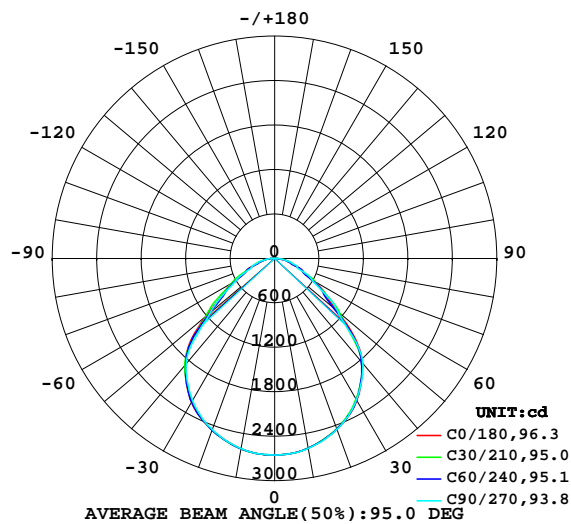


LUMINAIRE PHOTOMETRIC TEST REPORT

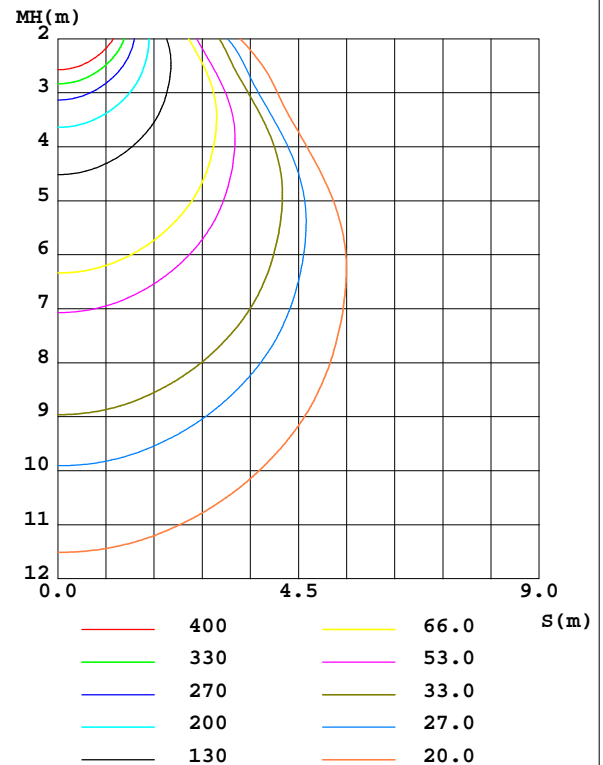
Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 116.00 lm/W
MODEL		Imax(cd)	2653	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	55	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6060.7	η UP,DN(C0-180)	0.2,48.6	
NOMINAL FLUX(lm)	6060.74	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,50.9	
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	229.5	η down(%)	99.6	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:2024-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.100m [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	2600	2600	2604	2591	2609	2611	2607	2619	0- 10	251.1	251.1	4.14,4.14
20	2453	2450	2456	2434	2465	2467	2460	2483	10- 20	717.3	968.4	16,16
30	2216	2203	2206	2180	2244	2235	2214	2257	20- 30	1084	2052	33.9,33.9
40	1838	1827	1848	1795	1876	1881	1859	1905	30- 40	1281	3333	55,55
50	1100	1098	1116	1064	1204	1179	1128	1215	40- 50	1173	4506	74.3,74.3
60	589.6	601.4	584.6	577.3	649.3	642.7	607.3	664.2	50- 60	765.0	5271	87,87
70	303.0	306.3	330.1	293.7	341.7	328.0	329.8	339.4	60- 70	443.6	5714	94.3,94.3
80	138.9	144.7	146.5	135.7	160.2	156.3	151.5	172.2	70- 80	242.1	5956	98.3,98.3
90	0.8860	0.8814	0.8558	0.9101	2.526	3.905	1.160	9.770	80- 90	77.36	6034	99.6,99.6
100	1.931	1.933	1.844	2.002	1.932	1.893	1.913	1.809	90-100	1.604	6035	99.6,99.6
110	3.453	3.448	3.329	3.517	3.366	3.290	3.296	3.184	100-110	2.765	6038	99.6,99.6
120	4.789	4.787	4.723	4.838	4.663	4.600	4.562	4.487	110-120	4.017	6042	99.7,99.7
130	5.514	5.563	5.516	5.563	5.378	5.307	5.259	5.222	120-130	4.565	6047	99.8,99.8
140	5.914	5.961	5.944	5.955	5.748	5.648	5.606	5.570	130-140	4.341	6051	99.8,99.8
150	6.597	6.657	6.650	6.692	6.459	6.332	6.303	6.226	140-150	3.802	6055	99.9,99.9
160	7.158	7.217	7.151	7.228	7.097	7.009	6.950	6.931	150-160	3.147	6058	100,100
170	7.520	7.520	7.540	7.502	7.522	7.399	7.461	7.341	160-170	2.061	6060	100,100
180	7.771	7.678	7.731	7.657	7.769	7.679	7.731	7.655	170-180	0.7212	6061	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 3967.4 lm

