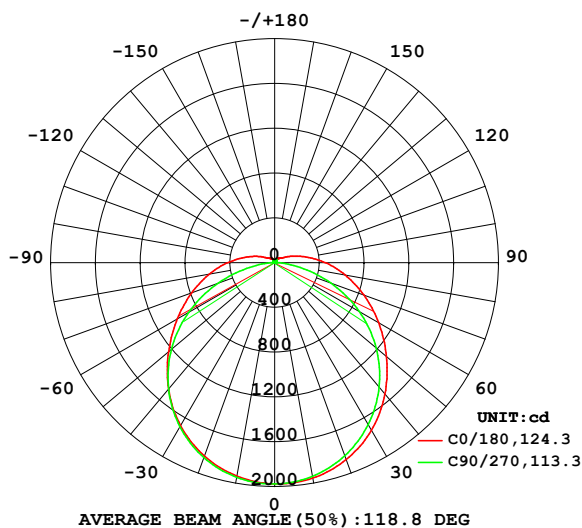


LUMINAIRE PHOTOMETRIC TEST REPORT

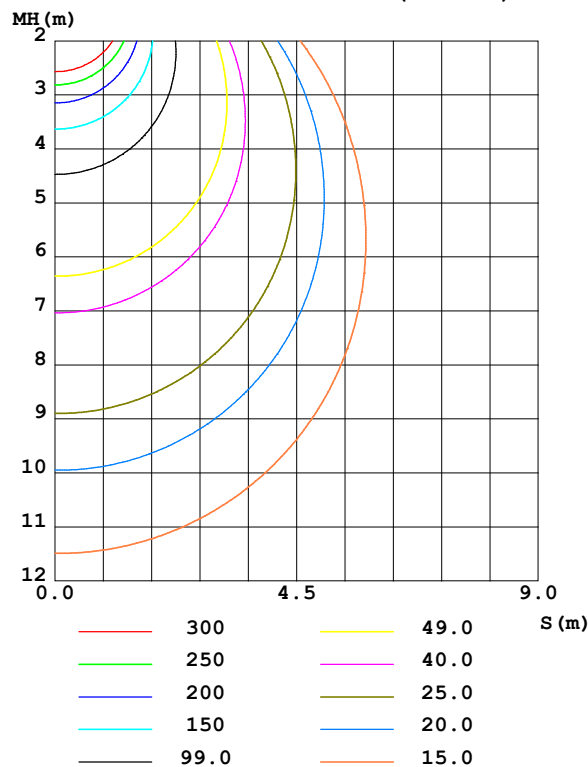
Test:U:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 123.80 lm/W
MODEL		I _{max} (cd)	1978	S/MH(C0/180)		1.27
NOMINAL POWER(W)	55.6	LOR(%)	100.0	S/MH(C90/270)		1.27
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	6871.8	η UP,DN(C0-180)		3.9,46.2
NOMINAL FLUX(lm)	6871.79	CIE CLASS	DIRECT	η UP,DN(C180-360)		3.7,46.1
LAMPS INSIDE	1	η up (%)	7.6	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	240.3	η down (%)	92.4	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:2024-04-03

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	1955	1947	1939	1937	1936	1942	1948	1953	0- 10	187.2	187.2	2.72, 2.72
20	1871	1854	1835	1835	1838	1844	1852	1867	10- 20	537.9	725.1	10.6, 10.6
30	1729	1700	1671	1676	1681	1685	1693	1719	20- 30	820.3	1545	22.5, 22.5
40	1533	1492	1452	1465	1475	1471	1475	1514	30- 40	998.6	2544	37, 37
50	1305	1237	1183	1212	1237	1209	1203	1264	40- 50	1051	3595	52.3, 52.3
60	1072	954.4	873.5	945.0	1003	919.3	886.0	998.8	50- 60	980.1	4575	66.6, 66.6
70	849.0	681.7	534.0	699.7	788.1	644.5	534.5	746.5	60- 70	811.9	5387	78.4, 78.4
80	639.9	442.6	204.4	486.7	592.5	411.1	198.0	517.9	70- 80	589.3	5977	87, 87
90	452.5	253.5	19.61	312.8	419.2	235.1	16.65	329.3	80- 90	371.8	6348	92.4, 92.4
100	294.5	126.5	10.93	182.8	276.8	119.0	9.447	187.0	90-100	217.1	6566	95.5, 95.5
110	172.9	59.48	14.26	99.35	167.4	59.63	12.28	94.00	100-110	121.4	6687	97.3, 97.3
120	92.26	42.51	17.53	57.14	92.47	40.43	15.25	54.44	110-120	65.96	6753	98.3, 98.3
130	63.26	37.43	20.71	46.66	62.72	35.92	18.31	44.95	120-130	40.87	6794	98.9, 98.9
140	50.92	33.00	23.67	40.67	50.35	33.16	21.44	38.37	130-140	29.92	6824	99.3, 99.3
150	41.94	30.85	26.22	36.29	41.34	31.23	24.39	33.25	140-150	21.84	6846	99.6, 99.6
160	35.09	29.76	28.26	32.68	34.94	29.26	26.79	30.46	150-160	14.82	6860	99.8, 99.8
170	31.09	29.61	29.59	30.30	30.38	29.19	28.82	29.51	160-170	8.585	6869	100, 100
180	30.37	29.85	30.00	30.02	30.34	29.86	29.99	29.99	170-180	2.844	6872	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3071.2 lm

