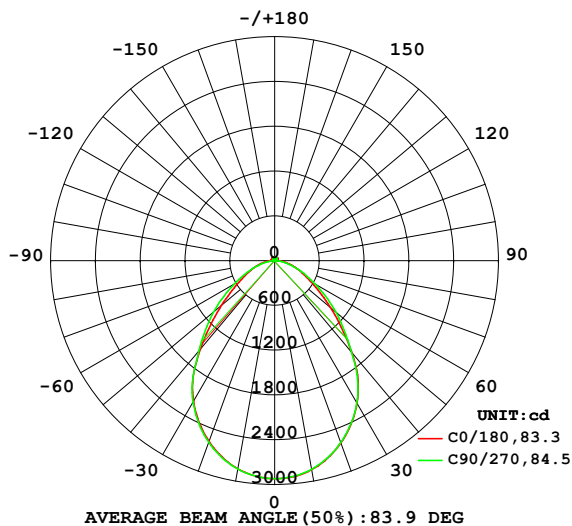


LUMINAIRE PHOTOMETRIC TEST REPORT

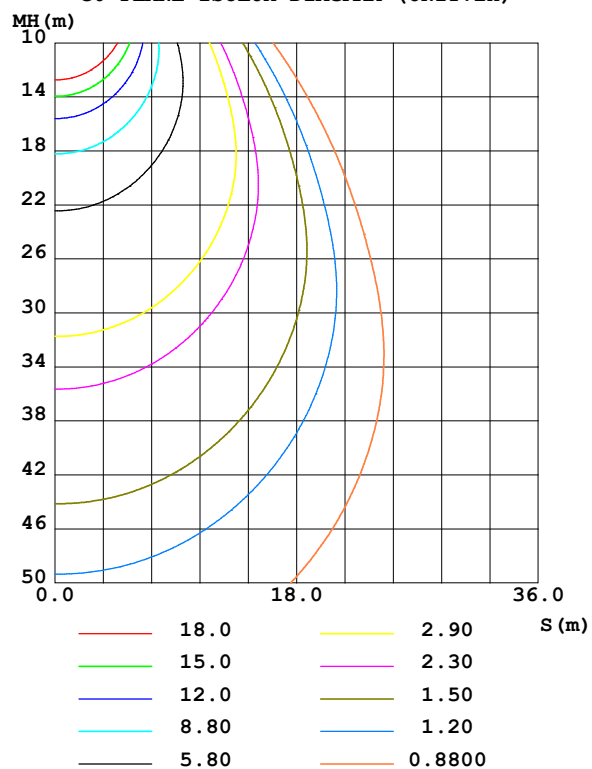
Test:U:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.95 lm/W			
MODEL		I _{max} (cd)	2922	S/MH(C0/180)	1.13
NOMINAL POWER(W)	43	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5963.8	η UP,DN(C0-180)	1.8,48.7
NOMINAL FLUX(lm)	5963.76	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,47.8
LAMPS INSIDE	1	η up (%)	3.5	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down (%)	96.5	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:2025-03-28

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	2845	2842	2840	2841	2833	2834	2837	2838	0- 10	274.9	274.9	4.61
20	2599	2594	2593	2590	2575	2578	2588	2586	10- 20	768.9	1044	17.5
30	2209	2200	2202	2198	2175	2171	2187	2184	20- 30	1106	2150	36
40	1615	1592	1605	1601	1549	1549	1580	1577	30- 40	1191	3341	56
50	976.1	992.8	1073	1050	928.7	955.7	1067	1035	40- 50	984.6	4326	72.5
60	558.6	556.0	622.1	620.8	526.4	535.9	619.8	601.3	50- 60	695.8	5021	84.2
70	323.7	316.3	319.6	342.3	309.4	302.0	312.7	321.6	60- 70	433.4	5455	91.5
80	144.5	130.6	113.2	138.4	141.4	121.8	102.4	123.3	70- 80	229.5	5684	95.3
90	40.74	24.44	4.621	35.60	49.33	28.86	3.388	26.67	80- 90	70.02	5754	96.5
100	37.44	24.21	7.290	33.75	45.84	29.14	6.260	27.38	90-100	28.29	5783	97
110	38.94	27.28	12.03	36.14	46.39	31.63	10.56	29.60	100-110	29.60	5812	97.5
120	40.73	30.62	17.43	37.64	45.94	33.75	15.69	31.35	110-120	30.41	5843	98
130	43.36	34.82	23.85	41.13	48.61	36.91	21.62	35.35	120-130	30.36	5873	98.5
140	45.55	37.42	30.19	43.44	49.13	39.55	27.49	38.44	130-140	29.00	5902	99
150	46.38	39.01	36.40	45.06	48.61	41.76	33.44	39.55	140-150	25.14	5927	99.4
160	46.66	41.44	42.37	45.97	47.60	42.93	40.03	41.39	150-160	19.54	5947	99.7
170	45.55	44.24	46.55	46.17	45.74	45.40	45.48	43.24	160-170	12.53	5959	99.9
180	47.96	47.68	47.99	47.73	47.90	47.71	48.03	47.70	170-180	4.413	5964	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3866.7 lm