%lum = 65.5%

%lamp = 65.5%

Conical surface Flux(130deg): 5523.7 lm

%lum = 91.1%

%lamp = 91.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:Mr.Ma
 Test Date:2024-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz
Lamp Flux:6060.74x1 lm

NAME: LED348 (55W 3000K Uplight off)

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

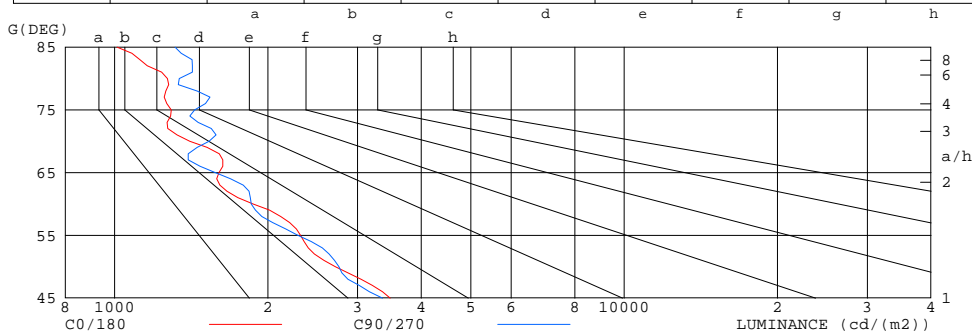
MFR.:

