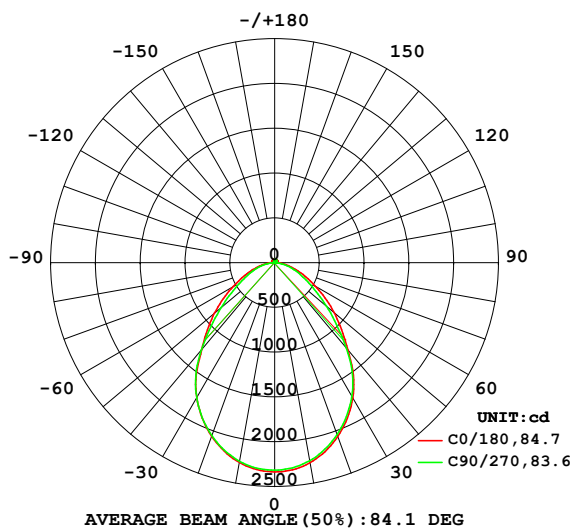


LUMINAIRE PHOTOMETRIC TEST REPORT

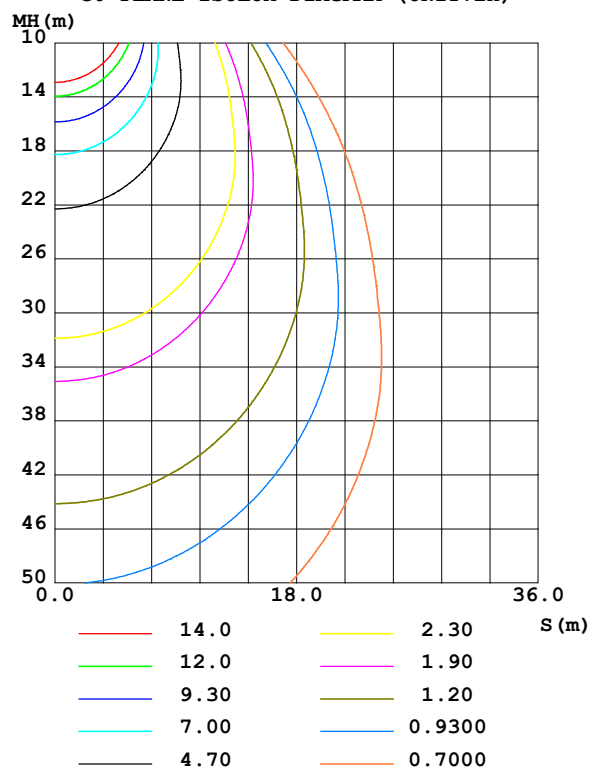
Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 119.69 lm/W
MODEL		I _{max} (cd)	2336	S/MH(C0/180)	1.13	
NOMINAL POWER(W)	40.5	LOR(%)	100.0	S/MH(C90/270)	1.14	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4766.8	η UP,DN(C0-180)	1.7,48.1	
NOMINAL FLUX(lm)	4766.77	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,48.5	
LAMPS INSIDE	1	η up (%)	3.3	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	230	η down (%)	96.7	CIBSE SHR MAX	1.15	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [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
10	2269	2256	2247	2243	2266	2260	2253	2243	0- 10	218.3	218.3	4.58
20	2064	2048	2041	2039	2062	2060	2054	2040	10- 20	609.5	827.8	17.4
30	1745	1728	1724	1718	1740	1743	1742	1720	20- 30	874.7	1702	35.7
40	1275	1259	1247	1241	1270	1274	1275	1244	30- 40	943.0	2646	55.5
50	867.4	821.5	757.3	792.4	877.5	842.5	779.4	791.8	40- 50	788.3	3434	72
60	523.7	487.4	425.5	459.0	533.0	498.1	444.1	456.0	50- 60	568.5	4002	84
70	280.1	264.8	230.9	259.7	293.4	276.2	244.8	256.0	60- 70	359.3	4362	91.5
80	114.3	97.26	82.66	110.5	129.0	115.0	88.97	99.72	70- 80	189.6	4551	95.5
90	32.26	19.22	2.926	25.86	40.19	25.60	2.524	20.06	80- 90	57.36	4609	96.7
100	27.01	18.71	5.186	23.58	34.12	23.11	4.487	18.63	90-100	21.02	4630	97.1
110	27.95	20.83	8.972	25.27	34.39	24.86	7.952	20.27	100-110	21.68	4651	97.6
120	29.34	23.14	13.42	27.13	34.10	25.70	12.17	21.87	110-120	22.41	4674	98
130	31.52	26.33	18.56	30.34	36.71	29.30	16.82	25.16	120-130	22.59	4696	98.5
140	33.57	29.23	23.64	32.92	38.05	31.93	21.91	28.19	130-140	22.03	4718	99
150	35.11	30.39	28.59	34.98	38.69	34.04	26.65	30.33	140-150	19.54	4738	99.4
160	36.10	32.34	33.37	36.45	38.58	35.75	31.96	32.16	150-160	15.40	4753	99.7
170	36.13	35.00	36.73	36.90	37.24	36.78	36.08	34.13	160-170	9.985	4763	99.9
180	38.69	37.82	37.97	37.68	38.79	37.92	38.00	37.71	170-180	3.514	4767	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3064.8 lm

