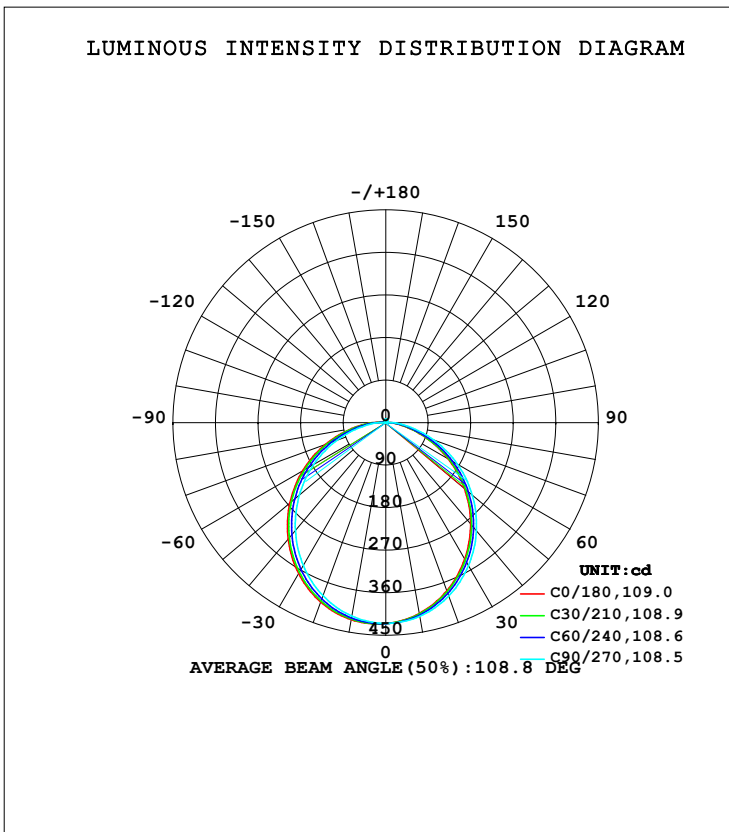


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432-最小-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.90 lm/W			
MODEL	S18432-最小-3K	I _{max} (cd)	426.6	S/MH (C0/180)	1.29
NOMINAL POWER (W)	12.6221	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1210.5	η UP, DN (C0-180)	1.0, 46.7
NOMINAL FLUX (lm)	1210.5	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 51.2
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.384	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:

