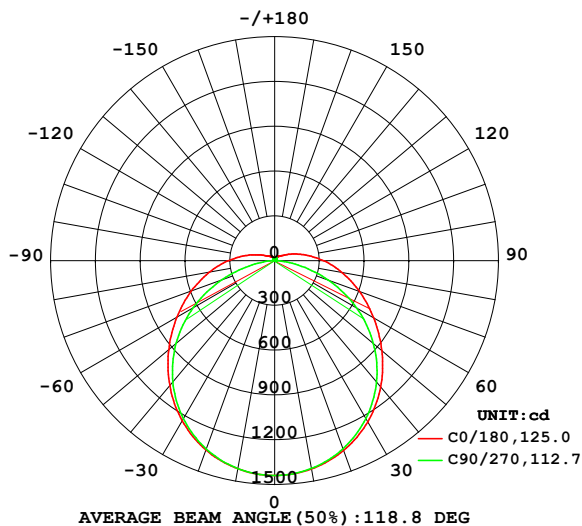


LUMINAIRE PHOTOMETRIC TEST REPORT

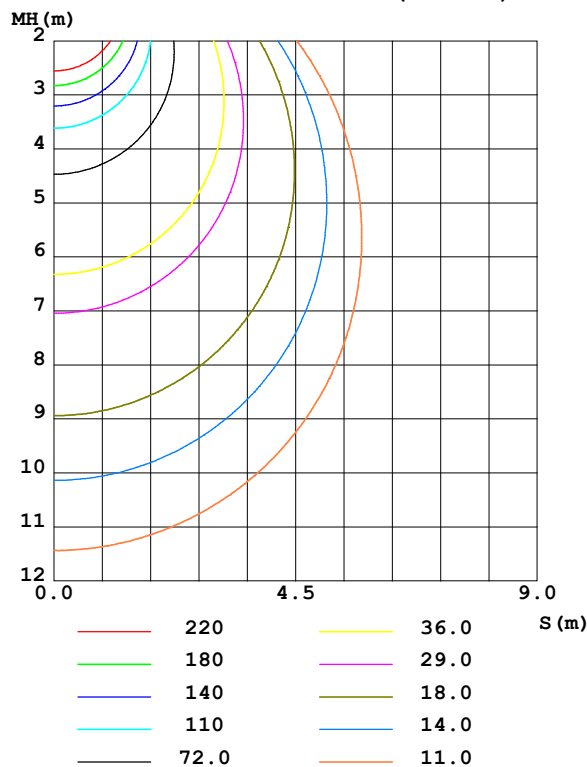
Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 134.89 lm/W
MODEL		I _{max} (cd)	1440	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	37.1	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5006.2	η UP,DN(C0-180)	3.9,46.3	
NOMINAL FLUX(lm)	5006.16	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.8,46.0	
LAMPS INSIDE	1	η up (%)	7.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down (%)	92.3	CIBSE SHR MAX	1.35	

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:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
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, lamp
10	1418	1416	1414	1417	1416	1416	1415	1416	0- 10	136.3	136.3	2.72,2.72
20	1353	1346	1341	1347	1349	1346	1342	1346	10- 20	391.6	527.9	10.5,10.5
30	1248	1234	1222	1234	1239	1232	1223	1234	20- 30	597.1	1125	22.5,22.5
40	1105	1083	1062	1081	1093	1078	1061	1082	30- 40	726.7	1852	37,37
50	937.7	900.5	864.2	898.2	925.9	890.8	861.6	898.9	40- 50	765.5	2617	52.3,52.3
60	766.3	700.6	634.8	701.3	756.2	689.7	629.9	701.4	50- 60	714.4	3332	66.5,66.5
70	605.0	505.9	383.5	512.1	594.5	494.2	374.1	510.2	60- 70	591.2	3923	78.4,78.4
80	457.8	338.4	141.8	345.5	442.4	326.1	133.4	346.8	70- 80	428.0	4351	86.9,86.9
90	327.1	204.8	8.879	210.0	310.0	191.7	6.785	215.4	80- 90	269.6	4620	92.3,92.3
100	217.3	111.8	7.173	113.7	199.6	99.26	6.536	121.1	90-100	157.4	4778	95.4,95.4
110	132.8	58.96	9.889	58.75	117.1	51.23	9.021	65.16	100-110	88.48	4866	97.2,97.2
120	75.15	37.41	12.51	38.23	66.31	34.92	11.55	39.89	110-120	49.33	4916	98.2,98.2
130	50.33	31.20	15.10	32.28	47.02	30.00	14.07	31.93	120-130	31.25	4947	98.8,98.8
140	38.92	26.84	17.46	28.98	37.67	27.15	16.48	27.83	130-140	22.79	4970	99.3,99.3
150	31.70	24.16	19.43	26.58	31.60	25.21	18.65	24.06	140-150	16.55	4986	99.6,99.6
160	26.59	22.71	21.14	24.84	27.00	23.34	20.42	22.31	150-160	11.28	4997	99.8,99.8
170	23.10	22.28	22.26	23.18	23.70	22.68	21.95	21.98	160-170	6.516	5004	100,100
180	23.12	22.53	22.67	22.66	23.14	22.59	22.65	22.63	170-180	2.154	5006	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2235.4 lm

