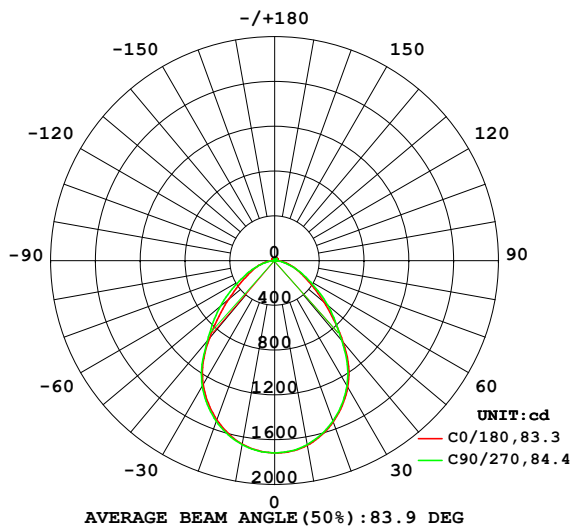


LUMINAIRE PHOTOMETRIC TEST REPORT

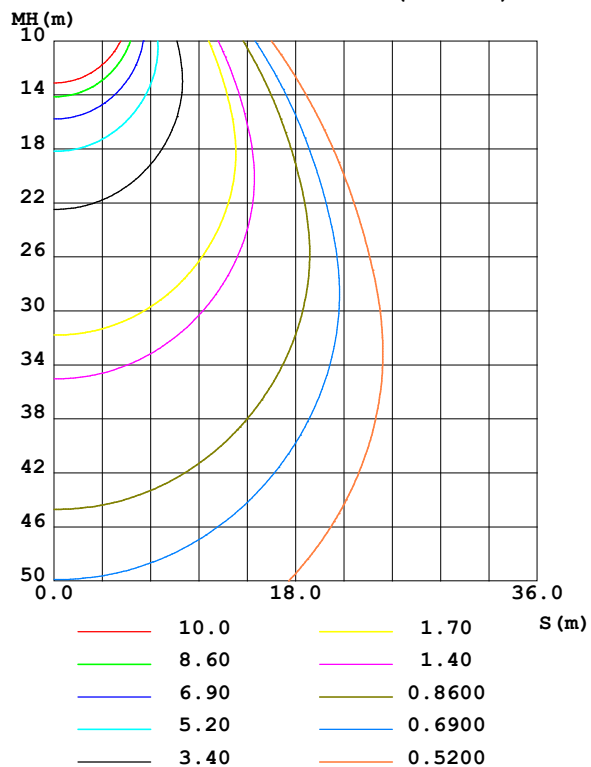
Test:U:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.68 lm/W			
MODEL		I _{max} (cd)	1718	S/MH(C0/180)	1.13
NOMINAL POWER(W)	24.7	LOR(%)	100.0	S/MH(C90/270)	1.14
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3499.8	η UP,DN(C0-180)	1.8,48.4
NOMINAL FLUX(lm)	3499.79	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.8,48.0
LAMPS INSIDE	1	η up (%)	3.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down (%)	96.4	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:2025-04-07

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	1675	1672	1670	1670	1665	1666	1670	1672	0- 10	161.7	161.7	4.62
20	1533	1527	1524	1520	1512	1517	1528	1528	10- 20	452.4	614.1	17.5
30	1306	1296	1293	1288	1278	1279	1294	1295	20- 30	651.3	1265	36.2
40	955.3	932.9	933.8	930.0	905.0	913.3	936.5	938.7	30- 40	701.0	1966	56.2
50	574.4	576.2	619.9	606.5	535.5	561.1	632.9	616.3	40- 50	577.5	2544	72.7
60	326.6	319.9	355.3	353.9	303.2	312.8	365.6	356.5	50- 60	405.2	2949	84.3
70	189.8	182.4	180.3	193.5	177.1	176.1	187.0	192.6	60- 70	251.7	3201	91.5
80	86.86	75.39	62.10	76.08	79.86	71.45	63.07	76.64	70- 80	133.5	3334	95.3
90	25.45	14.83	2.375	19.73	27.72	16.45	2.000	16.86	80- 90	40.69	3375	96.4
100	23.24	15.00	4.192	19.55	26.36	16.86	3.780	17.01	90-100	16.77	3392	96.9
110	24.14	16.78	7.052	21.09	26.91	18.35	6.398	18.35	100-110	17.69	3409	97.4
120	24.95	18.71	10.24	22.06	26.73	19.86	9.400	19.33	110-120	18.20	3428	97.9
130	26.52	21.16	13.97	24.25	28.48	21.85	12.85	21.73	120-130	18.16	3446	98.5
140	27.69	22.87	17.67	25.64	28.82	23.49	16.32	23.35	130-140	17.32	3463	99
150	28.08	23.38	21.32	26.52	28.63	24.74	19.88	23.76	140-150	15.00	3478	99.4
160	28.07	24.71	24.89	26.94	27.97	25.46	23.78	24.84	150-160	11.62	3490	99.7
170	27.30	26.22	27.40	27.13	26.94	26.86	26.99	25.68	160-170	7.425	3497	99.9
180	28.51	28.16	28.38	28.11	28.47	28.18	28.37	28.16	170-180	2.609	3500	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2275.1 lm