%lum = 64.3%

%lamp = 64.3%

Conical surface Flux(120deg): 4002.3 lm

%lum = 84.0%

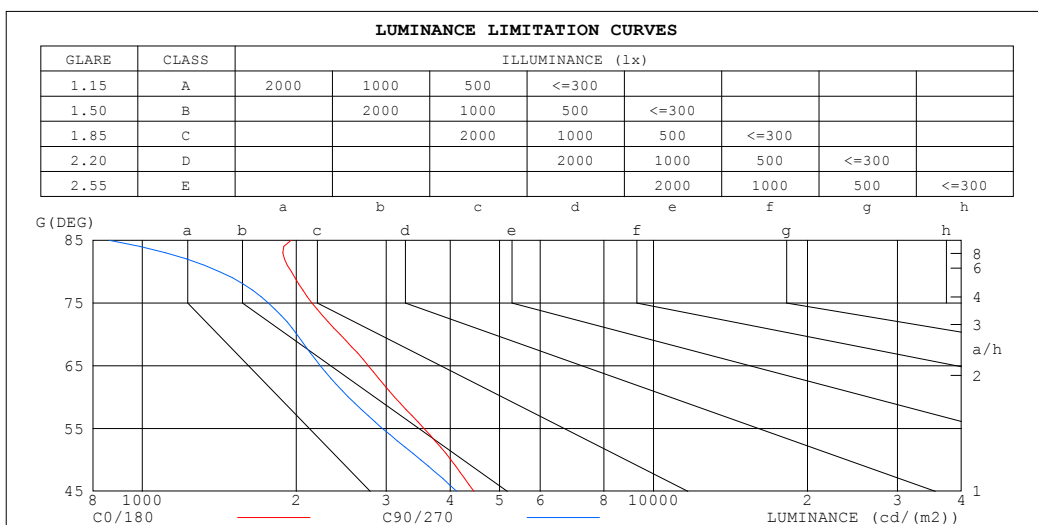
%lamp = 84.0%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1953	862
80	1957	1415
75	2147	1764
70	2436	2007
65	2768	2228
60	3114	2531
55	3555	2950
50	4013	3503
45	4450	4118