%lum = 44.7%

%lamp = 44.7%

Conical surface Flux(120deg): 3331.6 lm

%lum = 66.5%

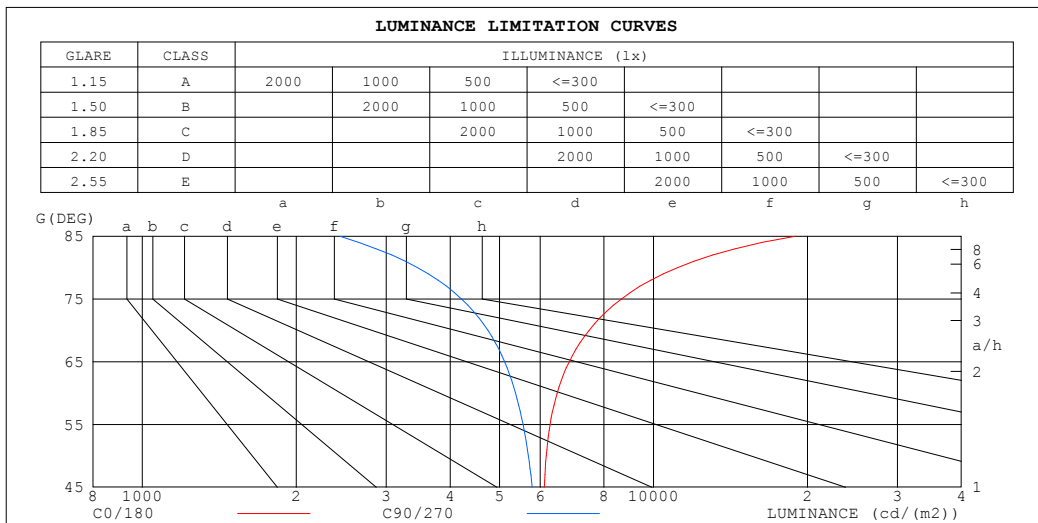
%lamp = 66.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



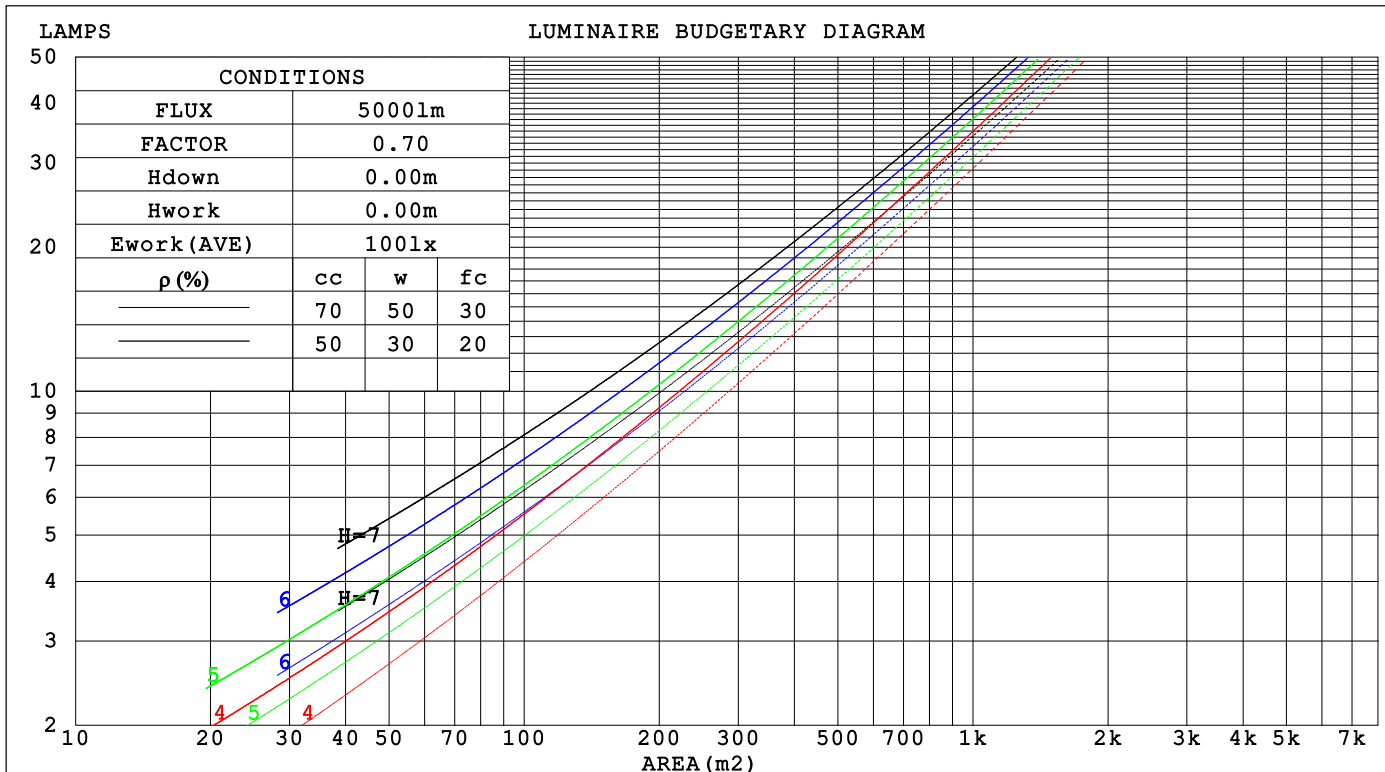
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18924	2436
80	11148	3455
75	8653	4207
70	7479	4745
65	6839	5111
60	6480	5373
55	6274	5556
50	6168	5690
45	6118	5789