%lum = 65.0%

%lamp = 65.0%

Conical surface Flux(120deg): 2949.1 lm

%lum = 84.3%

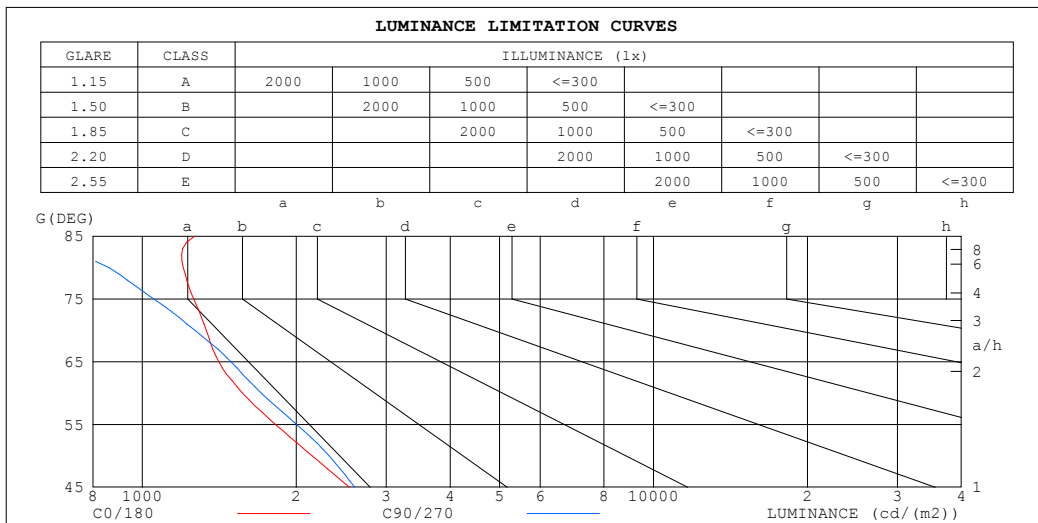
%lamp = 84.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