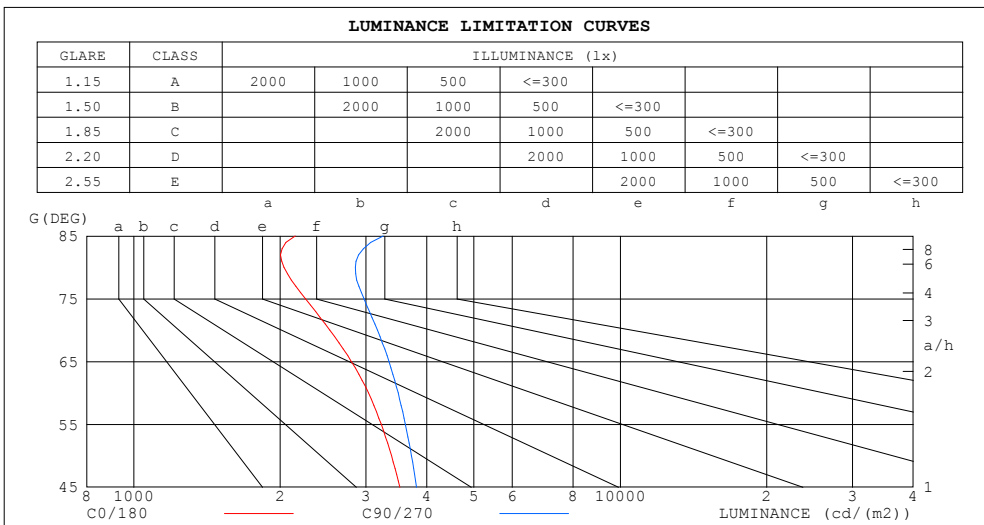
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	☉ zone	☉ total	lum, lamp
10	409.7	412.0	416.0	416.4	423.2	420.6	415.3	417.6	0- 10	40.18	40.18	3.32,3.32
20	378.4	382.4	390.1	390.2	403.6	398.9	389.5	392.4	10- 20	114.4	154.6	12.8,12.8
30	333.9	339.2	349.9	349.6	368.7	362.2	349.1	352.5	20- 30	171.5	326.1	26.9,26.9
40	279.2	285.8	298.5	297.9	321.5	313.5	297.6	301.2	30- 40	204.1	530.2	43.8,43.8
50	217.7	224.9	239.2	238.3	265.2	256.1	238.8	242.4	40- 50	208.8	738.9	61,61
60	151.9	158.7	174.7	173.5	202.6	193.1	175.3	178.5	50- 60	186.5	925.4	76.5,76.5
70	86.53	92.36	108.4	106.9	136.4	127.2	109.7	112.3	60- 70	141.3	1067	88.1,88.1
80	35.33	39.03	49.53	47.94	72.93	65.36	50.75	52.42	70- 80	83.75	1151	95,95
90	8.458	9.430	12.94	12.70	26.58	22.84	14.23	15.05	80- 90	34.08	1185	97.9,97.9
100	1.908	1.899	1.864	1.686	5.446	3.740	1.476	1.701	90-100	7.608	1192	98.5,98.5
110	2.496	2.224	2.194	2.198	1.812	1.630	1.613	1.599	100-110	2.023	1194	98.7,98.7
120	3.364	3.022	2.766	2.853	2.862	2.362	2.192	2.280	110-120	2.287	1197	98.8,98.8
130	4.014	3.993	3.460	3.754	3.808	3.203	2.826	3.017	120-130	2.764	1199	99.1,99.1
140	4.733	4.994	4.709	4.855	4.544	4.144	3.502	3.771	130-140	3.047	1202	99.3,99.3
150	5.591	5.947	6.019	6.024	5.297	5.115	4.568	4.271	140-150	3.047	1205	99.6,99.6
160	6.493	6.628	6.676	6.619	6.174	5.943	5.661	4.842	150-160	2.656	1208	99.8,99.8
170	7.092	6.810	6.971	6.954	6.685	6.607	6.069	5.259	160-170	1.778	1210	99.9,99.9
180	7.517	7.634	8.193	8.076	7.517	7.630	8.185	8.072	170-180	0.6872	1211	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

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:

LUMINANCE LIMITATION CURVES

Test:U:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432-最小-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2146	3256
80	2035	2852
75	2255	2972
70	2530	3170
65	2799	3346
60	3037	3495
55	3228	3616
50	3387	3722
45	3524	3813