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92														
1.0	.00	.95	.90	.97	.92	.88	.91	.87	.84	.86	.83	.80	.81	.78	.76	.73														
2.0	.86	.78	.72	.83	.77	.71	.78	.73	.68	.74	.69	.65	.70	.66	.63	.60														
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.56	.52	.50														
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.45	.42														
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.39	.36														
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.32														
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.36	.31	.40	.34	.30	.28														
8.0	.44	.35	.29	.43	.34	.29	.41	.33	.28	.39	.32	.27	.37	.31	.27	.25														
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.28	.24	.22														
10.0	.37	.29	.23	.36	.28	.23	.34	.28	.23	.33	.27	.22	.32	.26	.22	.20														



```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

```

WEC AND CCEC

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
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	.356	.202	.064	.346	.197	.063	.328	.188	.060	.312	.180	.058	.297	.172	.055		
2.0	.317	.174	.053	.309	.170	.052	.293	.163	.051	.278	.156	.049	.264	.149	.047		
3.0	.286	.152	.046	.278	.149	.045	.264	.143	.043	.251	.137	.042	.239	.132	.041		
4.0	.260	.135	.040	.253	.132	.039	.240	.127	.038	.228	.123	.037	.217	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.209	.110	.033	.199	.107	.032		
6.0	.219	.110	.031	.214	.108	.031	.203	.104	.030	.193	.100	.030	.184	.097	.029		
7.0	.203	.100	.028	.198	.099	.028	.188	.095	.027	.179	.092	.027	.171	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.088	.025	.167	.085	.024	.160	.082	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.148	.073	.021	.141	.071	.020		