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



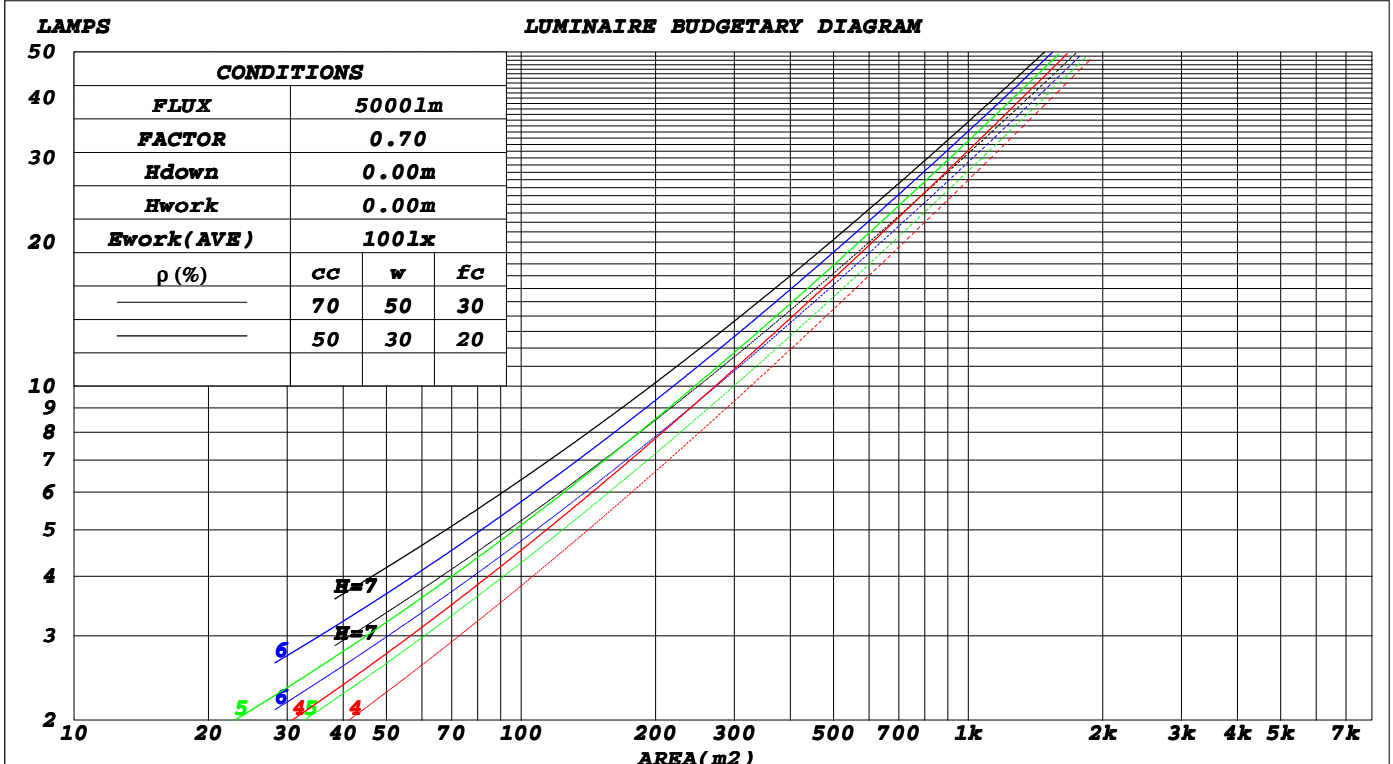
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	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 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	1.02	1.02	1.02	.00
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.84	.76	.71	.82	.75	.70	.79	.73	.69	.77	.72	.67	.74	.70	.66	.64
4.0	.75	.67	.61	.74	.66	.61	.71	.65	.60	.69	.63	.59	.67	.62	.58	.56
5.0	.68	.60	.53	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.51	.49
6.0	.62	.53	.47	.61	.53	.47	.59	.52	.47	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.48	.42	.55	.48	.42	.54	.47	.42	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm					
NAME: LED348 (55W 3000K Uplight off)			TYPE:		WEIGHT:
SPEC.:			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	.270	.153	.049	.263	.150	.048	.249	.143	.046	.237	.137	.044	.226	.131	.042		
2.0	.257	.141	.043	.251	.138	.043	.239	.133	.041	.228	.128	.040	.218	.124	.039		
3.0	.241	.128	.038	.235	.126	.038	.225	.122	.037	.216	.118	.036	.207	.115	.035		
4.0	.225	.117	.034	.220	.115	.034	.211	.112	.033	.203	.109	.033	.195	.106	.032		
5.0	.210	.107	.031	.206	.106	.031	.198	.103	.030	.191	.101	.030	.184	.098	.029		
6.0	.197	.099	.028	.193	.098	.028	.186	.095	.028	.179	.093	.027	.173	.091	.027		
7.0	.185	.091	.026	.181	.090	.026	.175	.089	.025	.169	.087	.025	.163	.085	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.083	.024	.160	.081	.023	.155	.079	.023		
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.151	.076	.022	.147	.074	.022		
10.0	.155	.074	.021	.153	.074	.021	.148	.072	.020	.143	.071	.020	.139	.070	.020		