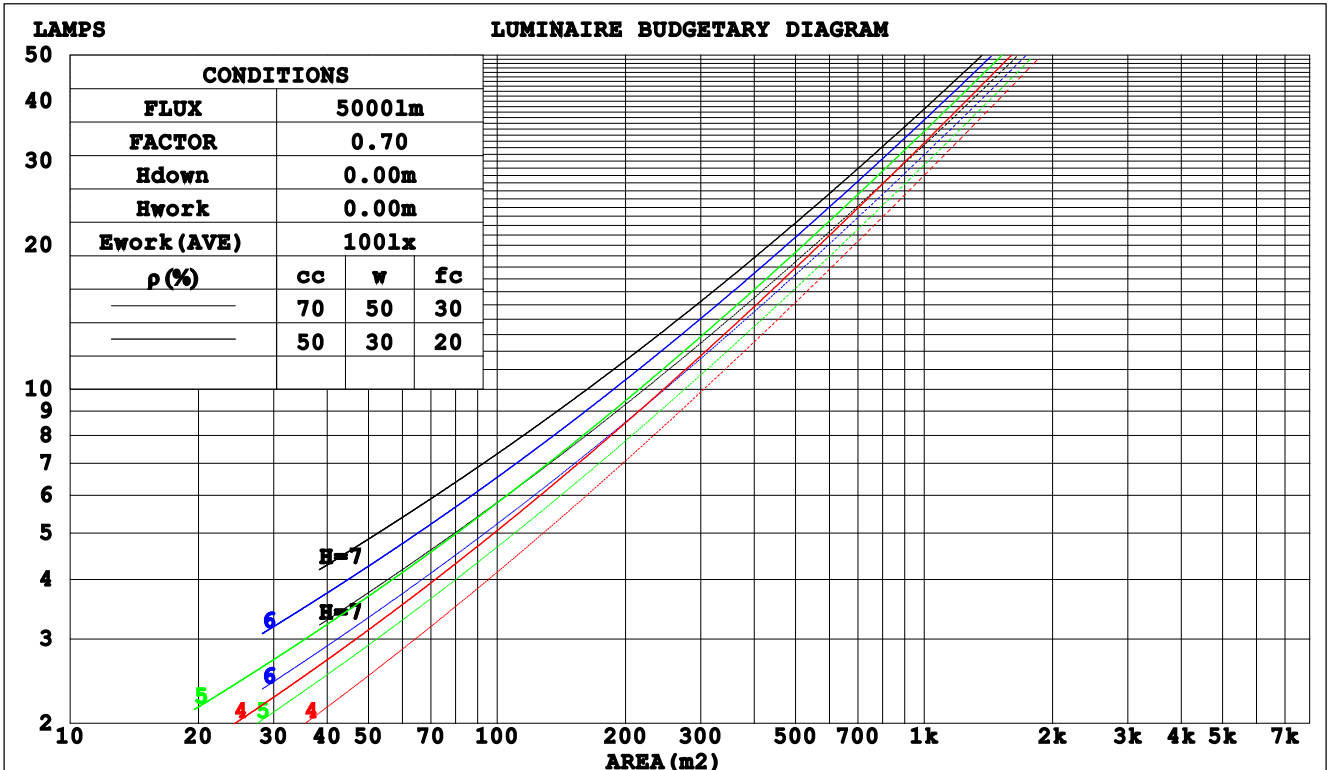
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-24

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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432-最小-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	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	.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	.46	.40	.51	.44	.39	.49	.43	.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	.41	.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: 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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432-最小-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	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	.317	.180	.057	.310	.177	.056	.295	.169	.054	.282	.163	.052	.269	.156	.050	
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.047	.263	.147	.046	.252	.142	.045	
3.0	.271	.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	.224	.120	.036	.215	.117	.036	
5.0	.230	.117	.034	.225	.116	.034	.216	.112	.033	.208	.110	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.105	.030	.201	.103	.030	.193	.100	.029	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027	
8.0	.185	.090	.025	.182	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.153	.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	.197	.173	.150	.169	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.114	.162	.128	.099	.111	.088	.069	.064	.051	.040	.021	.017	.013	
3.0	.181	.131	.091	.155	.113	.079	.107	.078	.055	.062	.046	.033	.020	.015	.011	
4.0	.174	.118	.075	.149	.102	.065	.102	.071	.046	.059	.042	.027	.019	.014	.009	
5.0	.166	.107	.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	.090	.056	.031	.052	.033	.018	.017	.011	.006	
8.0	.146	.086	.046	.125	.075	.040	.087	.053	.028	.050	.031	.017	.016	.010	.006	
9.0	.139	.081	.042	.120	.071	.037	.083	.050	.026	.048	.029	.016	.016	.010	.005	
10.0	.134	.077	.039	.115	.067	.034	.080	.047	.024	.047	.028	.015	.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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm										
NAME: S18432-最小-3K					TYPE:LED CEILING LAMP			WEIGHT:		
SPEC.:12W 3000K					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	16.4	17.9	16.7	18.1	18.3	16.9	18.4	17.2	18.6	18.8
3H	17.6	19.0	17.9	19.3	19.5	18.3	19.7	18.7	20.0	20.3
4H	18.1	19.4	18.4	19.7	20.0	18.9	20.2	19.3	20.5	20.8
6H	18.4	19.6	18.8	20.0	20.3	19.4	20.6	19.8	21.0	21.3
8H	18.5	19.7	18.9	20.0	20.4	19.6	20.8	20.0	21.1	21.5
12H	18.6	19.8	19.0	20.1	20.4	19.8	20.9	20.2	21.3	21.6
4H 2H	16.9	18.3	17.3	18.5	18.8	17.3	18.6	17.7	18.9	19.2
3H	18.4	19.5	18.7	19.8	20.2	19.0	20.1	19.4	20.5	20.8
4H	18.9	20.0	19.3	20.3	20.7	19.7	20.7	20.1	21.1	21.5
6H	19.4	20.3	19.8	20.7	21.1	20.3	21.2	20.7	21.6	22.0
8H	19.5	20.4	20.0	20.8	21.3	20.6	21.4	21.0	21.8	22.3
12H	19.7	20.5	20.2	20.9	21.4	20.8	21.6	21.3	22.0	22.5
8H 4H	19.2	20.0	19.6	20.4	20.9	19.9	20.7	20.3	21.1	21.6
6H	19.8	20.5	20.2	20.9	21.4	20.6	21.3	21.1	21.8	22.2
8H	20.0	20.7	20.5	21.1	21.6	21.0	21.6	21.5	22.1	22.6
12H	20.3	20.8	20.8	21.3	21.8	21.3	21.9	21.8	22.4	22.9
12H 4H	19.2	20.0	19.6	20.4	20.9	19.8	20.6	20.3	21.1	21.5
6H	19.8	20.5	20.3	20.9	21.4	20.6	21.3	21.1	21.7	22.2
8H	20.1	20.7	20.7	21.2	21.7	21.0	21.6	21.6	22.1	22.6
Variations with the observer position at spacings:										
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, 1211 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.7)
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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432- 最小 -3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