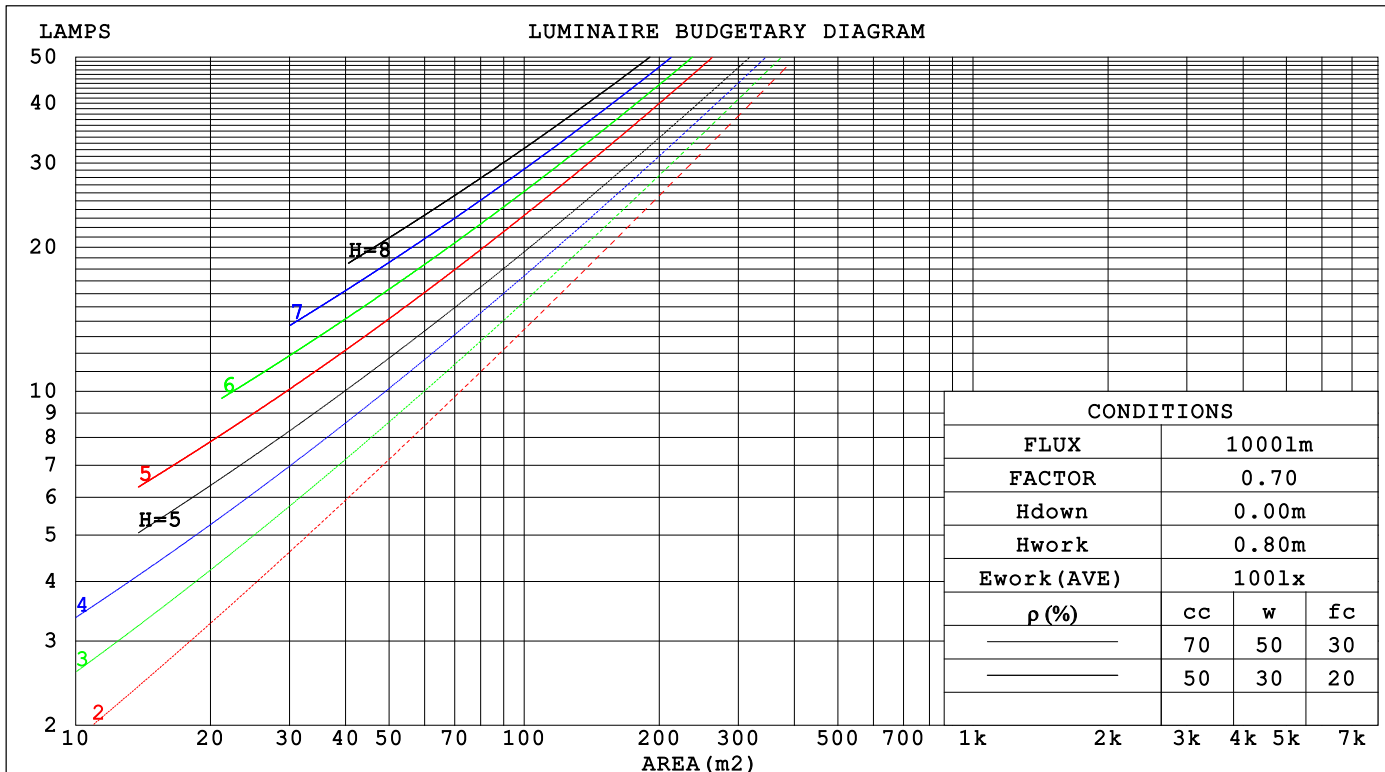
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	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 Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.05	1.02	.98	1.03	.99	.96	.98	.95	.93	.94	.91	.89	.89	.88	.86	.84
2.0	.94	.88	.83	.91	.86	.81	.87	.83	.79	.84	.80	.77	.80	.77	.75	.72
3.0	.84	.76	.71	.82	.75	.70	.78	.73	.68	.75	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.74	.66	.61	.71	.65	.60	.68	.63	.58	.66	.61	.57	.55
5.0	.68	.60	.54	.67	.59	.53	.64	.58	.53	.62	.56	.52	.60	.55	.51	.49
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.46	.55	.50	.46	.44
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.51	.45	.41	.39
8.0	.52	.44	.39	.51	.44	.39	.50	.43	.38	.48	.42	.38	.47	.41	.37	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.32
10.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.35	.31	.30



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	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	.267	.152	.048	.259	.148	.047	.244	.140	.045	.231	.133	.043	.218	.126	.041		
2.0	.254	.139	.043	.247	.136	.042	.234	.130	.040	.222	.124	.039	.210	.119	.038		
3.0	.238	.126	.038	.231	.124	.037	.220	.119	.036	.209	.115	.035	.199	.110	.034		
4.0	.222	.115	.034	.216	.113	.033	.206	.109	.033	.196	.105	.032	.187	.102	.031		
5.0	.207	.105	.031	.202	.104	.030	.193	.100	.030	.184	.097	.029	.176	.094	.028		
6.0	.194	.097	.028	.189	.096	.028	.181	.093	.027	.173	.090	.026	.166	.087	.026		
7.0	.182	.090	.025	.178	.089	.025	.170	.086	.025	.163	.084	.024	.157	.081	.024		
8.0	.171	.083	.023	.167	.082	.023	.161	.080	.023	.154	.078	.023	.148	.076	.022		
9.0	.161	.078	.022	.158	.077	.022	.152	.075	.021	.146	.073	.021	.141	.071	.021		
10.0	.152	.073	.020	.149	.072	.020	.144	.070	.020	.139	.069	.020	.134	.067	.019		