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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.181	.160	.141	.155	.137	.121	.106	.094	.084	.061	.055	.049	.020	.018	.016	
2.0	.171	.136	.106	.146	.117	.091	.100	.081	.064	.058	.047	.037	.019	.015	.012	
3.0	.162	.118	.082	.139	.101	.071	.096	.070	.050	.055	.041	.029	.018	.013	.010	
4.0	.154	.104	.065	.132	.090	.057	.091	.063	.040	.053	.037	.024	.017	.012	.008	
5.0	.147	.093	.054	.126	.081	.047	.087	.056	.033	.050	.033	.020	.016	.011	.006	
6.0	.140	.085	.045	.120	.073	.039	.083	.051	.028	.048	.030	.016	.016	.010	.005	
7.0	.134	.078	.039	.115	.067	.034	.079	.047	.024	.046	.028	.014	.015	.009	.005	
8.0	.128	.072	.034	.110	.062	.029	.076	.044	.021	.044	.026	.012	.014	.008	.004	
9.0	.122	.067	.030	.105	.058	.026	.073	.041	.019	.042	.024	.011	.014	.008	.004	
10.0	.117	.063	.027	.101	.054	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm										
NAME: LED348 (55W 3000K Uplight off)					TYPE:			WEIGHT:		
SPEC.:					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	9.0	10.4	9.2	10.6	10.8	8.8	10.2	9.0	10.4	10.6
3H	9.7	11.0	10.0	11.2	11.4	9.5	10.8	9.8	11.0	11.2
4H	10.0	11.2	10.3	11.4	11.7	9.9	11.1	10.2	11.3	11.6
6H	10.2	11.4	10.6	11.6	11.9	10.2	11.3	10.5	11.6	11.9
8H	10.3	11.4	10.7	11.7	12.0	10.3	11.4	10.7	11.7	12.0
12H	10.4	11.4	10.7	11.7	12.0	10.4	11.5	10.8	11.8	12.1
4H 2H	9.2	10.4	9.5	10.7	10.9	9.0	10.3	9.4	10.5	10.8
3H	10.1	11.2	10.5	11.5	11.8	10.0	11.0	10.3	11.3	11.6
4H	10.6	11.5	11.0	11.9	12.2	10.4	11.4	10.8	11.7	12.0
6H	11.0	11.8	11.4	12.2	12.5	10.9	11.8	11.3	12.1	12.5
8H	11.1	11.9	11.5	12.3	12.7	11.1	11.9	11.5	12.3	12.6
12H	11.2	11.9	11.6	12.3	12.7	11.2	12.0	11.7	12.4	12.8
8H 4H	10.7	11.5	11.2	11.9	12.3	10.6	11.4	11.0	11.7	12.1
6H	11.3	11.9	11.7	12.3	12.8	11.2	11.9	11.7	12.3	12.7
8H	11.5	12.1	12.0	12.5	13.0	11.5	12.1	11.9	12.5	12.9
12H	11.7	12.2	12.2	12.6	13.1	11.7	12.2	12.2	12.6	13.1
12H 4H	10.7	11.5	11.2	11.8	12.3	10.6	11.3	11.0	11.7	12.1
6H	11.3	11.9	11.8	12.3	12.8	11.3	11.8	11.7	12.3	12.7
8H	11.6	12.1	12.1	12.5	13.0	11.6	12.0	12.0	12.5	13.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.4 / - 0.4					+ 0.5 / - 0.6				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.2				
2.0H	+ 0.9 / - 0.8					+ 1.1 / - 0.9				

CIE Pub.117, 6061 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.3$)
 Area: 0.63 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:Mr.Ma
 Test Date:2024-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

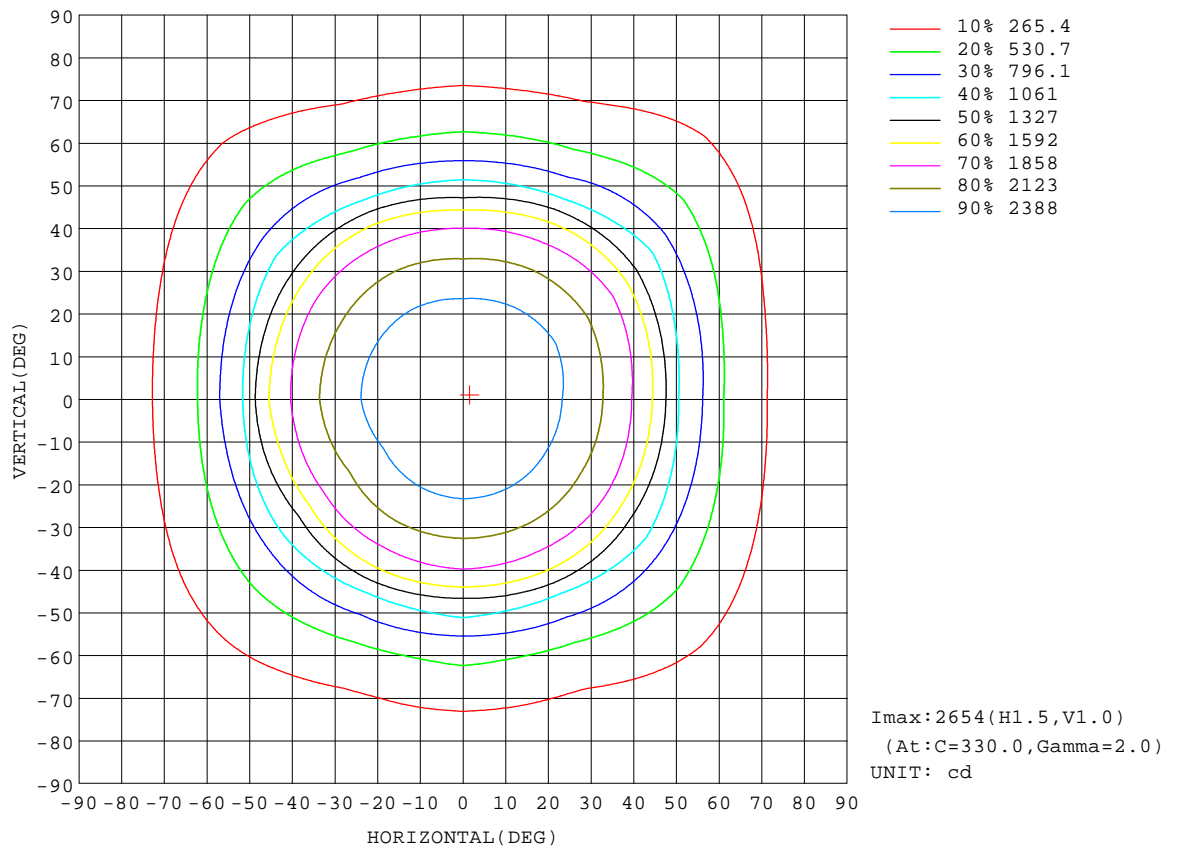
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	47	63	53	46	62	52	46	40
0.80	73	63	57	72	63	56	71	62	56	50
1.00	82	72	65	80	71	65	78	72	65	58
1.25	88	79	73	87	78	73	84	77	72	65
1.50	93	84	78	91	83	78	88	82	77	70
2.00	99	91	86	97	90	85	94	88	84	76
2.50	102	95	90	100	94	89	96	91	87	80
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	101	98	102	98	95	87
5.00	110	106	102	108	104	101	103	100	98	89
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: 25.3°C
Operators: Mr.Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