%lum = 64.8%

%lamp = 64.8%

Conical surface Flux(120deg): 5021.5 lm

%lum = 84.2%

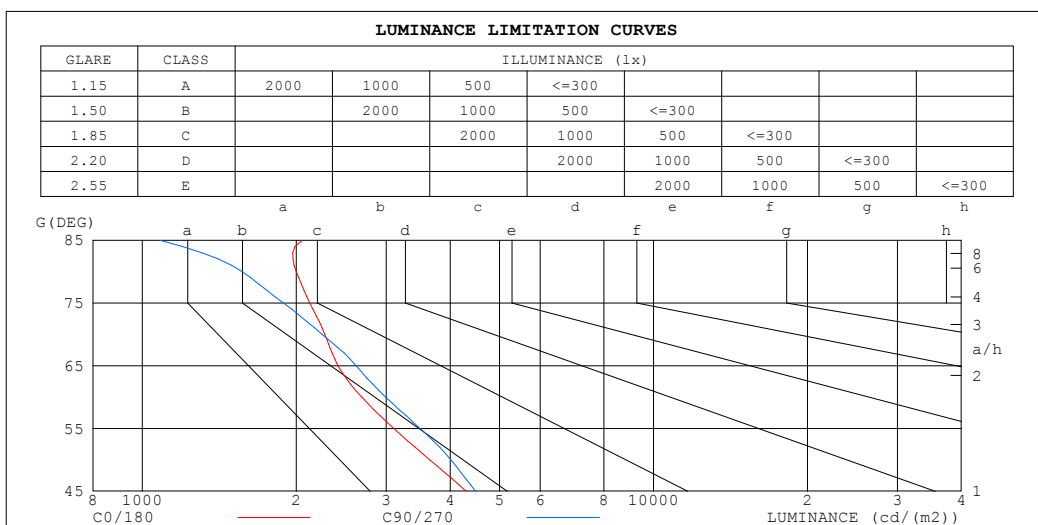
%lamp = 84.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2056	1083
80	2001	1568
75	2125	1888
70	2276	2247
65	2414	2618
60	2686	2992
55	3103	3494
50	3651	4013
45	4301	4485

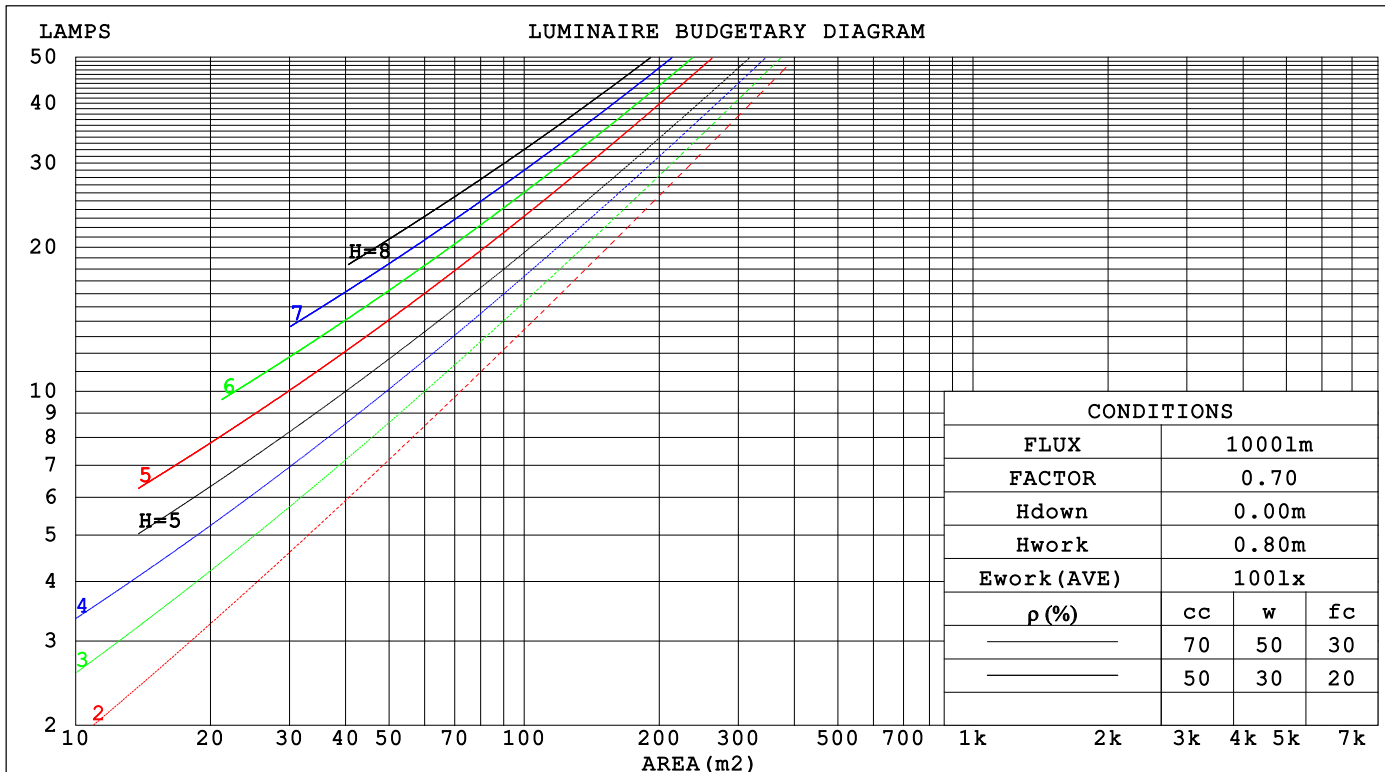
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	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	.96
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	.92	.86	.82	.88	.83	.79	.84	.80	.77	.80	.77	.75	.73
3.0	.84	.77	.71	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.68	.62	.74	.67	.61	.71	.65	.60	.68	.63	.59	.66	.61	.58	.55
5.0	.68	.60	.54	.67	.59	.54	.65	.58	.53	.62	.57	.52	.60	.55	.51	.49
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.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	.42	.38	.36
9.0	.48	.41	.36	.48	.40	.35	.46	.40	.35	.45	.39	.35	.44	.38	.34	.33
10.0	.45	.37	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.35	.32	.30