%lum = 44.7%

%lamp = 44.7%

Conical surface Flux(120deg): 4575.3 lm

%lum = 66.6%

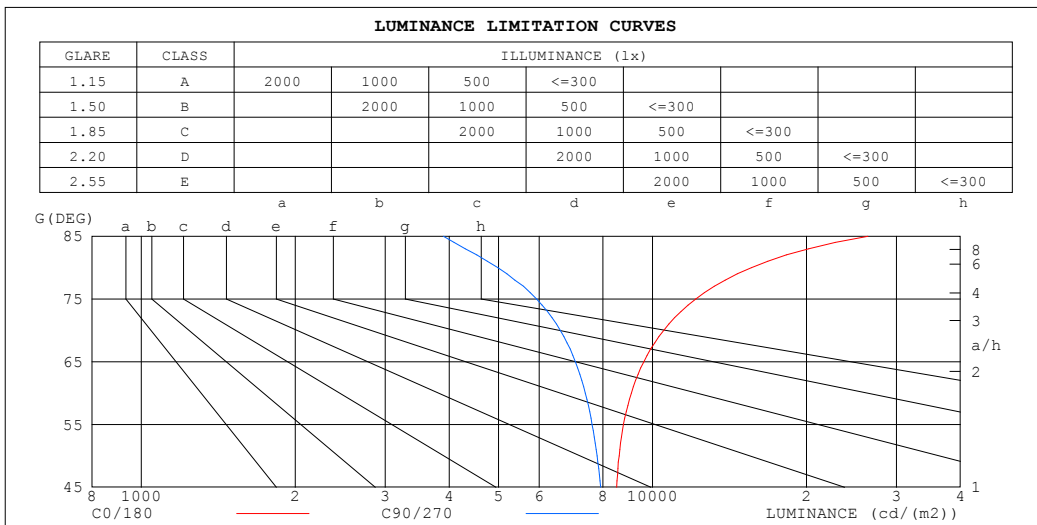
%lamp = 66.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	26401	3899
80	15613	4981
75	12152	5931
70	10518	6605
65	9612	7060
60	9087	7391
55	8774	7619
50	8602	7788
45	8512	7918