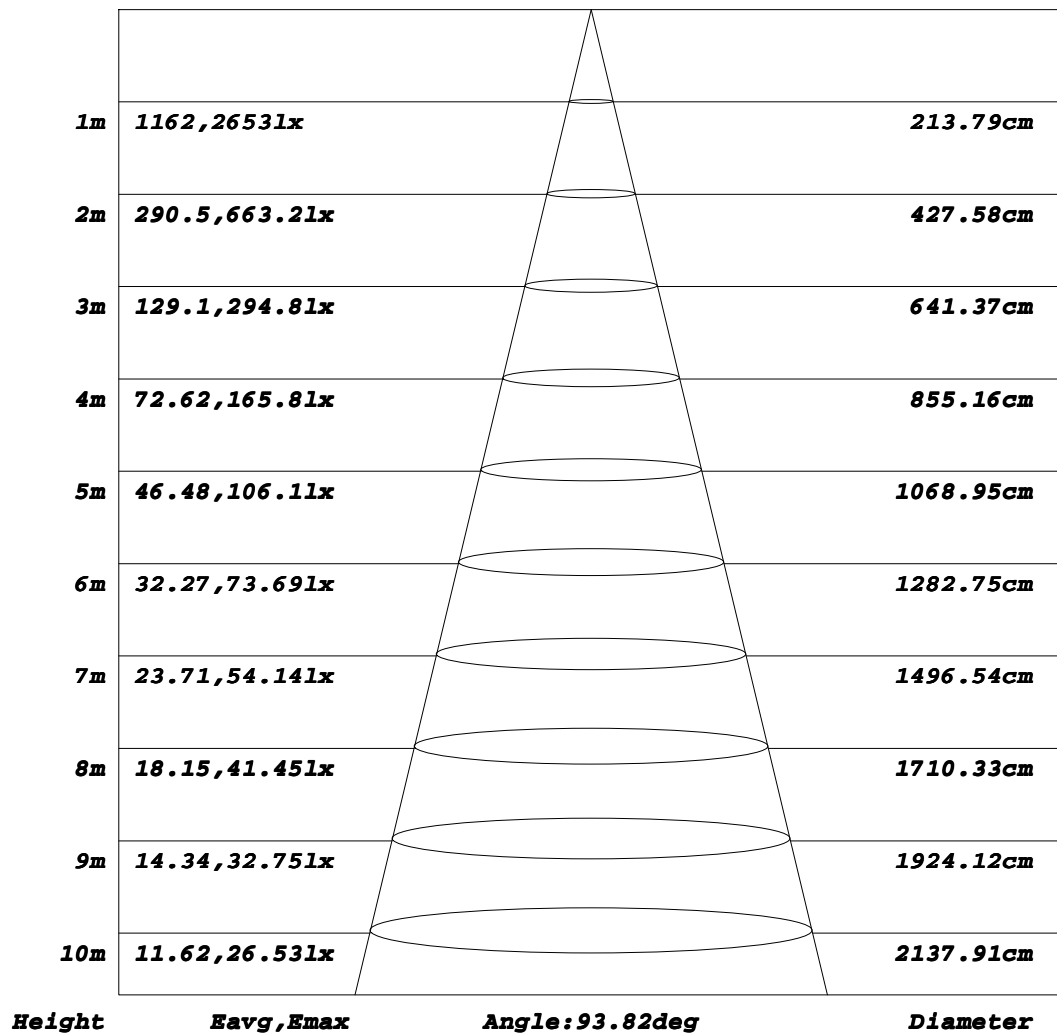
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:4198 lm