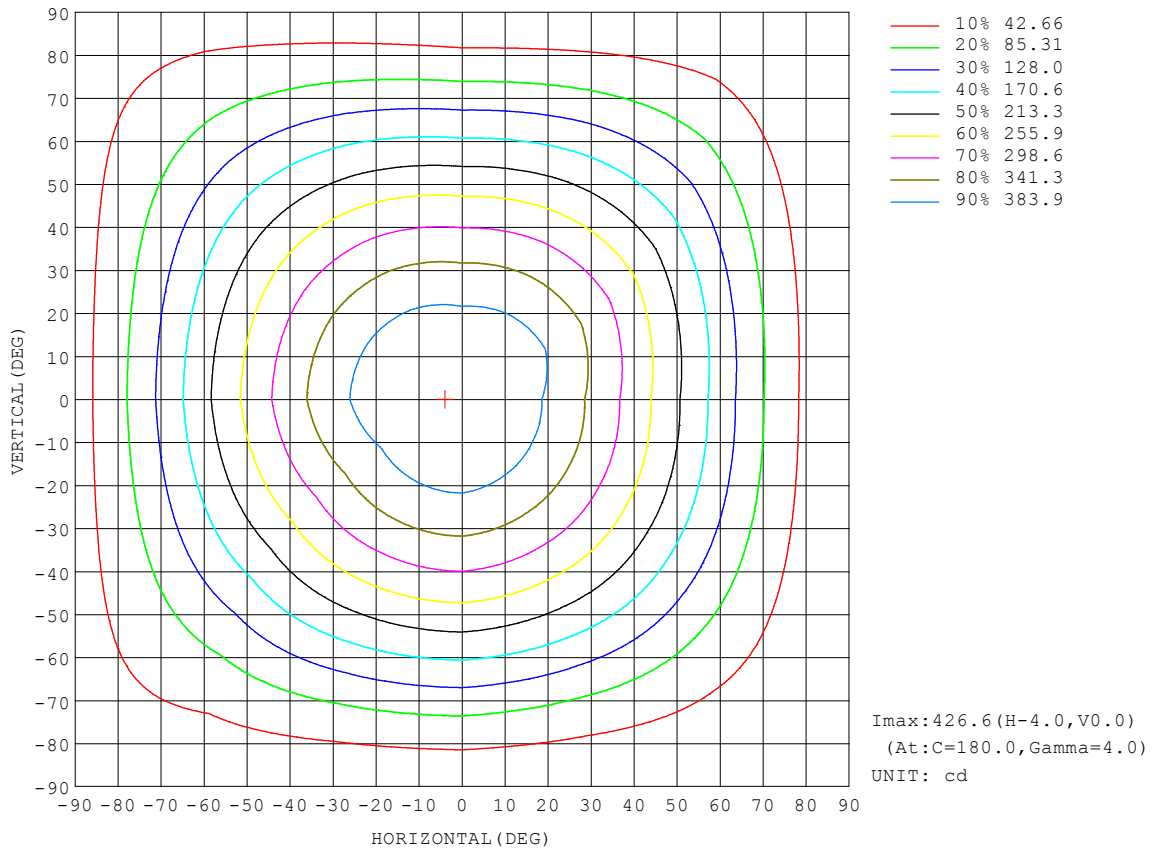
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	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