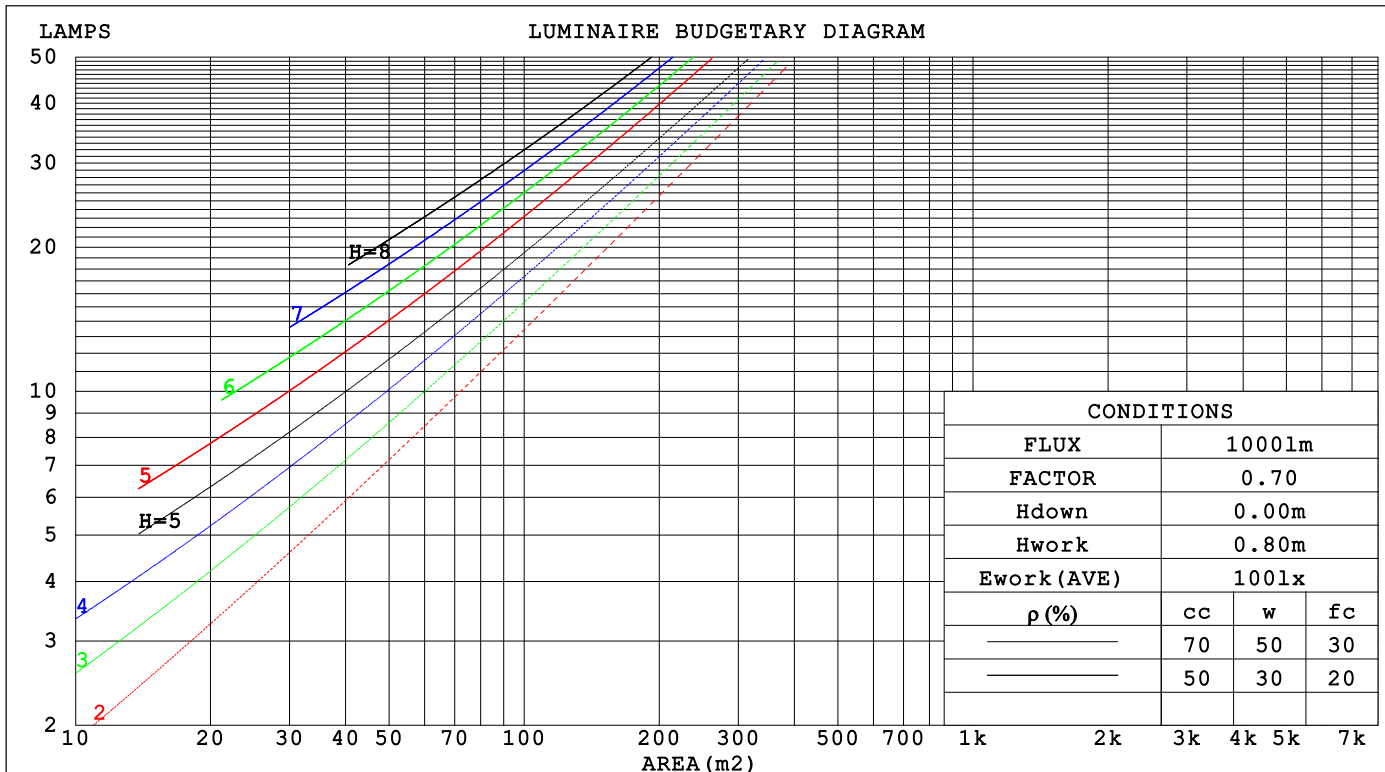
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	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	.56
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	.46	.41	.40
8.0	.52	.45	.39	.52	.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°C
Operators:DAMIN
Test Date:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	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	.150	.048	.257	.146	.046	.242	.139	.044	.228	.131	.042	.215	.125	.040		
2.0	.251	.138	.042	.244	.135	.041	.231	.129	.040	.219	.123	.038	.208	.118	.037		
3.0	.236	.125	.038	.229	.123	.037	.218	.118	.036	.207	.113	.035	.197	.109	.034		
4.0	.220	.114	.034	.214	.112	.033	.204	.108	.032	.194	.104	.031	.185	.101	.031		
5.0	.206	.105	.030	.201	.103	.030	.191	.100	.029	.183	.096	.029	.175	.093	.028		
6.0	.192	.096	.028	.188	.095	.027	.180	.092	.027	.172	.089	.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	.166	.082	.023	.160	.080	.023	.153	.078	.022	.147	.076	.022		
9.0	.160	.078	.022	.157	.077	.021	.151	.075	.021	.145	.073	.021	.140	.071	.020		
10.0	.152	.073	.020	.149	.072	.020	.143	.070	.020	.138	.068	.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	.218	.218	.218	.186	.186	.186	.127	.127	.127	.073	.073	.073	.023	.023	.023		
1.0	.205	.184	.165	.175	.158	.142	.120	.109	.098	.069	.063	.057	.022	.020	.019		
2.0	.194	.160	.130	.167	.137	.113	.114	.095	.079	.066	.055	.046	.021	.018	.015		
3.0	.186	.142	.107	.159	.122	.093	.109	.085	.065	.063	.050	.038	.020	.016	.013		
4.0	.177	.128	.091	.152	.111	.079	.105	.077	.055	.061	.045	.033	.019	.015	.011		