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	.216	.216	.216	.184	.184	.184	.126	.126	.126	.072	.072	.072	.023	.023	.023		
1.0	.203	.182	.163	.174	.156	.140	.119	.107	.097	.068	.062	.056	.022	.020	.018		
2.0	.193	.158	.128	.165	.136	.111	.113	.094	.077	.065	.055	.045	.021	.018	.015		
3.0	.184	.140	.105	.158	.121	.091	.108	.084	.064	.063	.049	.038	.020	.016	.012		
4.0	.176	.126	.088	.151	.109	.077	.104	.076	.054	.060	.045	.032	.019	.015	.011		
5.0	.169	.116	.077	.145	.100	.067	.100	.070	.047	.058	.041	.028	.019	.013	.009		
6.0	.162	.107	.068	.139	.093	.059	.096	.065	.042	.056	.038	.025	.018	.012	.008		
7.0	.155	.100	.062	.133	.087	.054	.092	.061	.038	.054	.036	.023	.017	.012	.007		
8.0	.149	.094	.057	.128	.082	.050	.089	.057	.035	.052	.034	.021	.017	.011	.007		
9.0	.143	.089	.053	.124	.078	.046	.086	.055	.033	.050	.032	.020	.016	.011	.006		
10.0	.138	.085	.050	.119	.074	.044	.083	.052	.031	.048	.031	.018	.016	.010	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm										
NAME: LED612-W34KA-D (40W 1050mA 4000K)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.3363			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	16.2	17.5	16.5	17.7	18.0	16.0	17.3	16.3	17.6	17.9
3H	17.1	18.3	17.5	18.6	18.9	16.8	18.1	17.2	18.3	18.6
4H	17.5	18.7	17.9	19.0	19.3	17.1	18.3	17.5	18.6	18.9
6H	17.8	18.9	18.2	19.2	19.5	17.3	18.4	17.7	18.7	19.1
8H	17.9	18.9	18.3	19.3	19.6	17.3	18.4	17.7	18.7	19.1
12H	18.0	19.0	18.4	19.3	19.7	17.3	18.3	17.7	18.7	19.0
4H 2H	16.5	17.7	16.9	18.0	18.3	16.4	17.5	16.7	17.8	18.2
3H	17.6	18.6	18.0	19.0	19.4	17.4	18.4	17.8	18.8	19.1
4H	18.1	19.1	18.6	19.4	19.8	17.8	18.7	18.3	19.1	19.5
6H	18.6	19.4	19.0	19.8	20.2	18.1	18.9	18.5	19.3	19.7
8H	18.7	19.4	19.2	19.9	20.3	18.2	18.9	18.6	19.3	19.8
12H	18.8	19.5	19.3	19.9	20.4	18.2	18.8	18.6	19.3	19.8
8H 4H	18.3	19.0	18.7	19.4	19.9	18.0	18.7	18.4	19.2	19.6
6H	18.8	19.4	19.3	19.9	20.4	18.4	19.0	18.9	19.4	19.9
8H	19.0	19.6	19.5	20.0	20.6	18.5	19.0	19.0	19.5	20.0
12H	19.2	19.7	19.7	20.2	20.7	18.5	19.0	19.0	19.5	20.0
12H 4H	18.3	18.9	18.7	19.4	19.9	18.0	18.7	18.5	19.1	19.6
6H	18.8	19.4	19.3	19.8	20.4	18.4	18.9	18.9	19.4	19.9
8H	19.1	19.5	19.6	20.0	20.6	18.5	19.0	19.0	19.5	20.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.4				
2.0H	+ 0.6 / - 0.6					+ 0.6 / - 0.9				

CIE Pub.117, 4767 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.4$)
Area: 0.3363 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

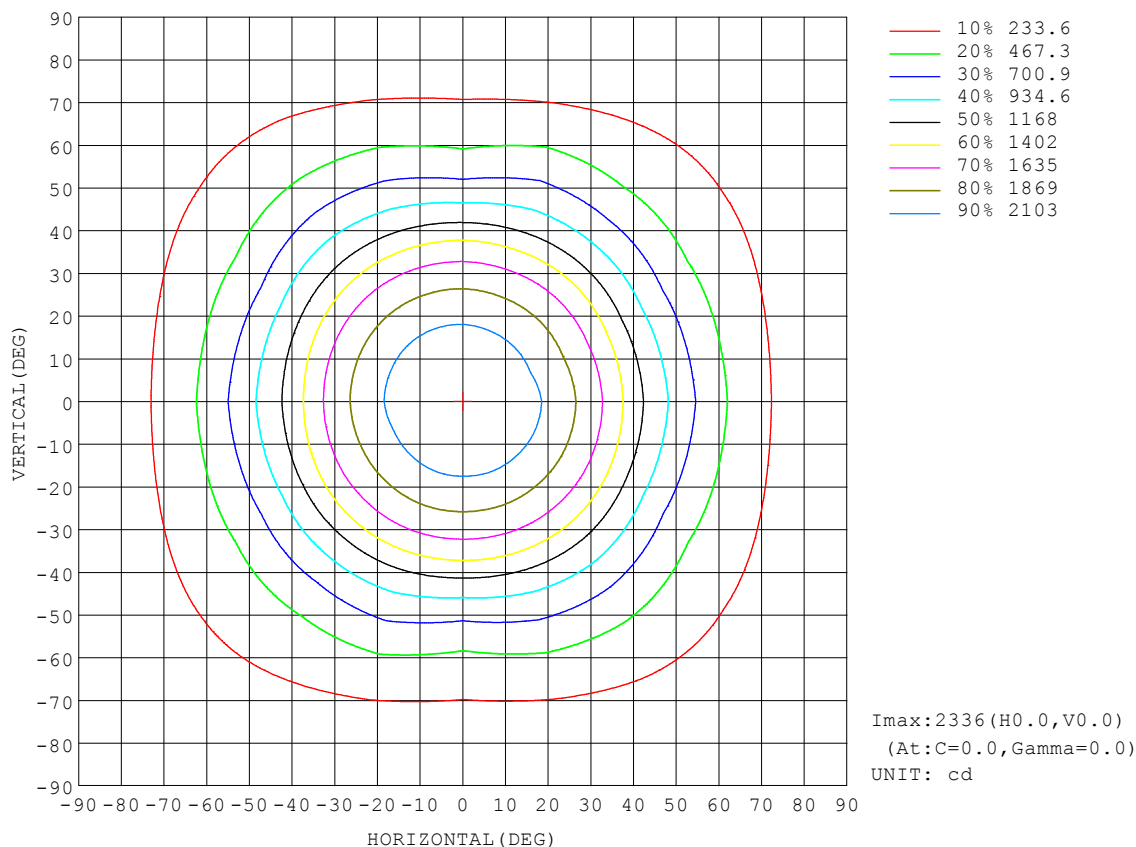
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	47	63	53	47	62	53	47	41
0.80	74	63	57	72	63	57	71	62	56	50
1.00	81	72	65	80	71	65	78	72	64	58
1.25	88	79	73	86	78	72	83	76	71	64
1.50	92	84	78	90	83	77	87	81	76	69
2.00	98	91	85	96	89	84	92	87	82	75
2.50	101	95	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	97	93	90	81
4.00	107	103	99	105	101	97	100	97	94	84
5.00	110	105	102	107	103	100	102	99	96	87
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