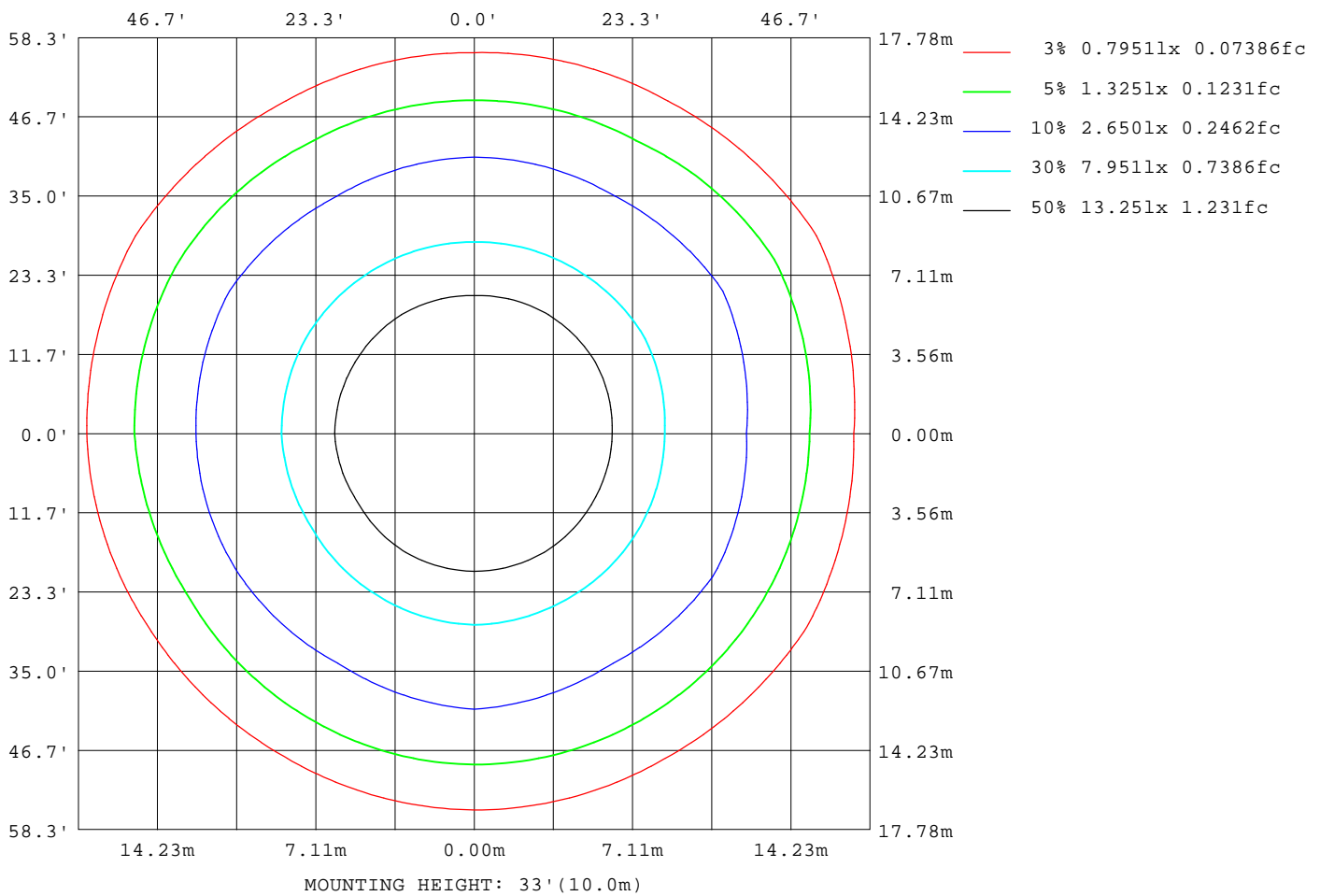
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr. Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm		
NAME: LED348 (55W 3000K Uplight off)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