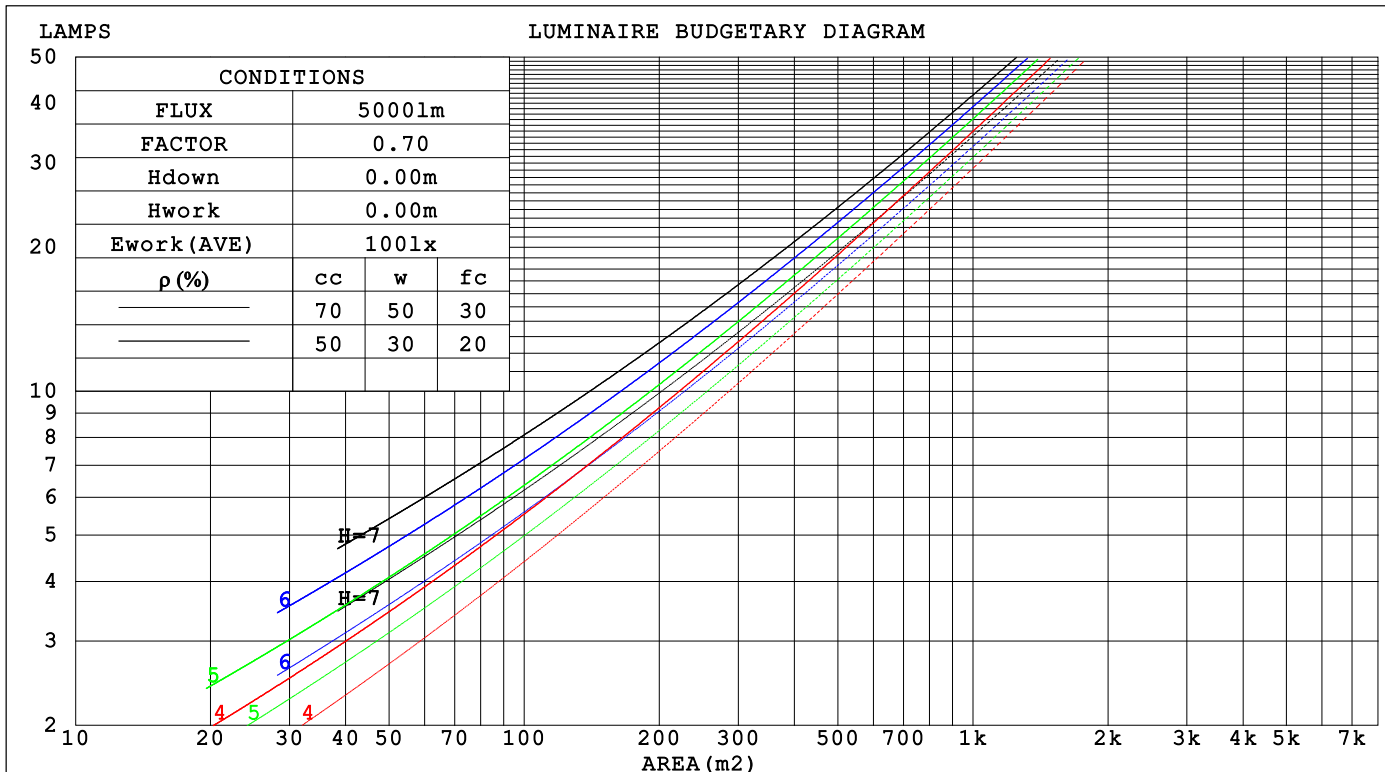
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-03

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	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	.79	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.57	.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