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:

ISOCANDELA DIAGRAM

Test:U:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432-最小-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



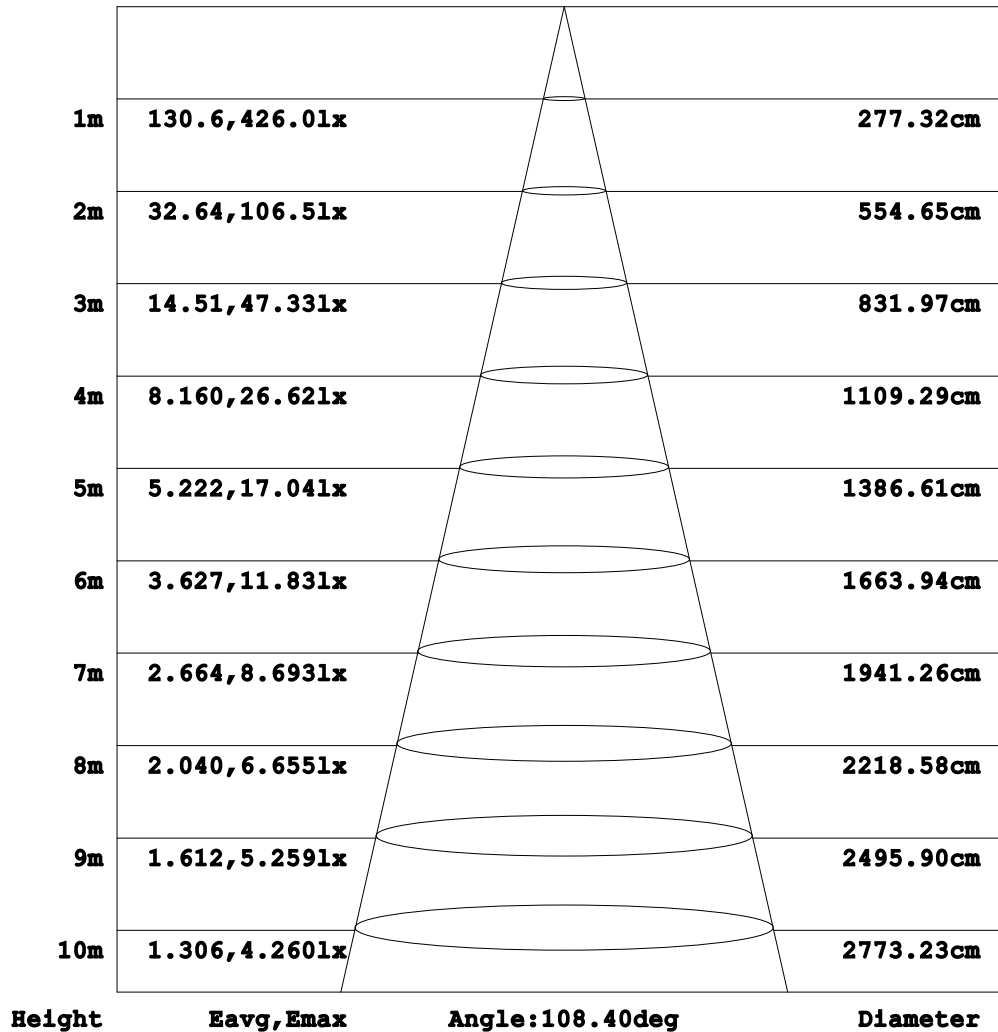
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-24