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	.249	.249	.249	.213	.213	.213	.145	.145	.145	.084	.084	.084	.027	.027	.027		
1.0	.243	.215	.190	.208	.184	.163	.142	.127	.113	.082	.073	.066	.026	.024	.021		
2.0	.235	.191	.155	.201	.165	.134	.138	.114	.093	.080	.066	.055	.026	.021	.018		
3.0	.227	.174	.132	.195	.150	.114	.134	.104	.080	.077	.061	.047	.025	.020	.015		
4.0	.220	.161	.117	.188	.139	.102	.130	.097	.072	.075	.057	.042	.024	.019	.014		
5.0	.212	.151	.106	.182	.131	.093	.125	.091	.065	.073	.054	.039	.023	.018	.013		
6.0	.205	.143	.099	.176	.124	.086	.121	.087	.061	.070	.051	.036	.023	.017	.012		
7.0	.198	.136	.093	.170	.118	.081	.117	.083	.058	.068	.049	.034	.022	.016	.011		
8.0	.191	.131	.089	.164	.113	.078	.114	.080	.055	.066	.047	.033	.021	.015	.011		
9.0	.185	.126	.086	.159	.109	.075	.110	.077	.053	.064	.045	.032	.021	.015	.011		
10.0	.179	.122	.083	.154	.106	.073	.107	.074	.052	.062	.044	.031	.020	.014	.010		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm										
NAME: LED445-W46 (37W 200mA 6000K)						TYPE:		WEIGHT:		
SPEC.:						DIM.: 0.236350		SERIAL No.: 1		
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	18.9	20.4	19.3	20.7	21.1	18.2	19.6	18.6	20.0	20.3
3H	21.1	22.4	21.5	22.8	23.2	19.6	21.0	20.1	21.4	21.8
4H	22.3	23.6	22.7	23.9	24.4	20.2	21.5	20.6	21.9	22.3
6H	23.5	24.8	24.0	25.2	25.6	20.6	21.8	21.0	22.2	22.7
8H	24.2	25.4	24.7	25.8	26.3	20.7	21.9	21.1	22.3	22.7
12H	25.1	26.2	25.5	26.6	27.1	20.7	21.8	21.2	22.3	22.8
4H 2H	19.5	20.8	19.9	21.2	21.6	18.9	20.2	19.4	20.6	21.0
3H	21.9	23.0	22.4	23.5	23.9	20.6	21.8	21.1	22.2	22.7
4H	23.3	24.3	23.7	24.8	25.3	21.3	22.4	21.8	22.8	23.3
6H	24.8	25.7	25.3	26.2	26.7	21.9	22.8	22.4	23.3	23.8
8H	25.6	26.4	26.1	26.9	27.5	22.0	22.9	22.6	23.4	24.0
12H	26.5	27.3	27.1	27.8	28.4	22.1	22.9	22.7	23.5	24.0
8H 4H	23.6	24.5	24.1	25.0	25.5	22.0	22.8	22.5	23.3	23.9
6H	25.3	26.1	25.9	26.6	27.2	22.8	23.5	23.3	24.0	24.6
8H	26.4	27.0	27.0	27.6	28.2	23.1	23.7	23.7	24.3	24.9
12H	27.6	28.1	28.2	28.7	29.4	23.3	23.9	23.9	24.5	25.1
12H 4H	23.6	24.4	24.1	24.9	25.5	22.1	23.0	22.7	23.5	24.0
6H	25.5	26.1	26.0	26.7	27.3	23.1	23.8	23.7	24.3	24.9
8H	26.6	27.1	27.2	27.7	28.4	23.6	24.1	24.2	24.7	25.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117, 5006 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.6)
Area: 0.23635 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

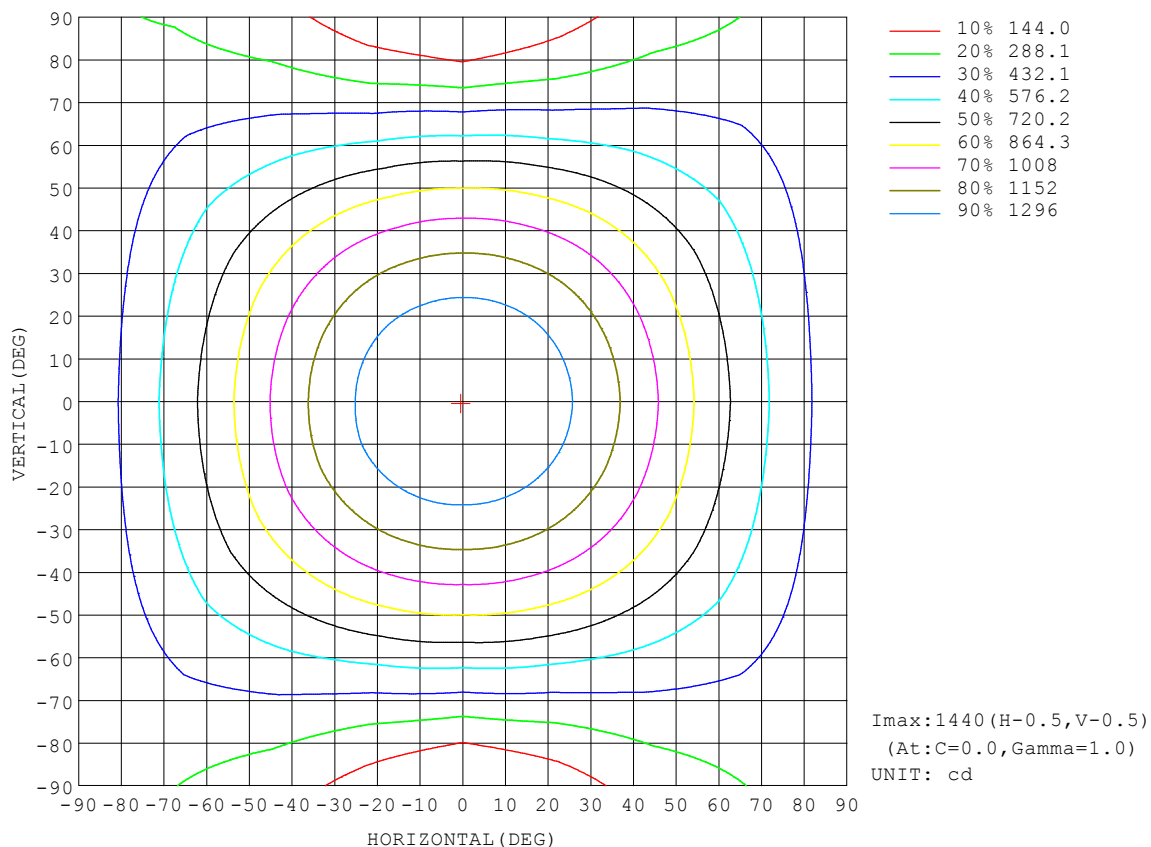
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	34	51	40	33	27
0.80	62	50	42	61	50	42	59	49	42	34
1.00	70	58	51	69	58	50	66	59	49	42
1.25	77	66	58	76	65	57	72	63	56	48
1.50	82	71	63	80	70	63	77	68	61	53
2.00	89	80	72	87	78	71	83	75	69	60
2.50	94	85	77	91	83	76	86	79	74	64
3.00	97	89	82	94	87	81	89	83	78	68
4.00	102	95	89	99	92	87	93	88	84	72
5.00	104	98	93	101	96	91	95	91	87	75
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: 2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