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	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	.198	.063	.329	.189	.060	.312	.180	.058	.297	.172	.056		
2.0	.317	.174	.053	.309	.170	.052	.293	.163	.051	.278	.156	.049	.265	.150	.047		
3.0	.286	.152	.046	.279	.149	.045	.264	.143	.044	.251	.138	.042	.239	.132	.041		
4.0	.260	.135	.040	.253	.133	.039	.240	.128	.038	.229	.123	.037	.217	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.210	.111	.033	.200	.107	.032		
6.0	.219	.110	.031	.214	.108	.031	.203	.104	.030	.193	.101	.030	.184	.097	.029		
7.0	.203	.100	.028	.198	.099	.028	.188	.095	.027	.180	.092	.027	.171	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.176	.088	.025	.168	.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	.162	.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	.212	.212	.212	.145	.145	.145	.083	.083	.083	.027	.027	.027		
1.0	.242	.214	.189	.207	.184	.163	.142	.126	.113	.082	.073	.065	.026	.024	.021		
2.0	.235	.191	.154	.201	.164	.133	.138	.114	.093	.079	.066	.054	.025	.021	.018		
3.0	.227	.174	.131	.194	.150	.114	.133	.104	.080	.077	.061	.047	.025	.020	.015		
4.0	.219	.161	.116	.188	.139	.101	.129	.097	.071	.075	.057	.042	.024	.018	.014		
5.0	.211	.151	.106	.182	.130	.092	.125	.091	.065	.072	.053	.039	.023	.017	.013		
6.0	.204	.142	.098	.175	.123	.086	.121	.086	.061	.070	.051	.036	.023	.017	.012		
7.0	.197	.136	.093	.169	.118	.081	.117	.082	.057	.068	.049	.034	.022	.016	.011		
8.0	.190	.130	.088	.164	.113	.077	.113	.079	.055	.066	.047	.033	.021	.015	.011		
9.0	.184	.125	.085	.159	.109	.074	.110	.076	.053	.064	.045	.031	.021	.015	.010		
10.0	.178	.121	.083	.154	.105	.072	.107	.074	.051	.062	.044	.031	.020	.014	.010		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm										