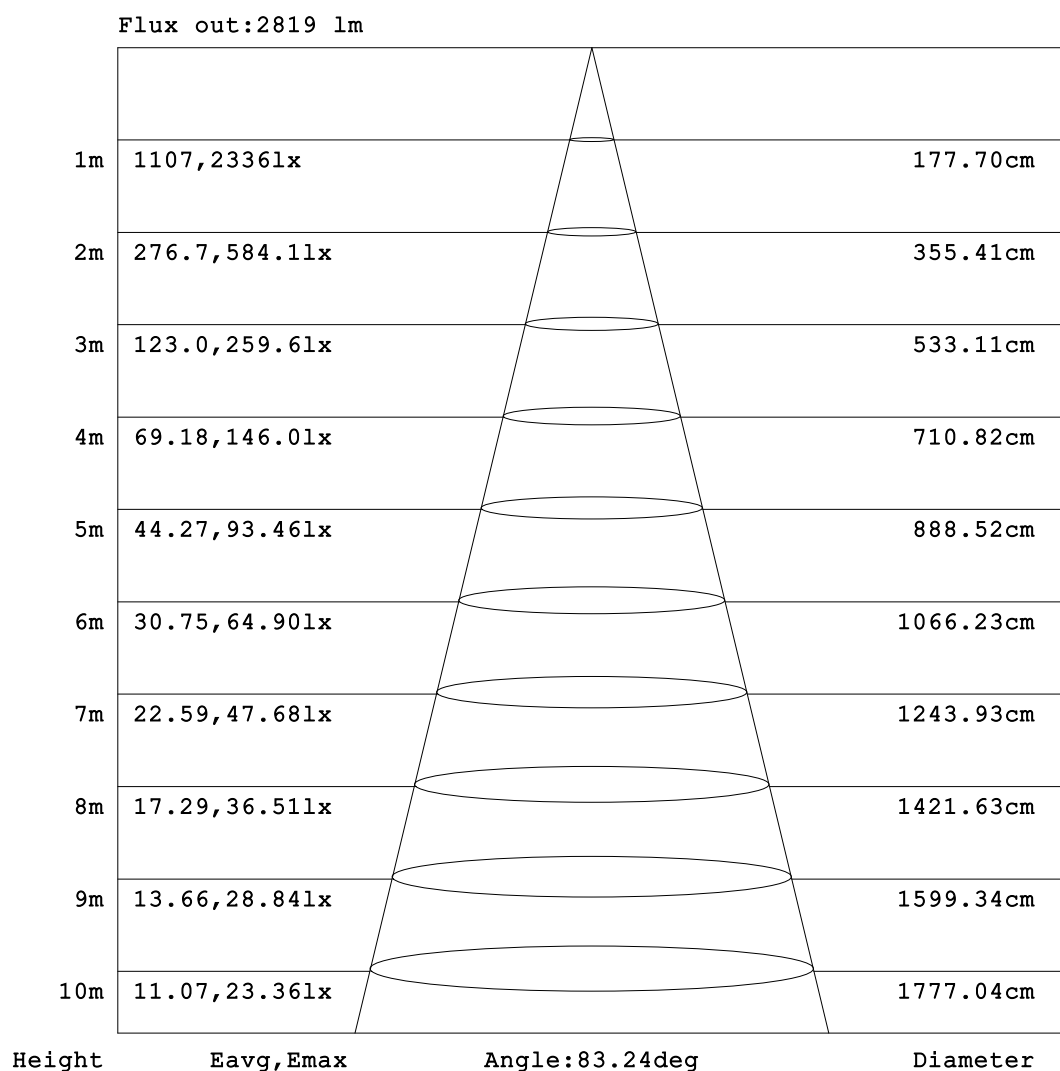


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



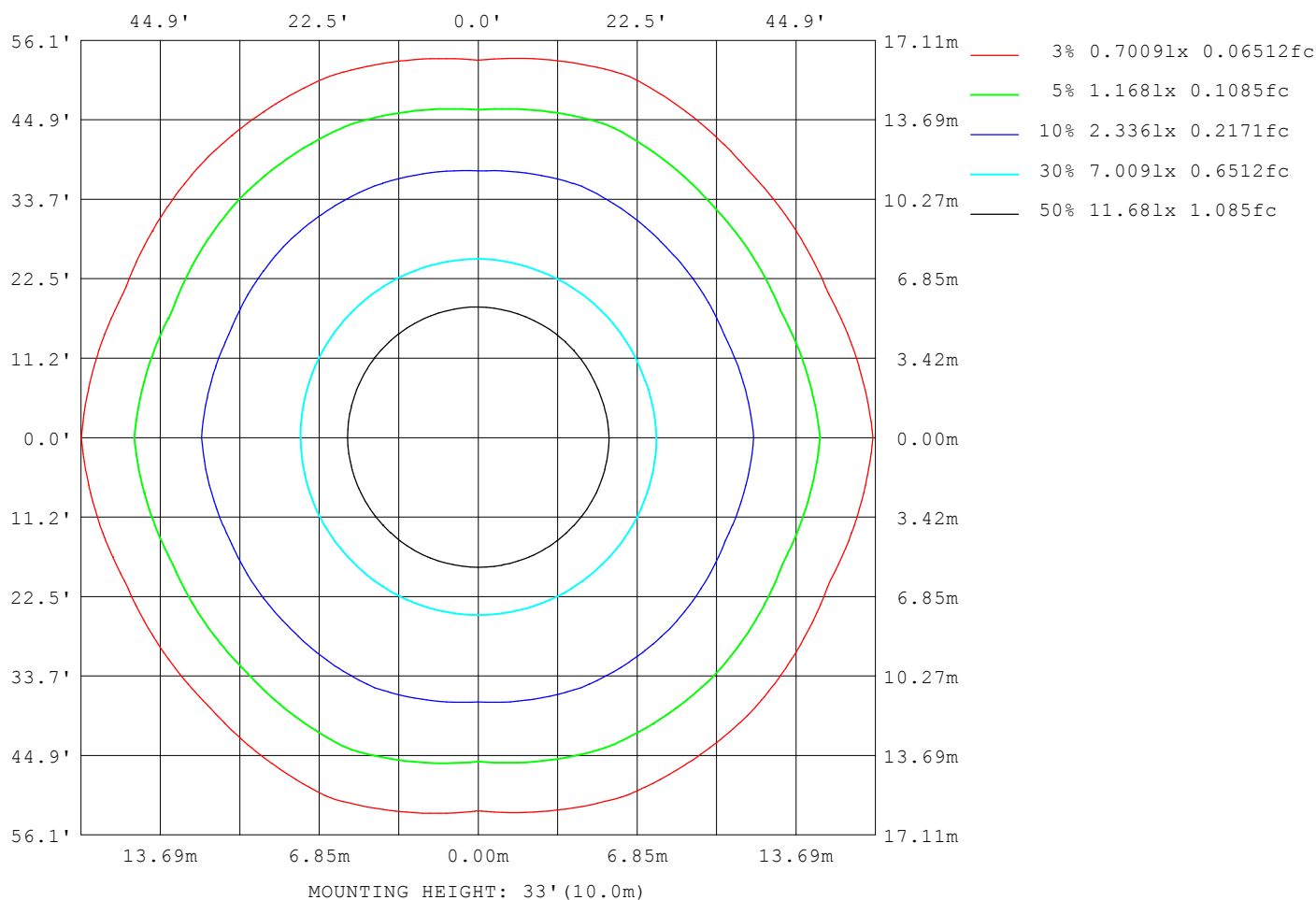
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm		
NAME: LED612-W34KA-D (40W 1050mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