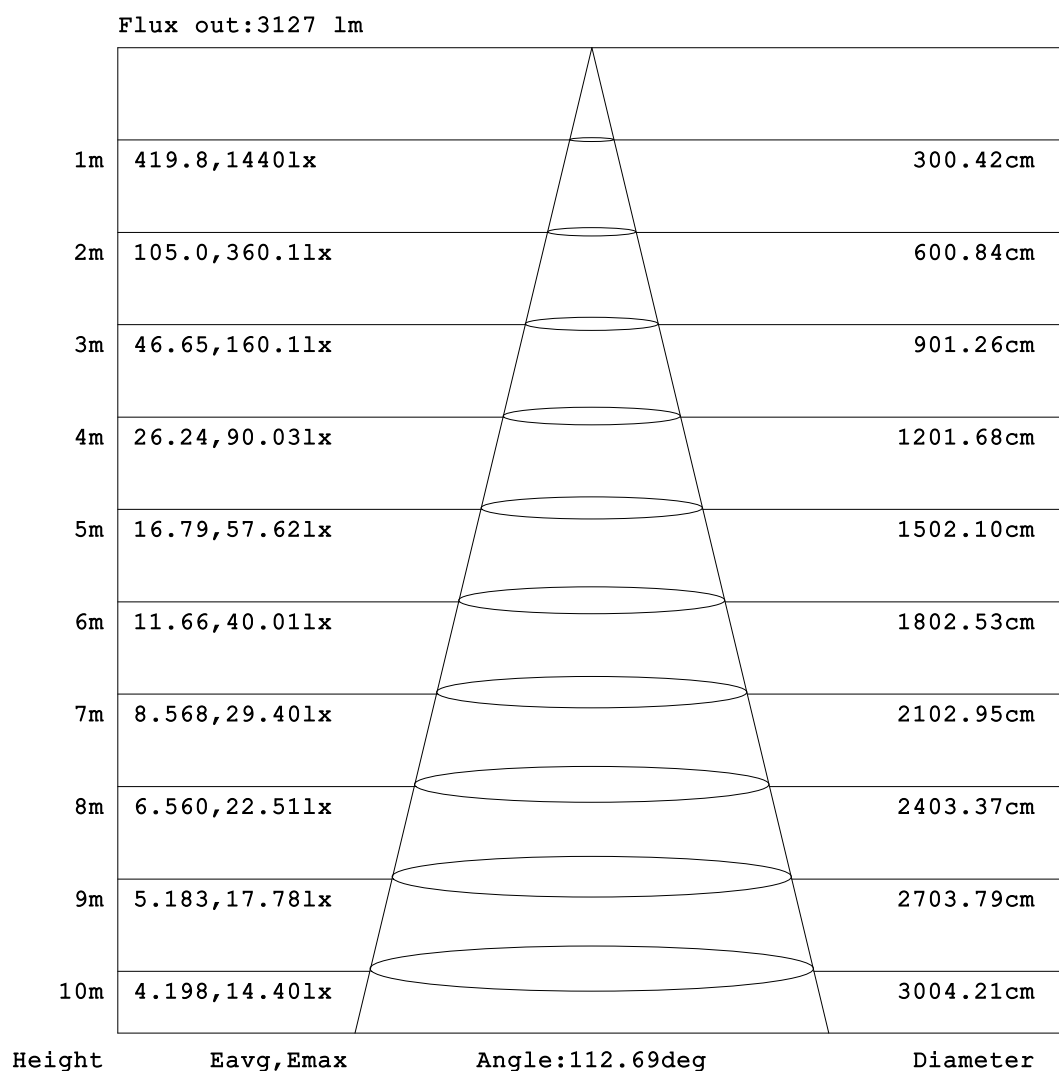


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