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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432- 最小 -3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

Flux out:836.6 lm



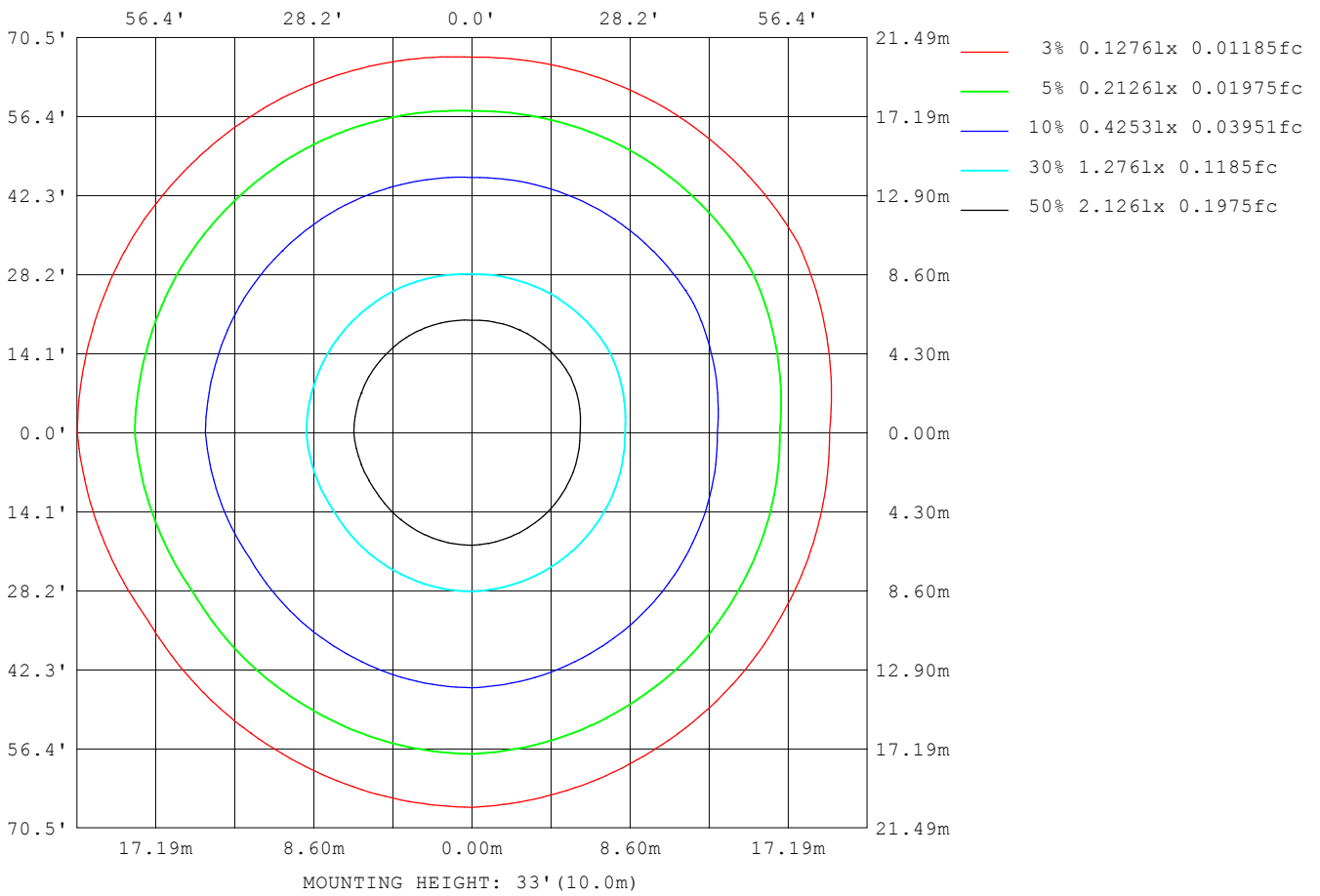
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432- 最小 -3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432- 最小 -3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