5.0	.170	.118	.079	.146	.102	.069	.101	.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	.157	.102	.064	.135	.088	.056	.093	.062	.039	.054	.037	.023	.017	.012	.008		
8.0	.151	.096	.059	.130	.083	.051	.090	.059	.036	.052	.035	.022	.017	.011	.007		
9.0	.145	.091	.055	.125	.079	.048	.087	.056	.034	.050	.033	.020	.016	.011	.007		
10.0	.140	.087	.052	.120	.076	.045	.084	.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:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm										
NAME: LED615-W34KA (4000K 28W)					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	14.5	15.8	14.8	16.0	16.3	14.1	15.4	14.4	15.7	15.9
3H	15.4	16.6	15.7	16.8	17.1	14.9	16.1	15.3	16.4	16.7
4H	15.7	16.9	16.1	17.2	17.5	15.3	16.4	15.6	16.7	17.0
6H	16.0	17.1	16.4	17.4	17.8	15.4	16.5	15.8	16.8	17.2
8H	16.2	17.2	16.5	17.5	17.9	15.5	16.5	15.9	16.8	17.2
12H	16.2	17.2	16.6	17.6	18.0	15.5	16.5	15.9	16.8	17.2
4H 2H	14.7	15.8	15.1	16.2	16.5	14.4	15.6	14.8	15.9	16.2
3H	15.8	16.8	16.2	17.2	17.5	15.4	16.4	15.8	16.8	17.1
4H	16.4	17.2	16.8	17.6	18.0	15.9	16.8	16.3	17.2	17.6
6H	16.8	17.6	17.2	18.0	18.4	16.2	17.0	16.6	17.4	17.8
8H	17.0	17.7	17.4	18.1	18.6	16.2	17.0	16.7	17.4	17.9
12H	17.1	17.8	17.6	18.2	18.7	16.3	16.9	16.7	17.4	17.9
8H 4H	16.5	17.2	16.9	17.6	18.1	16.0	16.8	16.5	17.2	17.7
6H	17.1	17.7	17.6	18.1	18.6	16.5	17.1	17.0	17.5	18.0
8H	17.3	17.9	17.8	18.3	18.9	16.6	17.1	17.1	17.6	18.1
12H	17.6	18.0	18.1	18.5	19.1	16.6	17.1	17.2	17.6	18.2
12H 4H	16.5	17.1	16.9	17.6	18.1	16.0	16.7	16.5	17.2	17.6
6H	17.1	17.6	17.6	18.1	18.6	16.5	17.0	17.0	17.5	18.0
8H	17.4	17.8	17.9	18.3	18.9	16.7	17.1	17.2	17.6	18.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.4				
1.5H	+ 0.1 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.6 / - 0.8					+ 0.8 / - 0.8				