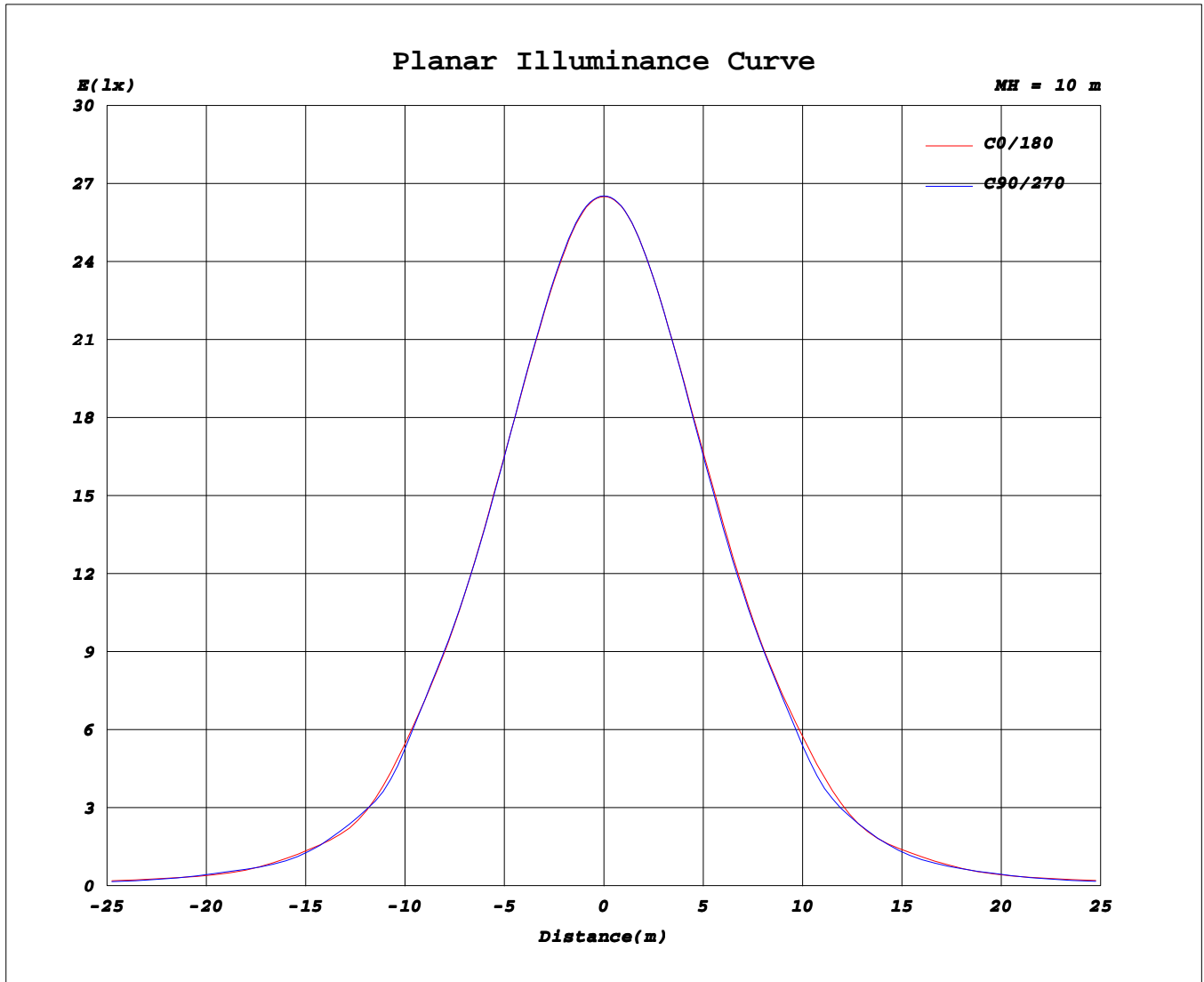
AvgL	cd/m2
L_0~180(65)av	1633
L_0~180(75)av	1336
L_0~180(85)av	1168
L_90~270(65)av	1606
L_90~270(75)av	1449
L_90~270(85)av	1370
L_45(65)av	1653
L_45(75)av	1409
L_45(85)av	1269