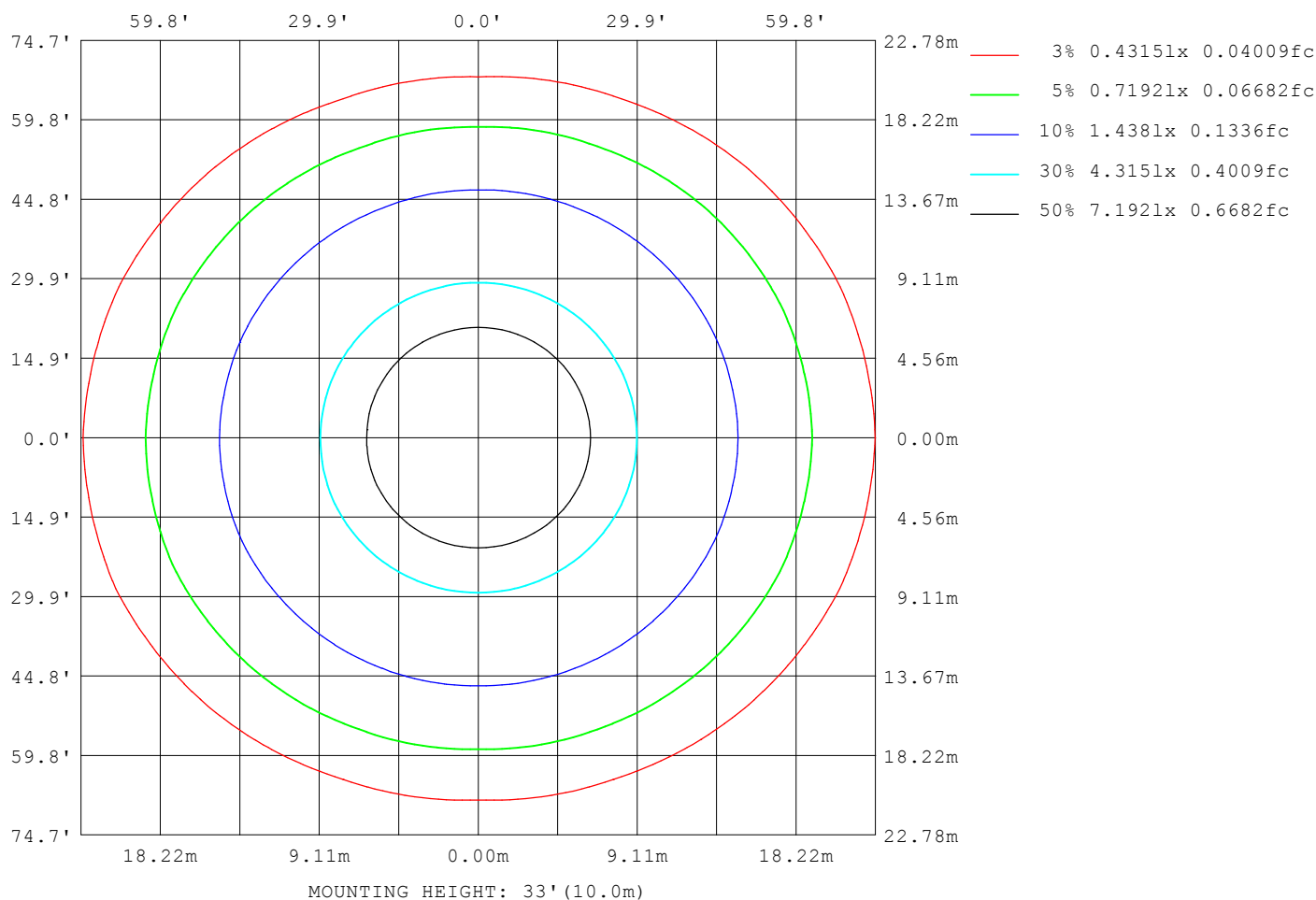
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