CIE Pub.117, 3500 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.4$)
Area: 0.41588 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

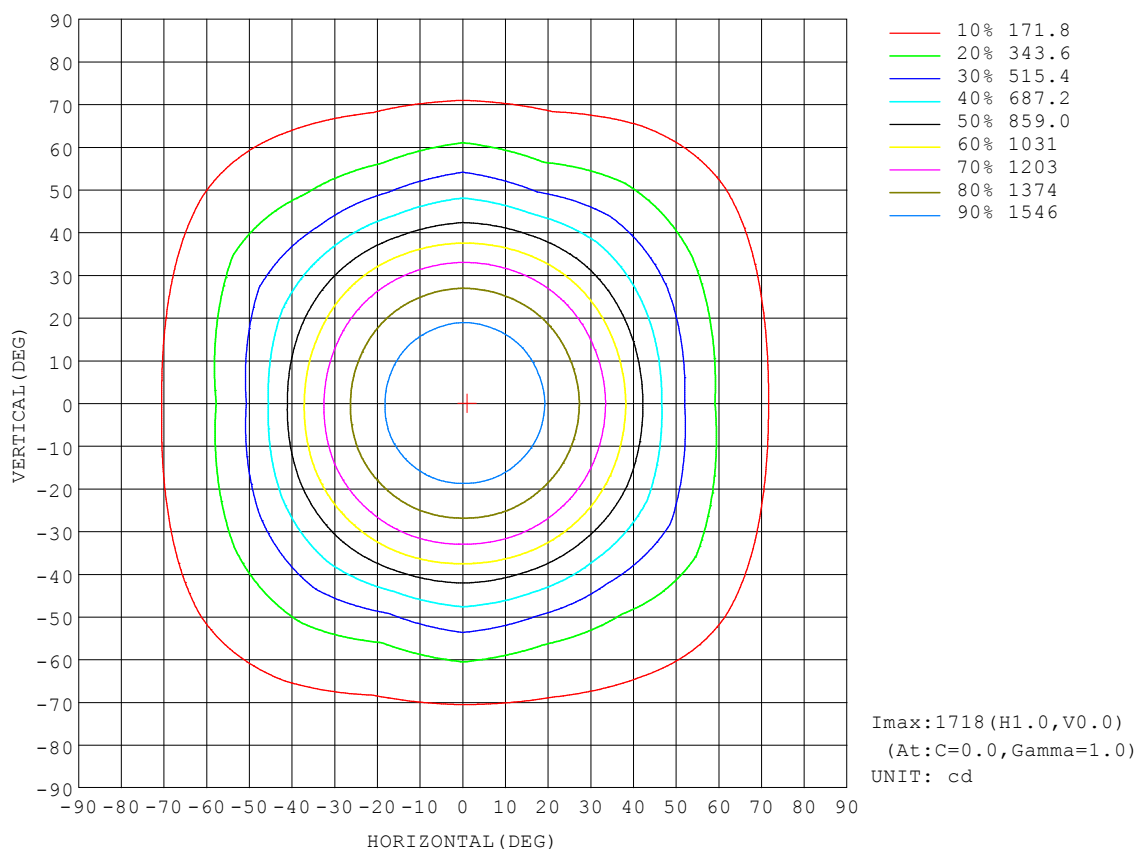
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	48	63	54	48	62	53	47	42
0.80	74	64	57	73	63	57	71	62	57	51
1.00	82	72	66	80	71	65	78	72	65	58
1.25	88	79	73	86	78	72	84	77	71	65
1.50	92	84	78	91	83	77	88	81	76	69
2.00	98	91	85	96	90	84	93	87	83	75
2.50	101	95	90	99	93	89	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: 2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