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Mr.Ma
Test Date:2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 2024-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:228.79V I:0.2353A P:52.246W PF:0.9705 Freq:50.00Hz Lamp Flux:6060.74x1 lm																	
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SPEC.:									DIM.:			SERIAL No.:					
MFR.:									SUR.:			Shielding Angle:					

Table--1

UNIT: cd

C(°) \ γ (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2652	2652	2652	2652	2652	2652	2652	2652	2652	2652	2652	2652						
5	2641	2641	2643	2643	2639	2635	2645	2645	2645	2643	2646	2650						
10	2600	2599	2600	2604	2595	2586	2609	2611	2610	2607	2614	2623						
15	2535	2534	2536	2540	2528	2516	2547	2549	2549	2544	2555	2567						
20	2453	2448	2451	2456	2442	2426	2465	2468	2467	2460	2475	2490						
25	2351	2338	2348	2349	2337	2310	2369	2364	2367	2353	2377	2392						
30	2216	2193	2213	2206	2199	2162	2244	2229	2240	2214	2252	2262						
35	2038	2030	2031	2040	2017	1993	2075	2067	2073	2051	2085	2105						
40	1838	1836	1818	1848	1802	1788	1876	1891	1870	1859	1882	1928						
45	1549	1466	1517	1494	1483	1403	1627	1596	1596	1524	1617	1663						
50	1100	1155	1042	1116	1021	1107	1204	1216	1142	1128	1169	1260						
55	838	847	796	828	780	799	864	937	823	848	827	994						
60	590	632	571	585	556	599	649	676	610	607	630	698						
65	427	417	418	420	409	400	442	483	430	435	431	523						
70	303	328	285	330	280	307	342	332	324	330	337	342						
75	211	243	210	234	212	223	225	244	224	239	219	261						
80	139	146	143	146	138	133	160	161	152	151	157	187						
85	55.6	62.2	58.6	72.2	53.0	47.8	72.7	84.0	70.9	78.3	76.3	104						
90	0.89	0.89	0.87	0.86	0.87	0.95	2.53	5.00	2.81	1.16	4.77	14.8						
95	1.30	1.33	1.28	1.25	1.32	1.44	1.34	1.34	1.31	1.36	1.28	1.25						
100	1.93	1.96	1.91	1.84	1.93	2.07	1.93	1.91	1.88	1.91	1.83	1.79						
105	2.67	2.71	2.63	2.57	2.67	2.83	2.63	2.60	2.55	2.58	2.49	2.44						
110	3.45	3.48	3.41	3.33	3.44	3.60	3.37	3.32	3.26	3.30	3.21	3.15						
115	4.18	4.19	4.16	4.08	4.16	4.31	4.06	4.02	3.95	4.00	3.90	3.84						
120	4.79	4.79	4.79	4.72	4.78	4.89	4.66	4.62	4.58	4.56	4.52	4.45						
125	5.22	5.23	5.27	5.19	5.24	5.31	5.10	5.05	5.01	4.98	4.97	4.89						
130	5.51	5.54	5.59	5.52	5.54	5.58	5.38	5.32	5.29	5.26	5.25	5.19						
135	5.73	5.75	5.80	5.75	5.76	5.79	5.57	5.51	5.47	5.44	5.43	5.39						
140	5.91	5.94	5.98	5.94	5.95	5.96	5.75	5.67	5.62	5.61	5.58	5.56						
145	6.15	6.18	6.21	6.18	6.21	6.22	5.96	5.88	5.82	5.81	5.76	5.76						
150	6.60	6.66	6.65	6.65	6.68	6.70	6.46	6.38	6.28	6.30	6.22	6.23						
155	6.92	6.99	6.94	6.95	7.00	6.98	6.83	6.74	6.69	6.67	6.61	6.64						
160	7.16	7.24	7.20	7.15	7.27	7.19	7.10	7.01	7.01	6.95	6.91	6.95						
165	7.35	7.44	7.35	7.33	7.43	7.33	7.32	7.23	7.22	7.26	7.13	7.18						
170	7.52	7.57	7.47	7.54	7.54	7.47	7.52	7.42	7.38	7.46	7.32	7.37						
175	7.69	7.67	7.57	7.66	7.62	7.58	7.67	7.58	7.54	7.63	7.51	7.52						
180	7.77	7.71	7.64	7.73	7.67	7.64	7.77	7.72	7.64	7.73	7.67	7.64						

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