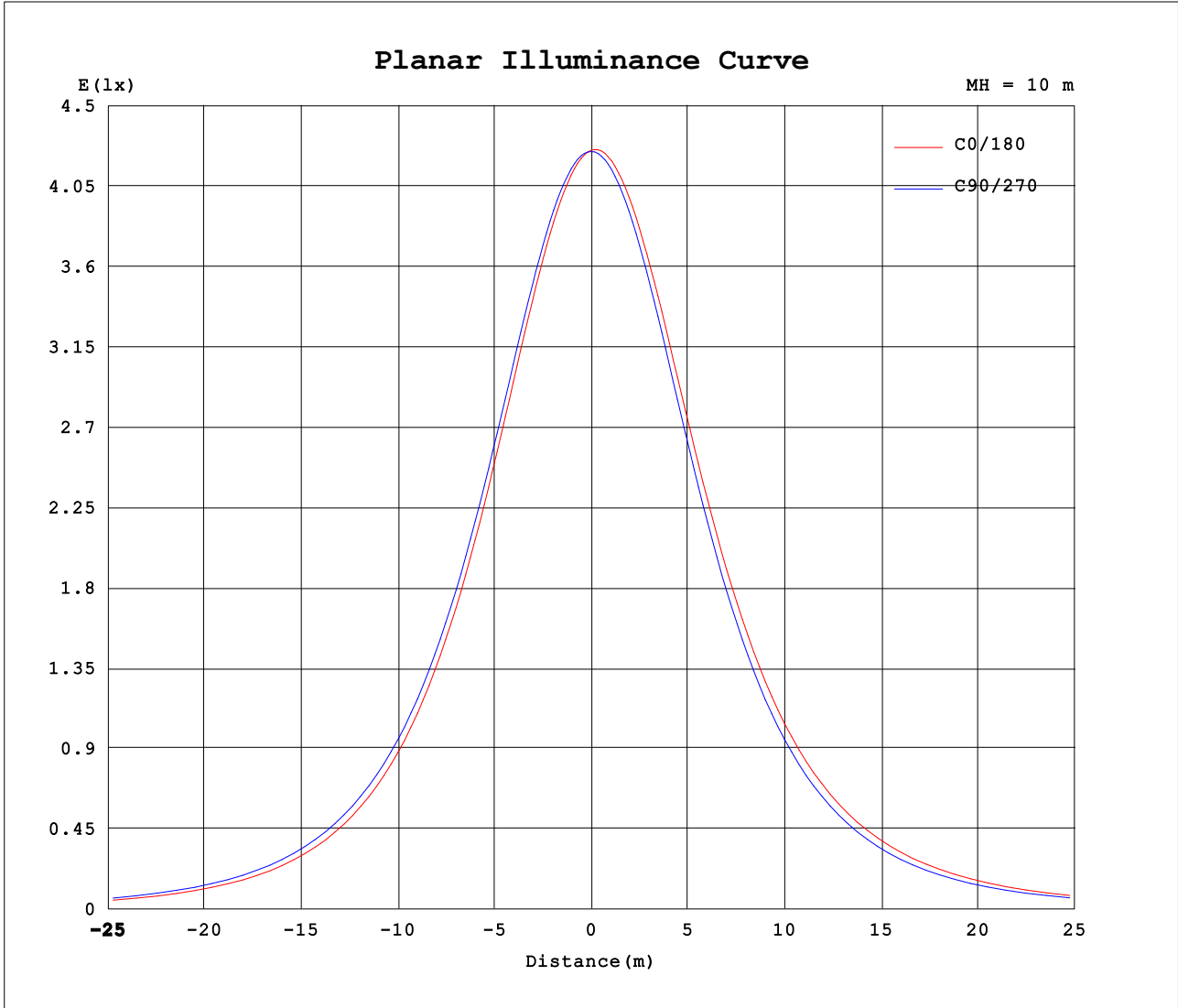
AvgL	cd/m2
L_0~180 (65) av	3406
L_0~180 (75) av	3126
L_0~180 (85) av	3755
L_90~270 (65) av	3359
L_90~270 (75) av	3000
L_90~270 (85) av	3306
L_45 (65) av	3375
L_45 (75) av	3026
L_45 (85) av	3430