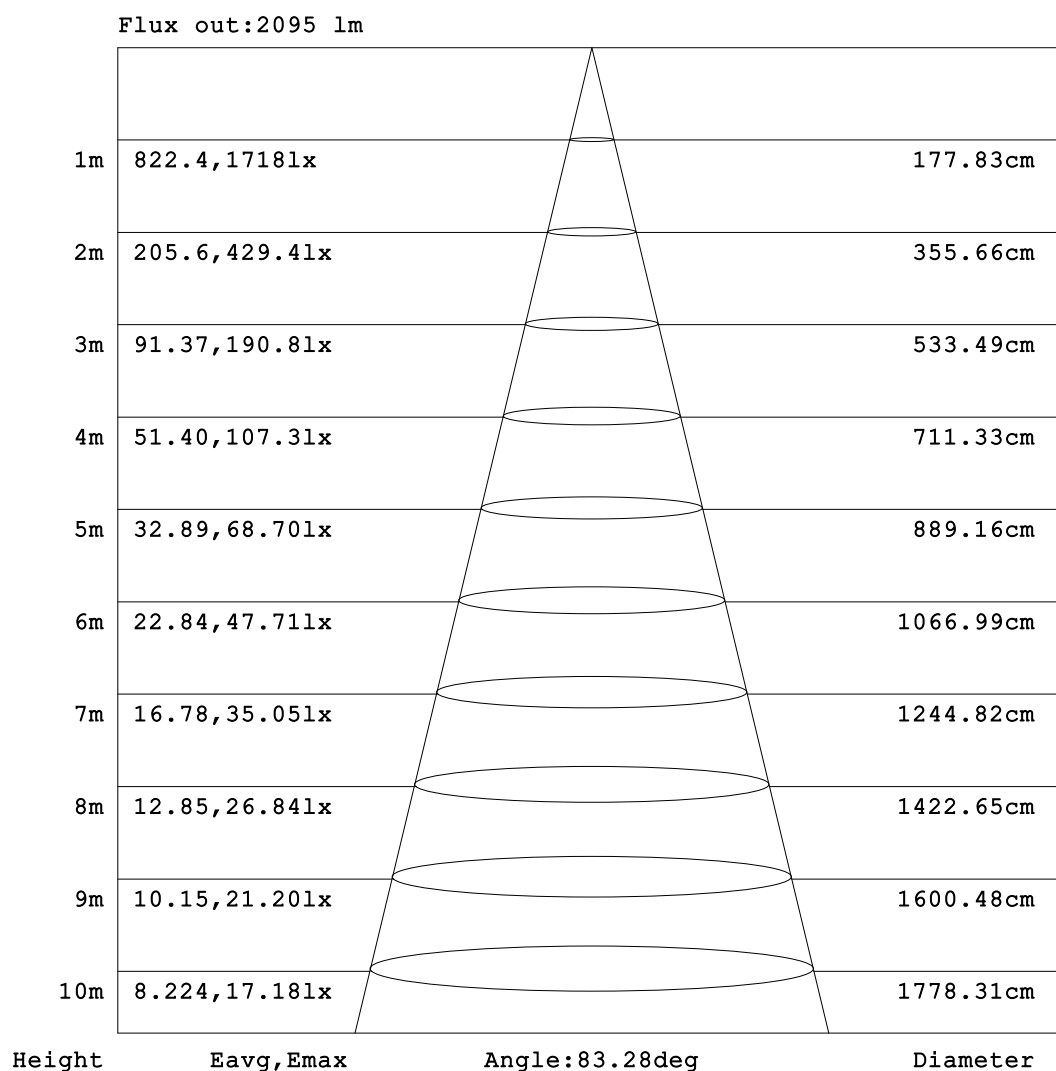


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



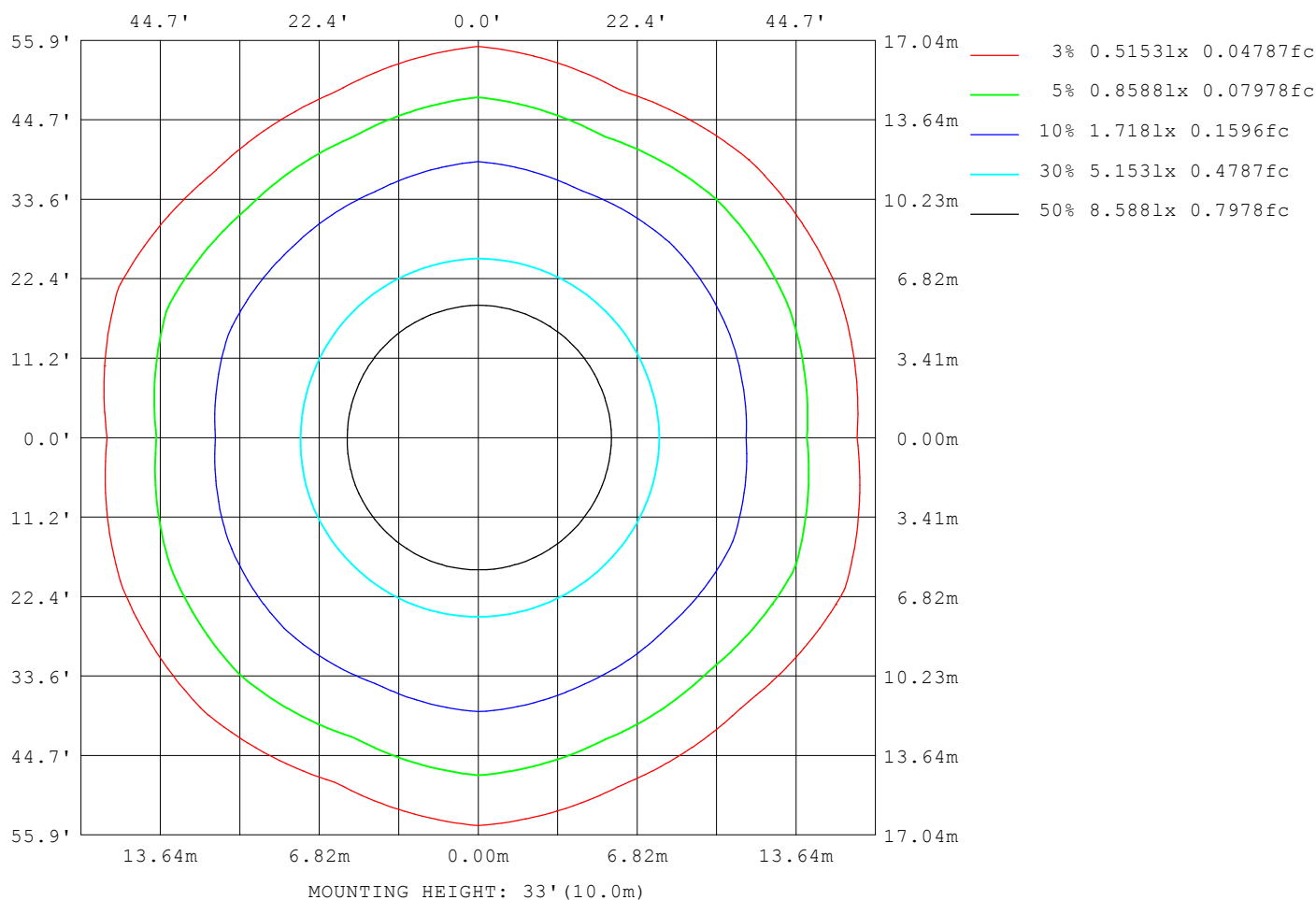
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	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:2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.41588	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