NAME: LED445-W46 (56W 300mA 4000K)						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	20.1	21.5	20.4	21.9	22.2	19.3	20.7	19.6	21.1	21.4
3H	22.3	23.6	22.7	24.0	24.4	20.7	22.1	21.1	22.5	22.9
4H	23.5	24.8	23.9	25.1	25.6	21.3	22.6	21.7	23.0	23.4
6H	24.7	26.0	25.2	26.4	26.8	21.7	22.9	22.1	23.3	23.7
8H	25.4	26.6	25.9	27.0	27.5	21.8	22.9	22.2	23.4	23.8
12H	26.2	27.4	26.7	27.8	28.3	21.8	22.9	22.3	23.4	23.9
4H 2H	20.6	21.9	21.1	22.3	22.7	20.0	21.3	20.4	21.7	22.1
3H	23.1	24.2	23.5	24.6	25.1	21.7	22.8	22.2	23.3	23.7
4H	24.4	25.5	24.9	25.9	26.4	22.4	23.4	22.9	23.9	24.4
6H	25.9	26.9	26.4	27.3	27.9	22.9	23.8	23.4	24.3	24.8
8H	26.7	27.6	27.3	28.1	28.7	23.0	23.9	23.6	24.4	25.0
12H	27.7	28.5	28.2	29.0	29.6	23.1	24.0	23.7	24.5	25.0
8H 4H	24.7	25.6	25.2	26.1	26.6	23.0	23.9	23.5	24.4	24.9
6H	26.5	27.2	27.0	27.7	28.3	23.7	24.5	24.3	25.0	25.6
8H	27.5	28.2	28.1	28.7	29.3	24.0	24.7	24.6	25.2	25.8
12H	28.7	29.3	29.3	29.8	30.5	24.2	24.8	24.8	25.4	26.0
12H 4H	24.7	25.5	25.3	26.0	26.6	23.2	24.0	23.7	24.5	25.0
6H	26.6	27.2	27.1	27.8	28.4	24.1	24.7	24.6	25.3	25.9
8H	27.7	28.2	28.3	28.8	29.5	24.4	25.0	25.0	25.6	26.2
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 / - 0.3				

CIE Pub.117, 6872 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.7)
Area: 0.23635 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

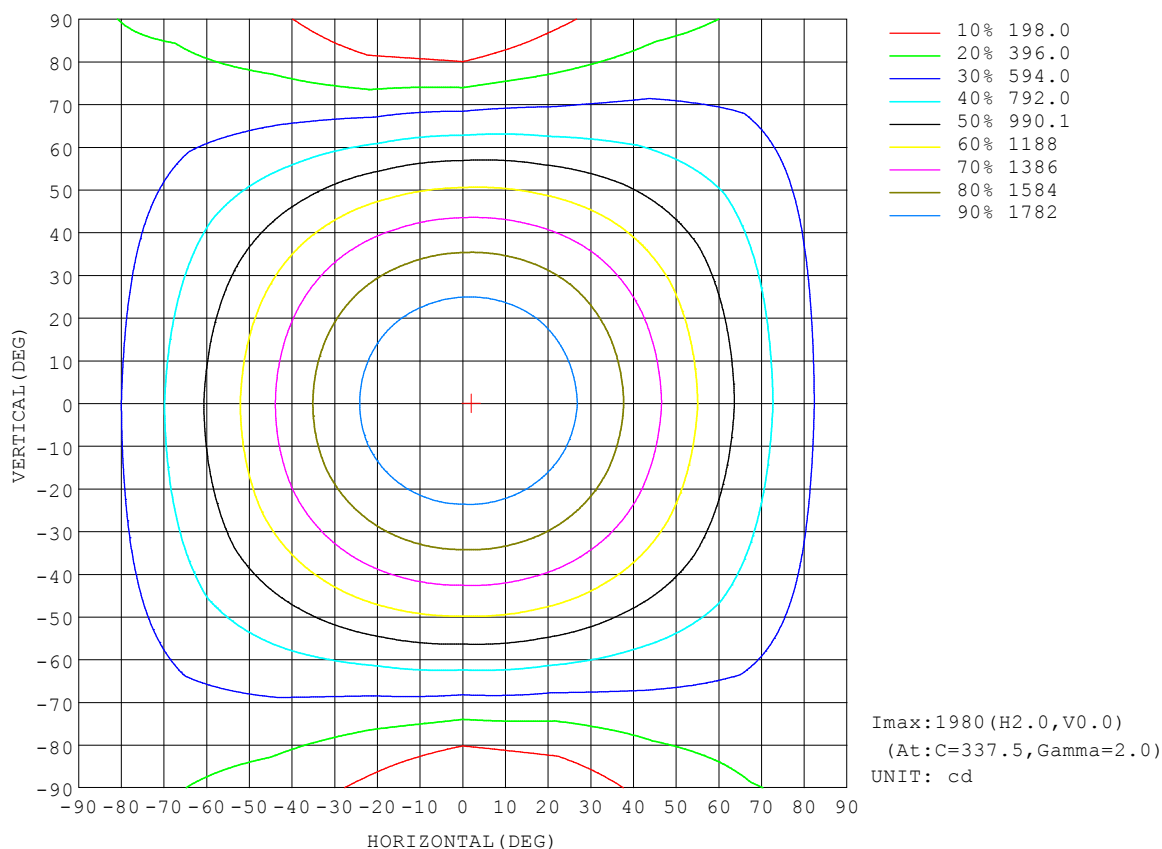
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	34	51	40	33	27
0.80	62	50	42	61	50	42	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	76
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: 2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