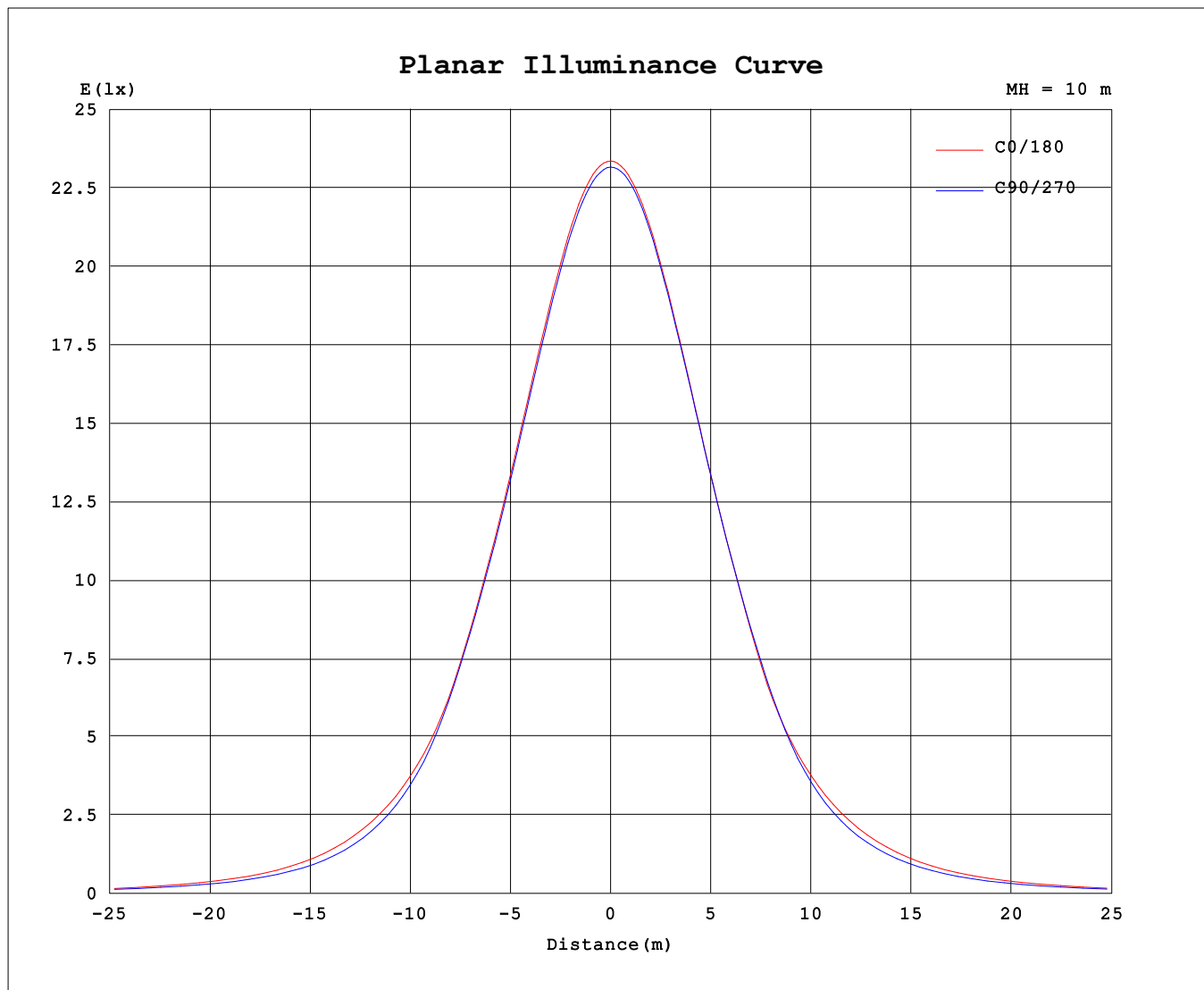
AvgL	cd/m2
L_0~180 (65) av	2808
L_0~180 (75) av	2223
L_0~180 (85) av	2195
L_90~270 (65) av	2284
L_90~270 (75) av	1816
L_90~270 (85) av	920
L_45 (65) av	2517
L_45 (75) av	2080
L_45 (85) av	1653