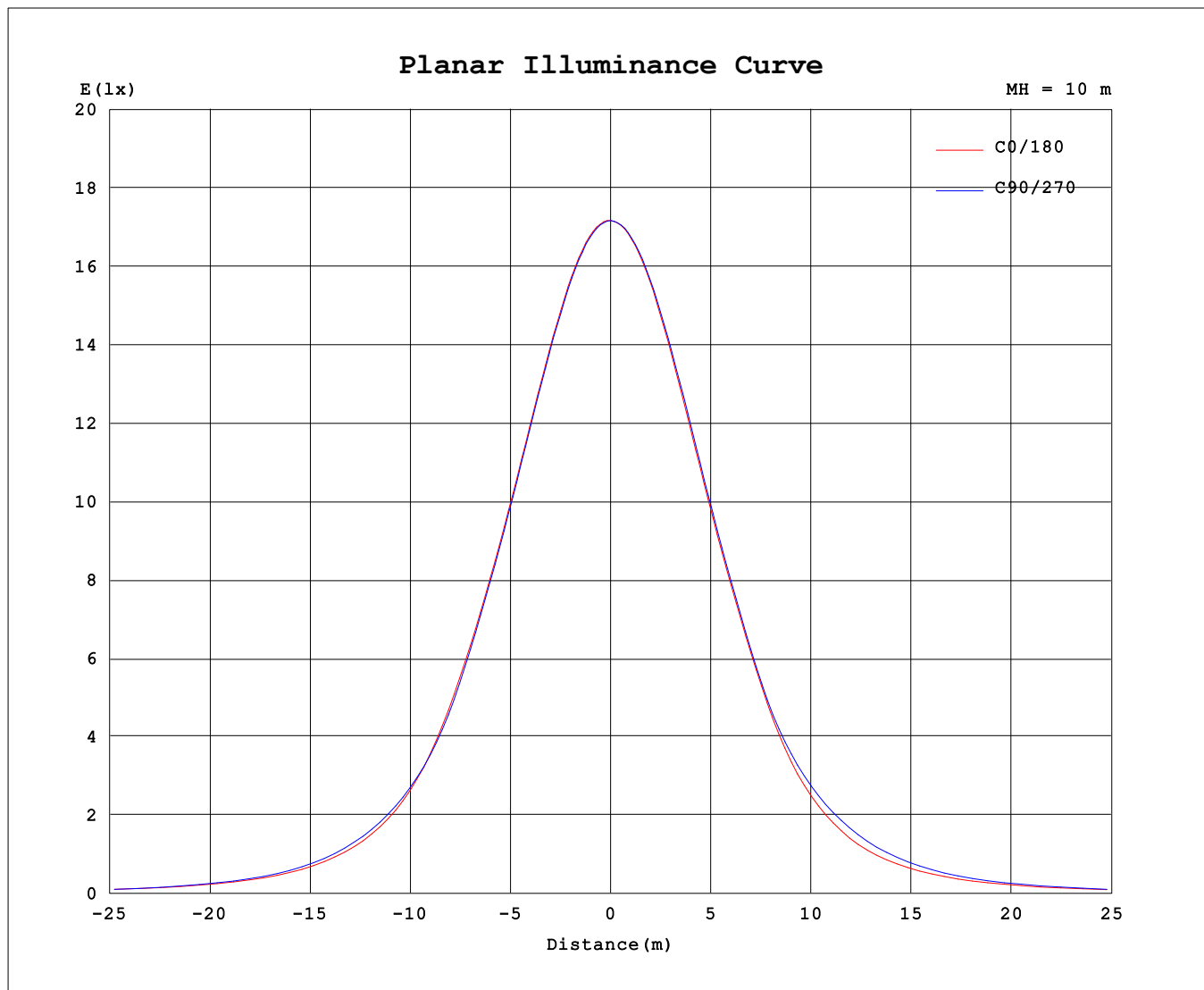
AvgL	cd/m2
L_0~180 (65) av	1364
L_0~180 (75) av	1220
L_0~180 (85) av	1228
L_90~270 (65) av	1510
L_90~270 (75) av	1063
L_90~270 (85) av	538
L_45 (65) av	1428
L_45 (75) av	1185
L_45 (85) av	950