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	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	.265	.151	.048	.257	.147	.047	.242	.139	.044	.228	.132	.042	.216	.125	.040		
2.0	.252	.138	.042	.245	.135	.042	.232	.129	.040	.220	.123	.039	.208	.118	.037		
3.0	.236	.126	.038	.230	.123	.037	.218	.118	.036	.207	.114	.035	.197	.109	.034		
4.0	.220	.115	.034	.215	.112	.033	.204	.108	.032	.195	.105	.032	.186	.101	.031		
5.0	.206	.105	.030	.201	.103	.030	.192	.100	.029	.183	.097	.029	.175	.094	.028		
6.0	.193	.097	.028	.188	.095	.027	.180	.092	.027	.172	.090	.026	.165	.087	.026		
7.0	.181	.089	.025	.177	.088	.025	.169	.086	.025	.162	.083	.024	.156	.081	.024		
8.0	.170	.083	.023	.167	.082	.023	.160	.080	.023	.153	.078	.022	.148	.076	.022		
9.0	.160	.078	.022	.157	.077	.022	.151	.075	.021	.145	.073	.021	.140	.071	.021		
10.0	.152	.073	.020	.149	.072	.020	.143	.070	.020	.138	.069	.019	.133	.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	.217	.217	.217	.186	.186	.186	.127	.127	.127	.073	.073	.073	.023	.023	.023		
1.0	.204	.183	.165	.175	.157	.142	.119	.108	.098	.069	.063	.057	.022	.020	.018		
2.0	.194	.159	.130	.166	.137	.112	.114	.095	.078	.066	.055	.046	.021	.018	.015		
3.0	.185	.141	.106	.159	.122	.092	.109	.085	.065	.063	.049	.038	.020	.016	.012		
4.0	.177	.128	.090	.152	.110	.078	.105	.077	.055	.060	.045	.033	.019	.015	.011		
5.0	.170	.117	.078	.146	.101	.068	.100	.071	.048	.058	.042	.029	.019	.014	.009		
6.0	.163	.109	.070	.140	.094	.061	.097	.066	.043	.056	.039	.026	.018	.013	.008		
7.0	.156	.102	.063	.134	.088	.055	.093	.062	.039	.054	.036	.023	.017	.012	.008		
8.0	.150	.096	.058	.129	.083	.051	.089	.058	.036	.052	.034	.022	.017	.011	.007		
9.0	.145	.091	.055	.125	.079	.048	.086	.055	.034	.050	.033	.020	.016	.011	.007		
10.0	.139	.087	.052	.120	.075	.045	.083	.053	.032	.049	.031	.019	.016	.010	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm										
NAME: LED615-W34KA (4000K 43W)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.41588			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	16.3	17.6	16.6	17.9	18.1	16.1	17.4	16.4	17.6	17.9
3H	17.2	18.4	17.5	18.7	19.0	16.9	18.1	17.3	18.4	18.7
4H	17.6	18.7	17.9	19.0	19.3	17.3	18.4	17.6	18.7	19.0
6H	17.9	19.0	18.3	19.3	19.6	17.5	18.5	17.8	18.9	19.2
8H	18.0	19.0	18.4	19.4	19.7	17.5	18.5	17.9	18.9	19.2
12H	18.1	19.1	18.5	19.4	19.8	17.5	18.5	17.9	18.9	19.2
4H 2H	16.6	17.7	16.9	18.0	18.3	16.4	17.5	16.7	17.8	18.1
3H	17.7	18.7	18.1	19.0	19.4	17.4	18.4	17.8	18.8	19.1
4H	18.2	19.1	18.6	19.5	19.9	17.9	18.8	18.3	19.2	19.6
6H	18.6	19.4	19.1	19.8	20.3	18.2	19.0	18.6	19.4	19.8
8H	18.8	19.5	19.3	20.0	20.4	18.3	19.0	18.7	19.5	19.9
12H	18.9	19.6	19.4	20.1	20.5	18.3	19.0	18.8	19.4	19.9
8H 4H	18.3	19.1	18.8	19.5	20.0	18.1	18.8	18.5	19.2	19.7
6H	18.9	19.5	19.4	20.0	20.5	18.5	19.1	19.0	19.6	20.1
8H	19.2	19.7	19.7	20.2	20.7	18.6	19.2	19.1	19.7	20.2
12H	19.4	19.8	19.9	20.3	20.9	18.7	19.2	19.2	19.7	20.2
12H 4H	18.3	19.0	18.8	19.5	19.9	18.1	18.7	18.5	19.2	19.6
6H	18.9	19.5	19.4	19.9	20.5	18.5	19.1	19.0	19.5	20.1
8H	19.2	19.7	19.7	20.2	20.7	18.7	19.2	19.2	19.7	20.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.4				
1.5H	+ 0.1 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.5 / - 0.8					+ 0.8 / - 0.7				