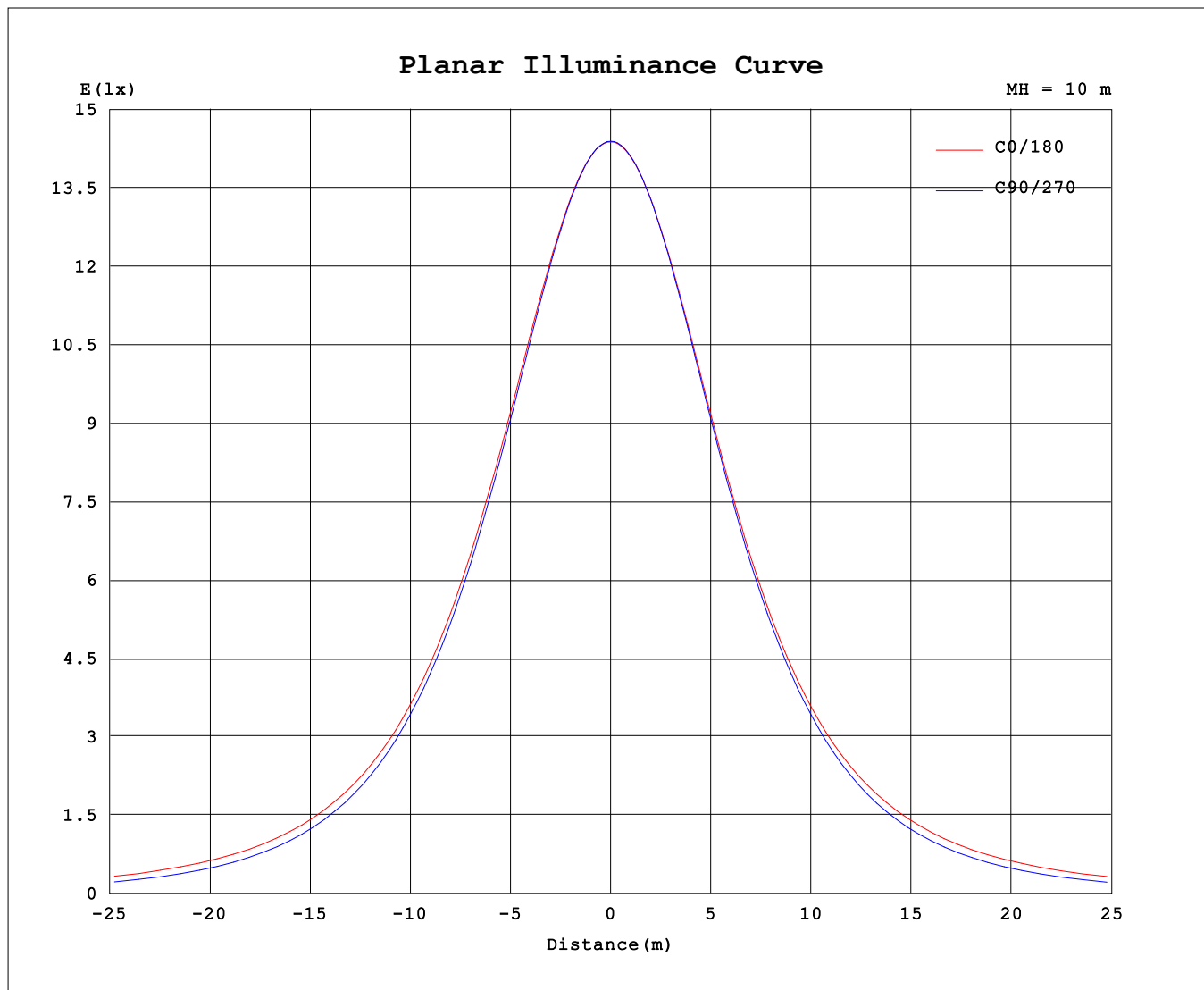
AvgL	cd/m2
L_0~180 (65) av	6795
L_0~180 (75) av	8541
L_0~180 (85) av	18538
L_90~270 (65) av	5067
L_90~270 (75) av	4132
L_90~270 (85) av	2330
L_45 (65) av	6008
L_45 (75) av	6841
L_45 (85) av	12984