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

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: 2025-04-07

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:230.78V I:0.1126A P:24.702W PF:0.9502 Freq:50.00Hz Lamp Flux:3499.79x1 lm		
NAME: LED615-W34KA (4000K 28W)	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	1718	1716	1717	1716	1717	1718	1717	1717	1718	1716	1717	1716	1717	1718	1717	1717			
5	1709	1708	1707	1707	1706	1706	1704	1704	1703	1702	1703	1703	1706	1705	1707	1707			
10	1675	1673	1672	1671	1670	1671	1670	1669	1665	1665	1666	1667	1670	1670	1672	1672			
15	1615	1613	1610	1609	1608	1608	1606	1605	1600	1599	1603	1606	1610	1610	1611	1612			
20	1533	1531	1527	1526	1524	1524	1520	1519	1512	1512	1517	1520	1528	1525	1528	1527			
25	1430	1427	1423	1423	1419	1420	1414	1414	1406	1405	1410	1414	1421	1420	1423	1423			
30	1306	1301	1296	1296	1293	1293	1288	1288	1278	1274	1279	1285	1294	1293	1295	1297			
35	1153	1146	1137	1137	1134	1136	1131	1132	1117	1109	1115	1120	1131	1133	1136	1140			
40	955	950	933	930	934	930	930	927	905	907	913	915	937	932	939	941			
45	747	769	739	741	766	736	755	742	706	736	726	730	777	746	764	754			
50	574	629	576	577	620	562	606	595	535	597	561	566	633	570	616	605			
55	434	500	432	428	478	415	471	458	402	472	418	420	491	423	475	473			
60	327	387	320	315	355	307	354	351	303	362	313	309	366	314	356	358			
65	248	285	241	234	262	226	262	265	232	268	236	228	269	232	264	269			
70	190	202	182	175	180	170	194	197	177	189	176	168	187	170	193	201			
75	136	136	127	120	113	116	130	136	127	126	122	115	115	115	131	139			
80	86.9	85.1	75.4	67.4	62.1	67.2	76.1	82.6	79.9	78.1	71.5	63.6	63.1	65.1	76.6	84.1			
85	45.9	43.2	33.9	24.7	19.7	26.9	36.5	43.7	43.2	40.2	32.2	22.3	19.2	24.4	35.2	42.4			
90	25.5	22.4	14.8	6.26	2.37	9.99	19.7	26.6	27.7	24.4	16.4	6.74	2.00	8.27	16.9	23.1			
95	22.8	20.1	14.1	6.92	3.12	10.4	19.0	25.0	26.2	23.2	16.2	7.32	2.79	8.84	16.2	21.2			
100	23.2	20.8	15.0	8.07	4.19	11.4	19.6	25.3	26.4	23.5	16.9	8.33	3.78	9.86	17.0	21.7			
105	23.7	21.3	15.9	9.35	5.49	12.6	20.3	25.6	26.6	23.9	17.6	9.54	5.01	10.9	17.6	22.1			
110	24.1	22.0	16.8	10.8	7.05	13.9	21.1	26.1	26.9	24.3	18.4	10.8	6.40	12.1	18.3	22.5			
115	24.6	22.6	17.2	12.4	8.60	15.1	21.0	26.6	27.3	24.6	18.7	12.2	7.84	13.4	18.3	23.1			
120	24.9	22.6	18.7	13.8	10.2	16.3	22.1	26.2	26.7	24.4	19.9	13.4	9.40	14.5	19.3	22.9			
125	25.4	23.6	20.0	15.2	12.1	17.6	23.3	27.1	27.5	25.2	20.9	14.8	11.1	15.9	20.7	23.7			
130	26.5	24.7	21.2	16.4	14.0	19.0	24.3	28.0	28.5	26.1	21.9	16.2	12.9	17.2	21.7	24.8			
135	27.2	25.5	22.0	17.6	15.8	20.2	25.0	28.5	28.8	26.6	22.7	17.6	14.6	18.1	22.7	25.5			
140	27.7	26.2	22.9	18.8	17.7	21.4	25.6	28.8	28.8	27.0	23.5	18.9	16.3	19.1	23.3	26.1			
145	28.0	26.7	22.8	19.9	19.5	22.4	26.1	28.8	28.8	27.3	24.2	19.8	18.0	20.0	23.9	26.5			
150	28.1	27.1	23.4	20.7	21.3	23.3	26.5	28.8	28.6	27.4	24.7	20.9	19.9	20.9	23.8	26.8			
155	28.1	27.3	24.0	22.1	23.2	23.6	26.8	28.6	28.4	27.4	25.2	22.5	21.8	21.8	24.3	27.1			
160	28.1	26.8	24.7	24.0	24.9	24.9	26.9	28.4	28.0	27.3	25.5	24.0	23.8	22.9	24.8	27.5			
165	28.1	26.4	24.9	25.5	26.3	26.1	26.3	28.0	27.6	27.0	25.8	25.7	25.5	24.7	24.7	27.5			
170	27.3	25.9	26.2	27.0	27.4	27.4	27.1	27.2	26.9	26.8	26.9	27.0	27.0	26.4	25.7	25.8			
175	27.9	26.9	27.6	27.9	28.1	28.1	28.0	27.7	27.5	27.6	27.9	27.8	28.0	27.7	27.3	26.6			
180	28.5	27.8	28.2	28.2	28.4	28.3	28.1	27.5	28.5	27.8	28.2	28.2	28.4	28.3	28.2	27.5			

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