CIE Pub.117, 5964 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.2)
Area: 0.41588 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

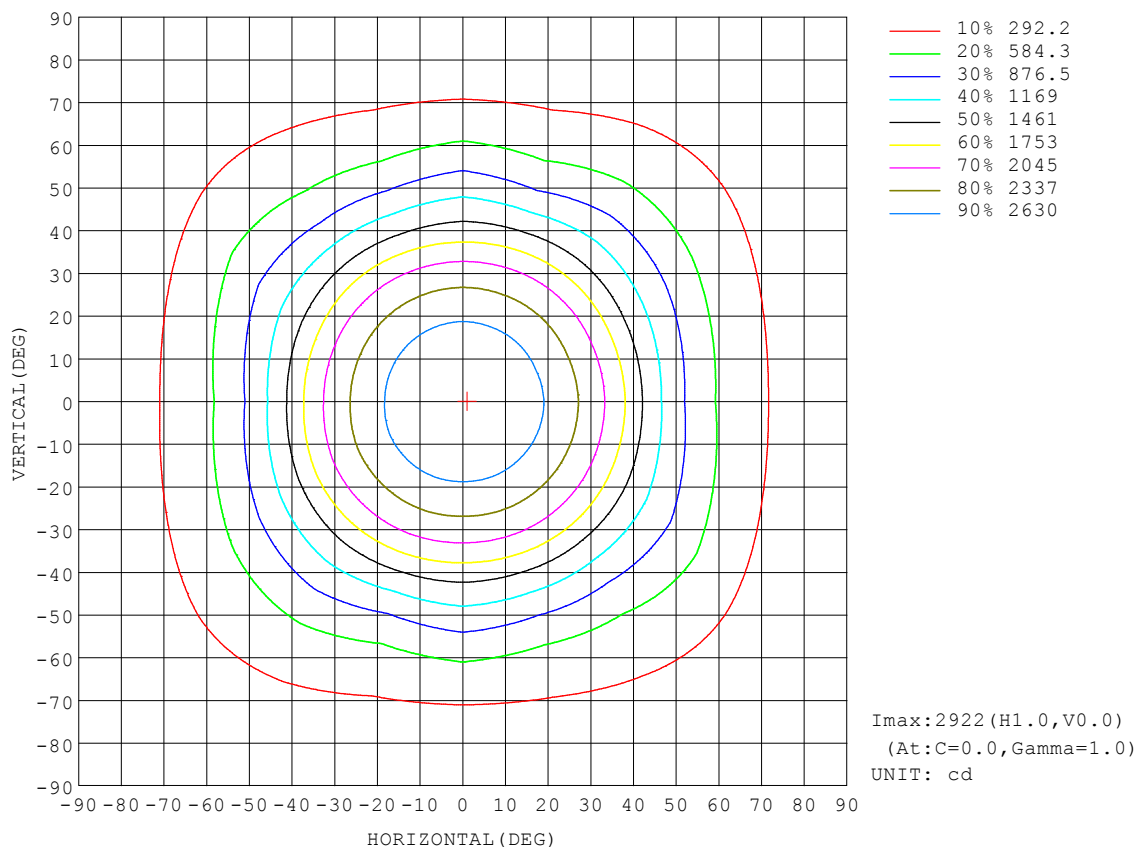
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	48	63	54	48	62	53	47	42
0.80	74	64	57	73	63	57	71	62	57	50
1.00	82	72	66	80	71	65	78	72	65	58
1.25	88	79	73	86	78	72	84	76	71	65
1.50	92	84	78	91	83	77	87	81	76	69
2.00	98	91	85	96	90	84	92	87	83	75
2.50	101	95	90	99	93	88	95	90	86	78
3.00	104	98	94	102	97	92	98	93	90	81
4.00	108	103	99	105	101	97	100	97	94	85
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: 2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