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.65V I:0.1797A P:39.827W PF:0.9608 Freq:50.00Hz Lamp Flux:4766.77x1 lm																	
NAME: LED612-W34KA-D (40W 1050mA 4000K)									TYPE:						WEIGHT:		
SPEC.:									DIM.: 0.3363						SERIAL No.:		
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Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	2336	2330	2325	2320	2317	2313	2311	2309	2336	2330	2325	2320	2317	2313	2311	2309			
5	2321	2313	2306	2302	2298	2296	2294	2293	2319	2313	2309	2306	2302	2298	2295	2292			
10	2269	2263	2256	2252	2247	2246	2243	2242	2266	2262	2260	2256	2253	2246	2243	2238			
15	2182	2175	2167	2164	2159	2160	2157	2158	2180	2177	2176	2172	2168	2160	2156	2151			
20	2064	2057	2048	2045	2041	2042	2039	2042	2062	2059	2060	2058	2054	2044	2040	2034			
25	1919	1912	1902	1900	1897	1897	1893	1898	1915	1914	1916	1915	1913	1900	1895	1889			
30	1745	1738	1728	1728	1724	1724	1718	1727	1740	1740	1743	1743	1742	1726	1720	1715			
35	1534	1527	1518	1520	1518	1515	1507	1515	1526	1530	1533	1537	1538	1517	1509	1501			
40	1275	1259	1259	1255	1247	1249	1241	1250	1270	1269	1274	1275	1275	1254	1244	1233			
45	1058	1011	1022	1012	979	1012	1001	1010	1063	1033	1040	1034	1004	1018	998	993			
50	867	792	822	821	757	824	792	801	877	810	843	838	779	835	792	782			
55	686	605	642	643	569	654	605	612	700	616	658	663	593	663	608	595			
60	524	455	487	490	426	499	459	463	533	470	498	505	444	509	456	450			
65	393	342	364	361	317	370	349	352	405	358	374	377	333	372	345	341			
70	280	256	265	257	231	261	260	266	293	269	276	271	245	260	256	255			
75	187	178	175	165	154	169	183	193	200	192	192	179	163	167	174	177			
80	114	107	97.3	87.8	82.7	96.0	111	124	129	123	115	99.8	89.0	91.7	99.7	106			
85	57.3	52.0	41.3	30.5	25.3	38.2	53.6	67.5	71.4	66.0	55.6	39.5	28.7	32.9	43.2	51.3			
90	32.3	28.3	19.2	8.55	2.93	12.4	25.9	36.8	40.2	36.2	25.6	11.3	2.52	9.46	20.1	28.4			
95	26.9	24.3	17.7	9.29	3.80	12.3	23.0	31.3	34.2	31.2	22.6	10.9	3.30	9.54	17.9	24.2			
100	27.0	24.8	18.7	10.8	5.19	13.3	23.6	31.4	34.1	31.2	23.1	12.0	4.49	10.8	18.6	24.5			
105	27.4	25.4	19.6	12.2	6.95	14.7	24.3	31.7	34.2	31.5	23.8	13.4	6.00	11.9	19.3	24.9			
110	27.9	26.2	20.8	13.9	8.97	16.4	25.3	32.2	34.4	31.9	24.9	15.0	7.95	13.4	20.3	25.4			
115	28.8	27.1	21.1	15.8	11.2	18.3	25.5	32.8	34.9	32.2	26.1	16.8	9.87	15.1	20.7	26.2			
120	29.3	27.1	23.1	17.5	13.4	20.0	27.1	32.4	34.1	31.7	25.7	18.6	12.2	16.8	21.9	26.1			
125	30.0	28.4	24.8	19.6	15.9	21.9	28.9	33.7	35.2	32.9	27.9	20.0	14.4	18.5	23.7	27.3			
130	31.5	30.0	26.3	21.4	18.6	24.0	30.3	35.3	36.7	34.3	29.3	22.3	16.8	20.5	25.2	28.8			
135	32.6	31.2	27.9	23.1	21.1	26.0	31.7	36.2	37.5	35.2	30.6	24.4	19.5	22.4	26.7	30.0			
140	33.6	32.3	29.2	24.8	23.6	27.8	32.9	37.0	38.1	36.0	31.9	26.4	21.9	24.1	28.2	31.1			
145	34.4	33.3	29.6	26.5	26.1	29.6	34.0	37.5	38.4	36.6	33.0	28.3	24.3	25.7	29.5	32.0			
150	35.1	34.2	30.4	27.9	28.6	31.0	35.0	37.9	38.7	37.0	34.0	29.3	26.7	27.2	30.3	32.9			
155	35.7	35.0	31.4	29.5	31.1	31.9	35.8	38.2	38.7	37.4	34.9	30.8	29.4	28.2	31.2	33.8			
160	36.1	35.6	32.3	31.9	33.4	33.8	36.5	38.4	38.6	37.6	35.8	33.0	32.0	30.2	32.2	34.8			
165	36.5	35.3	33.3	34.0	35.2	35.5	36.0	38.3	38.5	37.7	35.4	34.8	34.2	32.7	32.5	35.6			
170	36.1	34.4	35.0	36.0	36.7	37.0	36.9	37.0	37.2	36.8	36.8	36.5	36.1	35.1	34.1	34.5			
175	36.7	36.2	36.8	37.4	37.6	37.8	37.7	37.6	37.8	37.6	37.8	37.5	37.4	36.9	36.4	35.8			
180	38.7	37.5	37.8	38.0	38.0	37.9	37.7	37.0	38.8	37.4	37.9	37.9	38.0	37.8	37.7	37.0			

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