Standard: GB/T 29293-2012

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:

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:240.38V I:0.0908A P:12.622W PF:0.5783 Freq:50.00Hz Lamp Flux:1210.5x1 lm		
NAME: S18432-最小-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:12W 3000K	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	425	425	425	425	426	426	425	425	425	425	426	426							
5	420	420	421	422	423	424	426	426	424	422	424	424							
10	410	411	413	416	416	416	423	422	419	415	418	418							
15	396	397	401	405	405	405	415	414	410	404	407	407							
20	378	380	384	390	390	390	404	401	397	390	392	392							
25	358	360	365	372	371	372	388	385	379	371	374	374							
30	334	336	342	350	349	350	369	365	359	349	352	353							
35	308	311	317	325	324	326	346	343	335	325	328	328							
40	279	283	289	299	297	299	321	318	309	298	301	301							
45	249	253	260	270	268	270	294	290	281	269	272	273							
50	218	221	229	239	237	239	265	261	252	239	242	242							
55	185	188	196	207	205	207	235	230	220	208	211	211							
60	152	155	163	175	172	175	203	198	188	175	179	178							
65	118	121	129	141	139	141	170	165	155	143	146	145							
70	86.5	88.6	96.1	108	106	108	136	132	123	110	113	112							
75	58.4	59.8	65.8	76.9	74.1	76.4	103	99.2	90.6	78.4	81.0	80.3							
80	35.3	36.8	41.3	49.5	46.9	49.0	72.9	69.3	61.4	50.7	52.5	52.3							
85	18.7	19.7	23.1	28.4	26.6	27.8	46.7	44.4	37.4	29.3	30.3	30.6							
90	8.46	9.05	9.81	12.9	12.1	13.3	26.6	25.2	20.4	14.2	15.0	15.1							
95	3.39	3.44	3.43	3.76	3.24	4.61	13.0	12.0	9.07	4.63	5.23	5.52							
100	1.91	1.90	1.90	1.86	1.68	1.69	5.45	4.80	2.68	1.48	1.59	1.81							
105	2.05	2.00	1.86	1.96	1.95	1.87	2.36	1.94	1.41	1.39	1.33	1.37							
110	2.50	2.27	2.18	2.19	2.22	2.18	1.81	1.68	1.58	1.61	1.56	1.64							
115	2.95	2.75	2.51	2.45	2.52	2.49	2.28	2.06	1.88	1.90	1.83	2.04							
120	3.36	3.18	2.86	2.77	2.78	2.92	2.86	2.52	2.20	2.19	2.15	2.41							
125	3.70	3.69	3.31	3.10	3.03	3.51	3.36	2.99	2.59	2.50	2.48	2.79							
130	4.01	4.18	3.81	3.46	3.36	4.15	3.81	3.43	2.97	2.83	2.84	3.19							
135	4.35	4.63	4.27	4.03	3.95	4.67	4.18	3.88	3.39	3.13	3.15	3.64							
140	4.73	5.09	4.90	4.71	4.59	5.12	4.54	4.35	3.94	3.50	3.45	4.09							
145	5.15	5.62	5.39	5.38	5.01	5.59	4.91	4.83	4.47	3.92	3.65	4.33							
150	5.59	6.02	5.88	6.02	5.99	6.06	5.30	5.26	4.97	4.57	4.13	4.41							
155	6.07	6.36	6.31	6.41	6.39	6.36	5.75	5.69	5.51	5.35	4.66	4.53							
160	6.49	6.64	6.61	6.68	6.60	6.64	6.17	6.07	5.82	5.66	4.99	4.70							
165	6.85	6.78	6.75	6.88	6.74	6.75	6.48	6.35	6.16	5.83	5.14	4.86							
170	7.09	6.85	6.77	6.97	6.88	7.02	6.68	6.67	6.55	6.07	5.41	5.11							
175	7.57	7.20	7.34	8.03	8.18	7.96	7.08	7.23	7.81	8.24	7.94	7.13							
180	7.52	7.43	7.84	8.19	8.33	7.82	7.52	7.43	7.83	8.18	8.32	7.82							

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