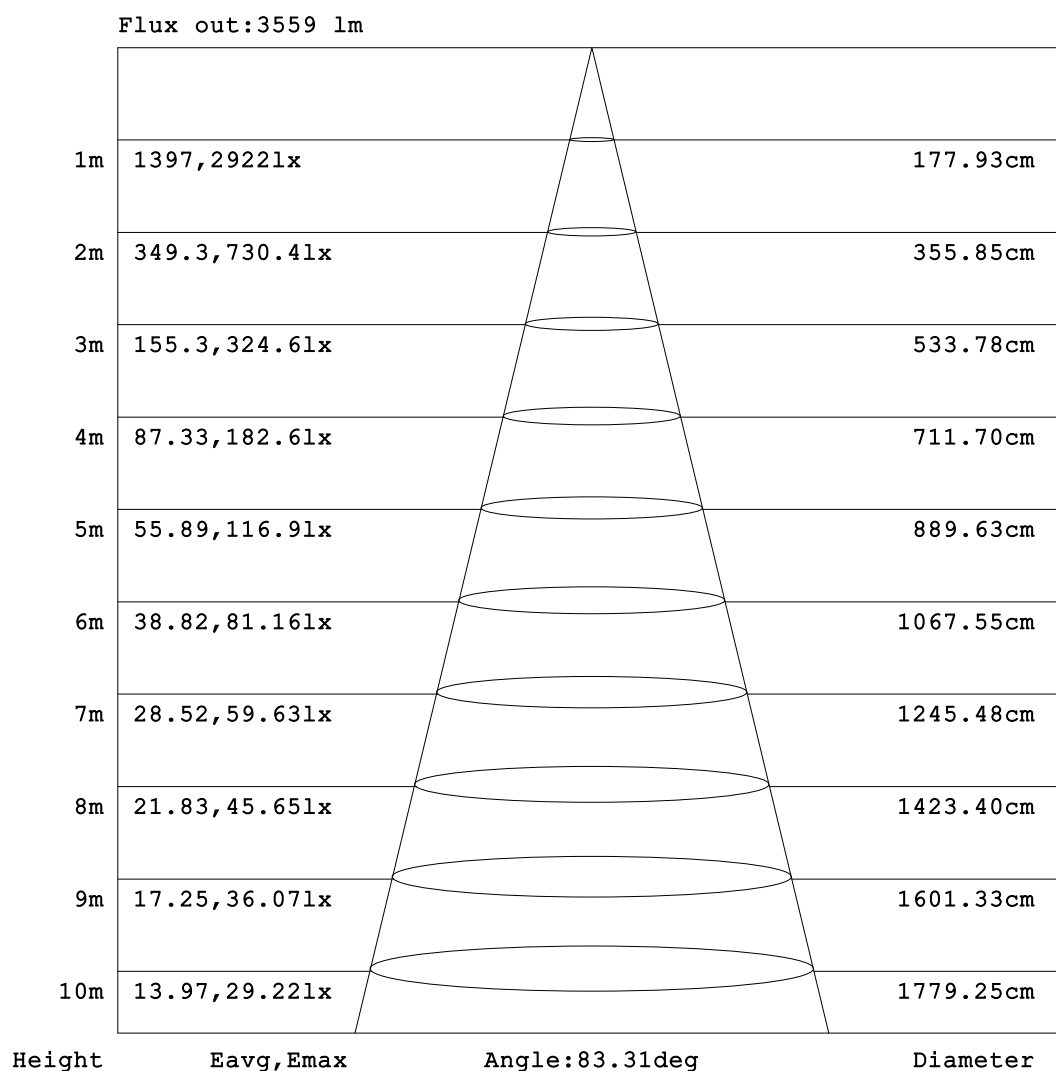


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



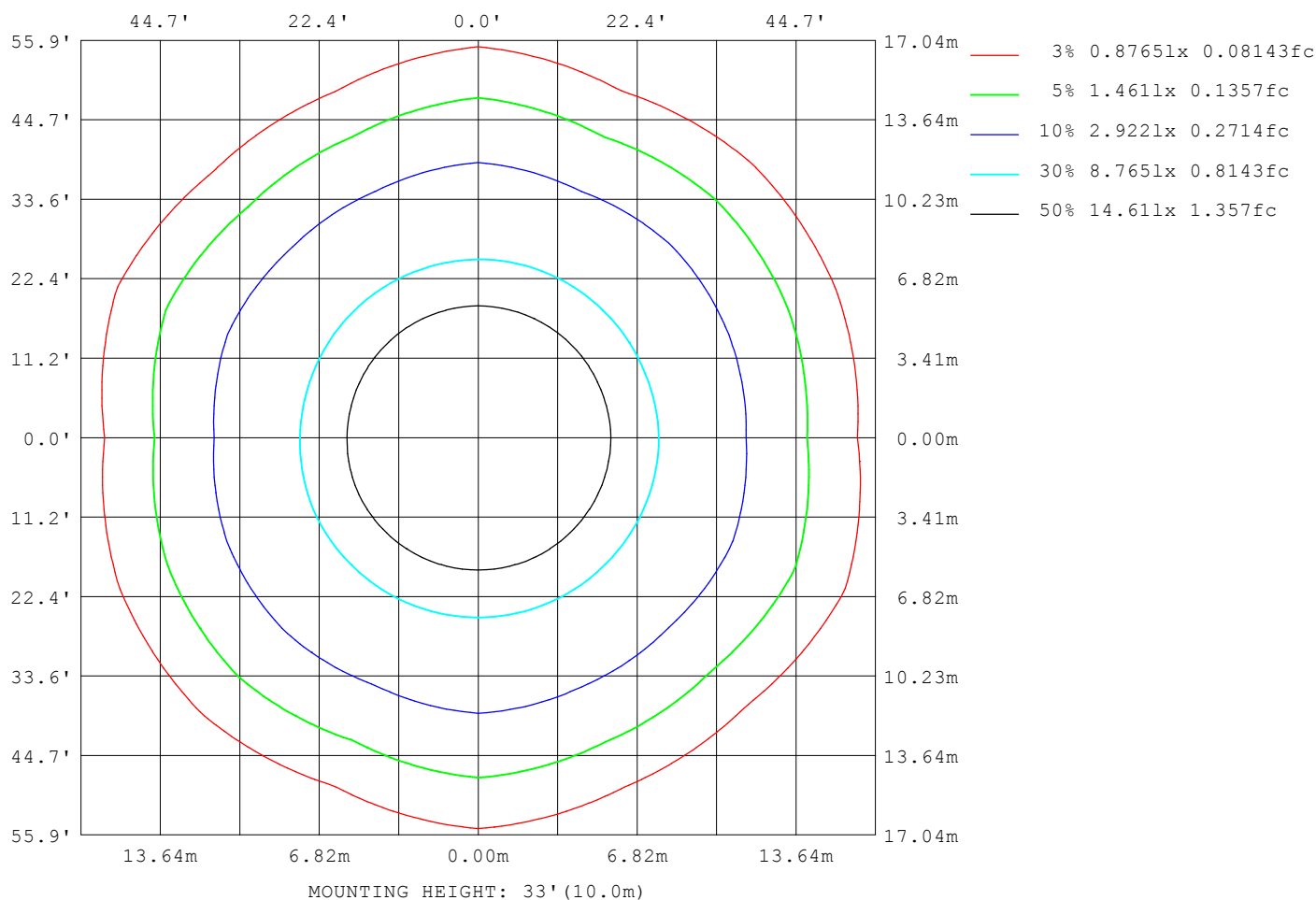
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	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:2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