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



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 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity: 65.0%
 Test Distance: 12.020m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.39V I:0.1664A P:37.114W PF:0.9679 Freq:50.00Hz Lamp Flux:5006.16x1 lm		
NAME: LED445-W46 (37W 200mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
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	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439			
5	1434	1434	1434	1434	1433	1433	1434	1435	1433	1434	1433	1433	1433	1433	1433	1434			
10	1418	1418	1416	1415	1414	1415	1417	1418	1416	1416	1416	1415	1415	1415	1416	1417			
15	1391	1390	1387	1385	1384	1386	1387	1391	1388	1388	1387	1385	1384	1385	1387	1389			
20	1353	1351	1346	1343	1341	1344	1347	1352	1349	1348	1346	1343	1342	1343	1346	1350			
25	1305	1303	1296	1290	1287	1291	1296	1302	1299	1298	1295	1289	1288	1290	1295	1300			
30	1248	1244	1234	1227	1222	1227	1234	1242	1239	1237	1232	1225	1223	1226	1234	1240			
35	1181	1176	1163	1153	1147	1153	1162	1173	1170	1167	1159	1149	1147	1152	1162	1171			
40	1105	1099	1083	1070	1062	1069	1081	1095	1093	1088	1078	1064	1061	1068	1082	1094			
45	1023	1015	995	977	967	976	993	1010	1011	1003	987	970	966	975	994	1011			
50	938	926	901	877	864	876	898	924	926	915	891	867	862	874	899	923			
55	851	836	801	770	753	768	800	835	841	825	791	758	749	766	801	833			
60	766	746	701	657	635	656	701	748	756	736	690	643	630	653	701	745			
65	684	659	601	539	510	539	605	662	674	649	591	525	502	538	605	660			
70	605	577	506	425	383	426	512	580	594	566	494	409	374	425	510	578			
75	530	496	418	316	257	321	425	498	515	486	406	300	248	320	425	501			
80	458	423	338	219	142	228	345	424	442	411	326	205	133	227	347	428			
85	390	355	266	142	50.2	152	273	354	374	341	254	129	45.8	152	277	359			
90	327	293	205	85.0	8.88	94.1	210	290	310	277	192	74.7	6.79	96.0	215	297			
95	269	237	153	49.0	6.48	55.7	157	233	252	220	140	41.6	5.50	58.5	164	241			
100	217	187	112	30.0	7.17	34.3	114	182	200	170	99.3	26.3	6.54	36.7	121	191			
105	172	144	80.7	22.2	8.52	25.0	81.3	139	154	129	70.3	20.4	7.75	26.3	88.4	148			
110	133	110	59.0	19.9	9.89	21.9	58.8	104	117	96.0	51.2	18.9	9.02	22.5	65.2	113			
115	102	83.6	43.8	19.0	11.2	20.6	44.7	78.1	88.8	69.8	39.1	18.5	10.3	20.9	47.2	85.9			
120	75.1	61.3	37.4	18.8	12.5	20.2	38.2	59.1	66.3	53.6	34.9	18.3	11.6	19.9	39.9	62.7			
125	59.8	50.3	33.7	18.8	13.8	20.7	34.7	49.3	54.1	46.0	32.1	18.8	12.8	19.6	35.1	51.0			
130	50.3	43.5	31.2	18.9	15.1	21.0	32.3	43.4	47.0	41.4	30.0	19.2	14.1	19.6	31.9	43.9			
135	43.6	38.9	29.0	19.1	16.3	21.3	30.4	39.2	41.9	37.6	28.2	19.8	15.3	19.4	29.7	39.1			
140	38.9	35.3	26.8	19.3	17.5	21.6	29.0	35.6	37.7	34.5	27.1	20.2	16.5	19.4	27.8	35.5			
145	35.0	32.2	24.9	19.6	18.5	21.9	27.7	32.8	34.3	31.9	26.2	20.0	17.6	19.4	25.4	32.4			
150	31.7	29.7	24.2	19.9	19.4	21.6	26.6	30.6	31.6	29.7	25.2	20.4	18.7	19.5	24.1	29.6			
155	29.0	27.6	23.2	20.6	20.3	22.0	25.6	28.4	29.1	27.6	24.4	20.8	19.5	20.1	23.1	27.5			
160	26.6	25.1	22.7	21.1	21.1	22.2	24.8	26.8	27.0	26.1	23.3	21.3	20.4	20.6	22.3	25.5			
165	24.5	23.4	22.3	21.5	21.8	22.4	23.8	24.8	25.3	24.2	23.0	21.7	21.2	21.0	22.0	23.4			
170	23.1	22.7	22.3	21.9	22.3	22.5	23.2	23.7	23.7	23.4	22.7	22.1	21.9	21.5	22.0	22.5			
175	22.6	22.4	22.3	22.4	22.6	22.6	22.8	22.9	23.1	22.8	22.6	22.4	22.4	22.1	22.1	22.3			
180	23.1	22.6	22.5	22.5	22.7	22.6	22.7	22.7	23.1	22.7	22.6	22.5	22.7	22.6	22.6	22.6			

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