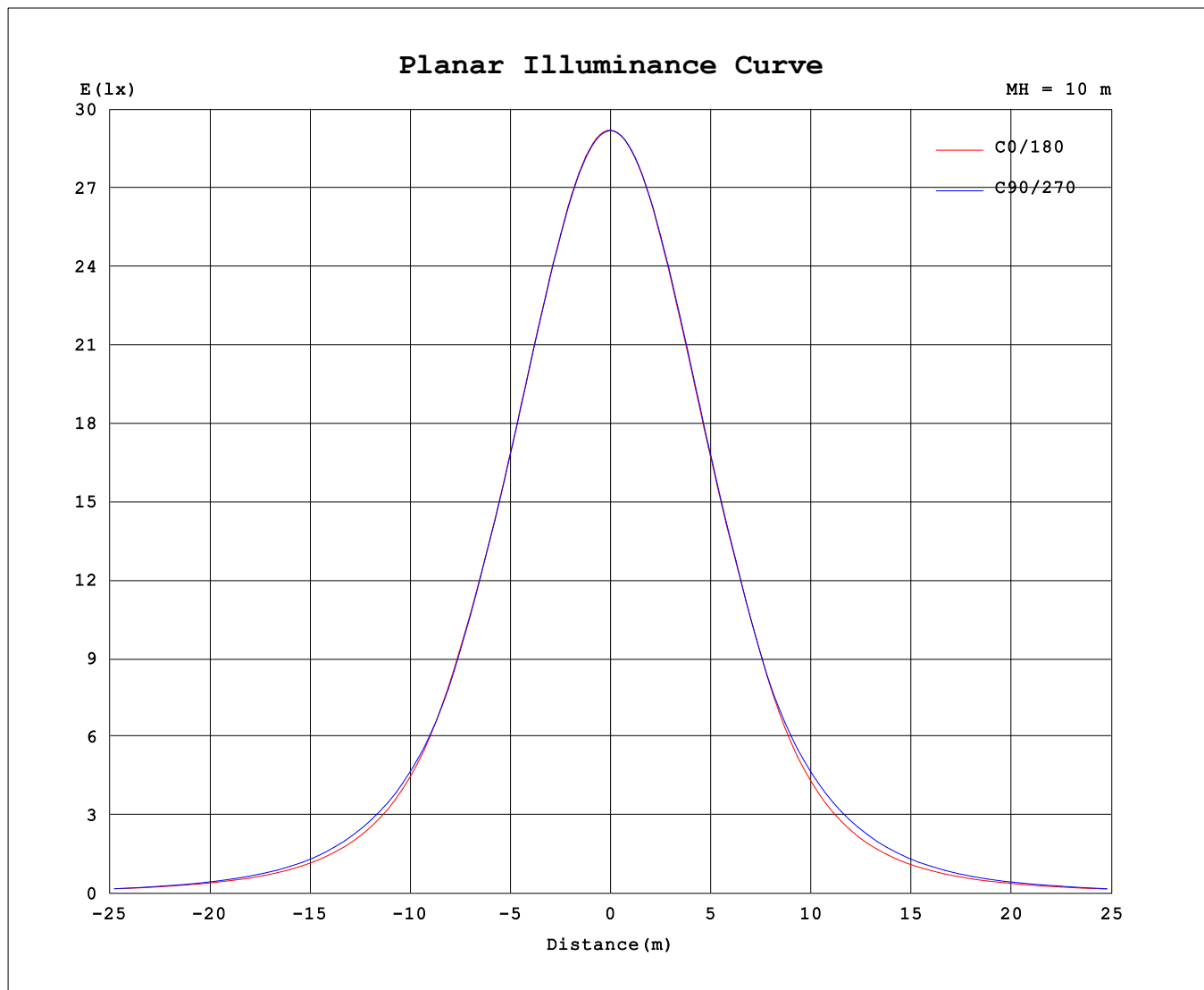
AvgL	cd/m2
L_0~180 (65) av	2355
L_0~180 (75) av	2095
L_0~180 (85) av	2099
L_90~270 (65) av	2596
L_90~270 (75) av	1837
L_90~270 (85) av	950
L_45 (65) av	2461
L_45 (75) av	2033
L_45 (85) av	1632

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-03-28

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
Operators: DAMIN
Test Date: 2025-03-28

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:230.67V I:0.1914A P:42.919W PF:0.9719 Freq:50.00Hz Lamp Flux:5963.76x1 lm		
NAME: LED615-W34KA (4000K 43W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

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	2922	2920	2920	2920	2920	2920	2919	2921	2922	2920	2920	2920	2920	2920	2919	2921			
5	2906	2904	2903	2902	2901	2900	2900	2900	2897	2897	2898	2898	2899	2899	2900	2901			
10	2845	2844	2842	2841	2840	2841	2841	2840	2833	2832	2834	2835	2837	2837	2838	2838			
15	2741	2740	2736	2737	2736	2737	2736	2734	2723	2723	2726	2728	2732	2731	2732	2731			
20	2599	2597	2594	2594	2593	2595	2590	2589	2575	2573	2578	2582	2588	2584	2586	2585			
25	2423	2419	2416	2418	2416	2417	2411	2411	2393	2390	2394	2400	2407	2404	2404	2405			
30	2209	2204	2200	2204	2202	2203	2198	2199	2175	2169	2171	2179	2187	2185	2184	2187			
35	1951	1941	1934	1938	1939	1944	1939	1943	1910	1894	1894	1896	1908	1910	1912	1920			
40	1615	1611	1592	1593	1605	1598	1601	1595	1549	1549	1549	1551	1580	1570	1577	1578			
45	1265	1306	1266	1274	1319	1272	1303	1281	1212	1258	1234	1239	1312	1255	1284	1268			
50	976	1069	993	1000	1073	979	1050	1029	929	1022	956	964	1067	961	1035	1019			
55	740	853	748	747	833	730	820	798	699	811	717	716	831	716	800	795			
60	559	660	556	552	622	540	621	613	526	623	536	528	620	532	601	601			
65	424	485	420	409	460	399	462	462	404	462	406	391	452	394	443	452			
70	324	343	316	306	320	301	342	346	309	326	302	287	313	287	322	336			
75	229	230	219	211	203	207	231	241	222	219	209	195	192	191	216	228			
80	145	143	131	120	113	122	138	149	141	136	122	106	102	105	123	136			
85	74.5	71.4	58.7	45.6	39.3	51.8	68.4	80.6	77.7	71.3	55.4	36.7	29.6	37.6	54.1	66.4			
90	40.7	36.0	24.4	11.0	4.62	18.3	35.6	47.9	49.3	43.2	28.9	11.6	3.39	13.3	26.7	36.7			
95	36.8	32.5	22.8	11.4	5.41	17.9	32.9	43.6	45.9	40.7	28.3	12.7	4.64	14.5	26.3	34.5			
100	37.4	33.3	24.2	13.2	7.29	19.6	33.8	43.8	45.8	40.8	29.1	14.4	6.26	16.0	27.4	35.0			
105	38.1	34.3	25.7	15.4	9.48	21.5	34.8	44.2	46.0	41.2	30.3	16.3	8.22	17.7	28.4	35.7			
110	38.9	35.4	27.3	17.9	12.0	23.7	36.1	44.9	46.4	41.9	31.6	18.4	10.6	19.7	29.6	36.4			
115	40.0	36.7	28.1	20.4	14.6	25.7	35.8	45.7	47.0	42.1	32.3	20.6	13.0	21.8	29.8	37.4			
120	40.7	36.6	30.6	22.8	17.4	27.6	37.6	44.9	45.9	41.8	33.7	22.6	15.7	23.8	31.4	37.2			
125	41.6	38.4	32.8	25.2	20.6	29.9	39.7	46.2	47.1	43.2	35.4	24.9	18.6	26.0	33.6	38.6			
130	43.4	40.4	34.8	27.2	23.9	32.2	41.1	47.7	48.6	44.4	36.9	27.3	21.6	28.2	35.3	40.5			
135	44.7	41.8	36.6	29.5	27.1	34.5	42.5	48.4	49.0	45.1	38.3	29.7	24.6	30.0	37.1	41.7			
140	45.6	43.0	37.4	31.6	30.2	36.4	43.4	48.8	49.1	45.7	39.6	32.0	27.5	31.7	38.4	42.8			
145	46.1	44.0	37.7	33.3	33.3	38.3	44.3	48.8	49.0	45.9	40.7	33.2	30.4	33.3	39.4	43.6			
150	46.4	44.5	39.0	34.9	36.4	39.7	45.1	48.7	48.6	46.1	41.8	35.3	33.4	34.9	39.6	44.1			
155	46.6	45.0	39.9	37.4	39.5	40.4	45.6	48.5	48.2	46.2	42.7	38.0	36.8	36.4	40.5	44.9			
160	46.7	44.5	41.4	40.5	42.4	42.6	46.0	48.3	47.6	46.2	42.9	40.6	40.0	38.6	41.4	45.7			
165	46.9	44.1	41.9	43.2	44.7	44.5	45.0	47.7	47.0	45.5	43.6	43.3	43.0	41.6	41.4	46.2			
170	45.5	43.4	44.2	45.6	46.6	46.5	46.2	46.4	45.7	45.4	45.4	45.5	45.5	44.5	43.2	43.8			
175	46.9	45.5	46.7	47.4	47.7	47.6	47.4	47.0	46.4	46.7	47.0	47.1	47.2	46.9	46.2	45.2			
180	48.0	47.0	47.7	47.8	48.0	47.9	47.7	46.8	47.9	47.0	47.7	47.8	48.0	47.9	47.7	46.7			

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