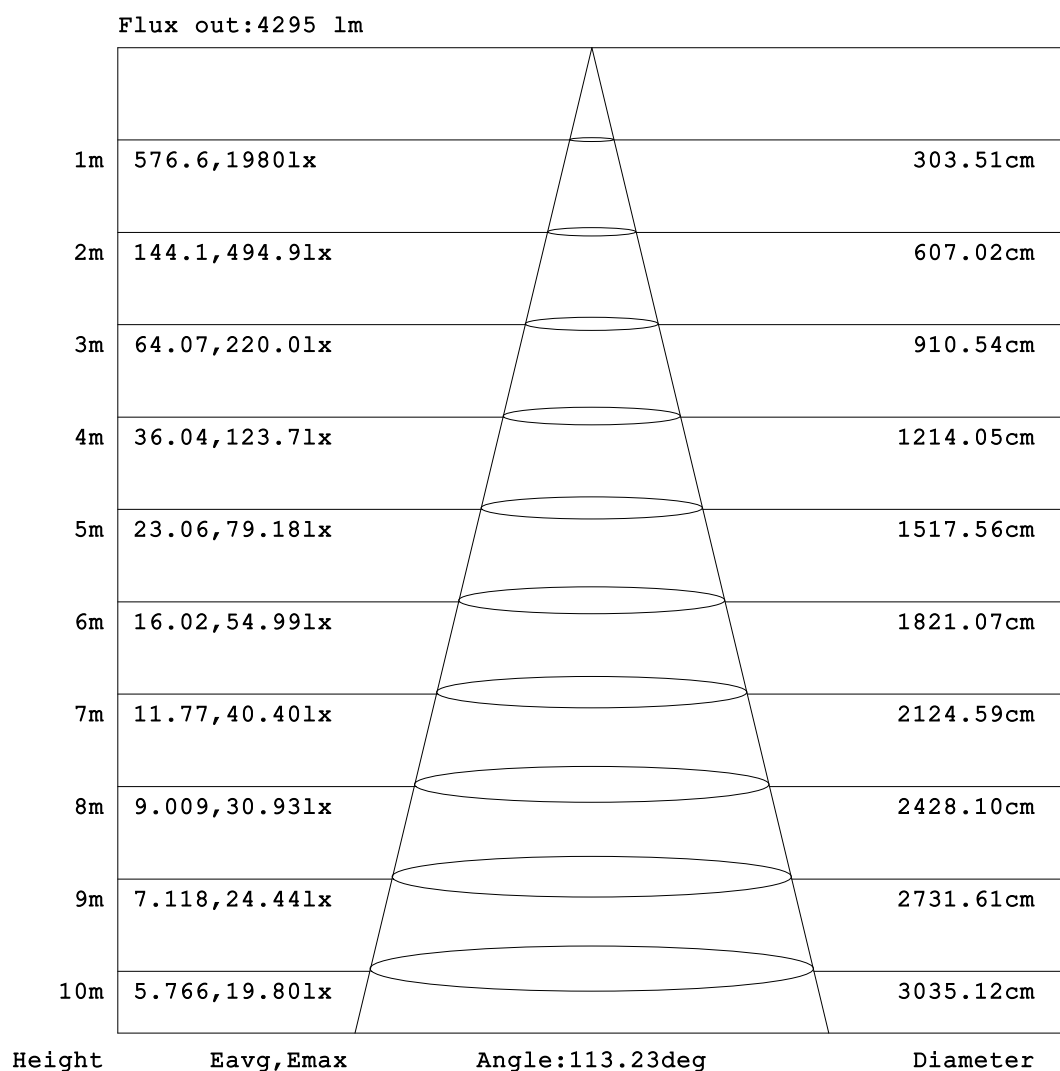


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



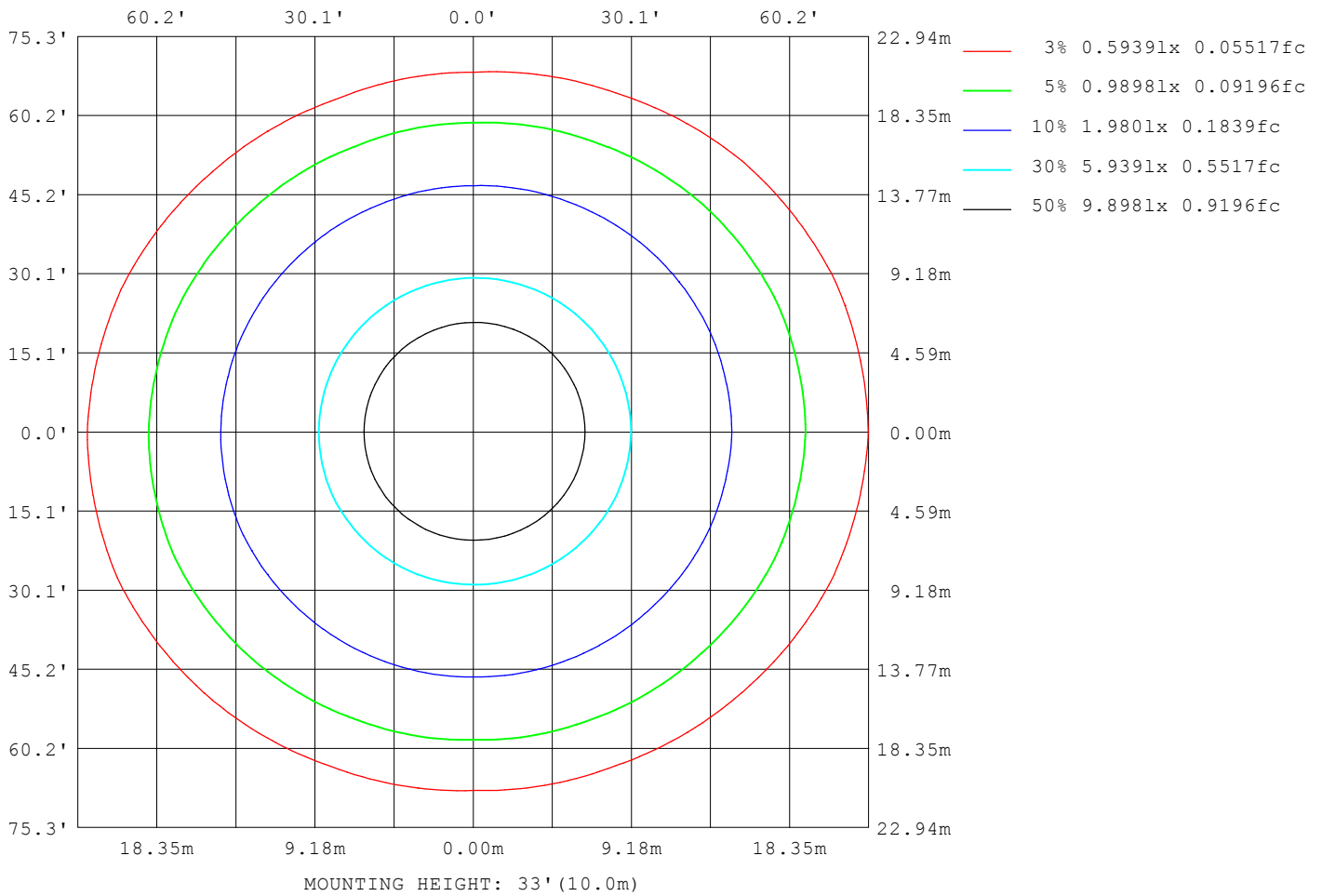
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	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:2024-04-03

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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm		
NAME: LED445-W46 (56W 300mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

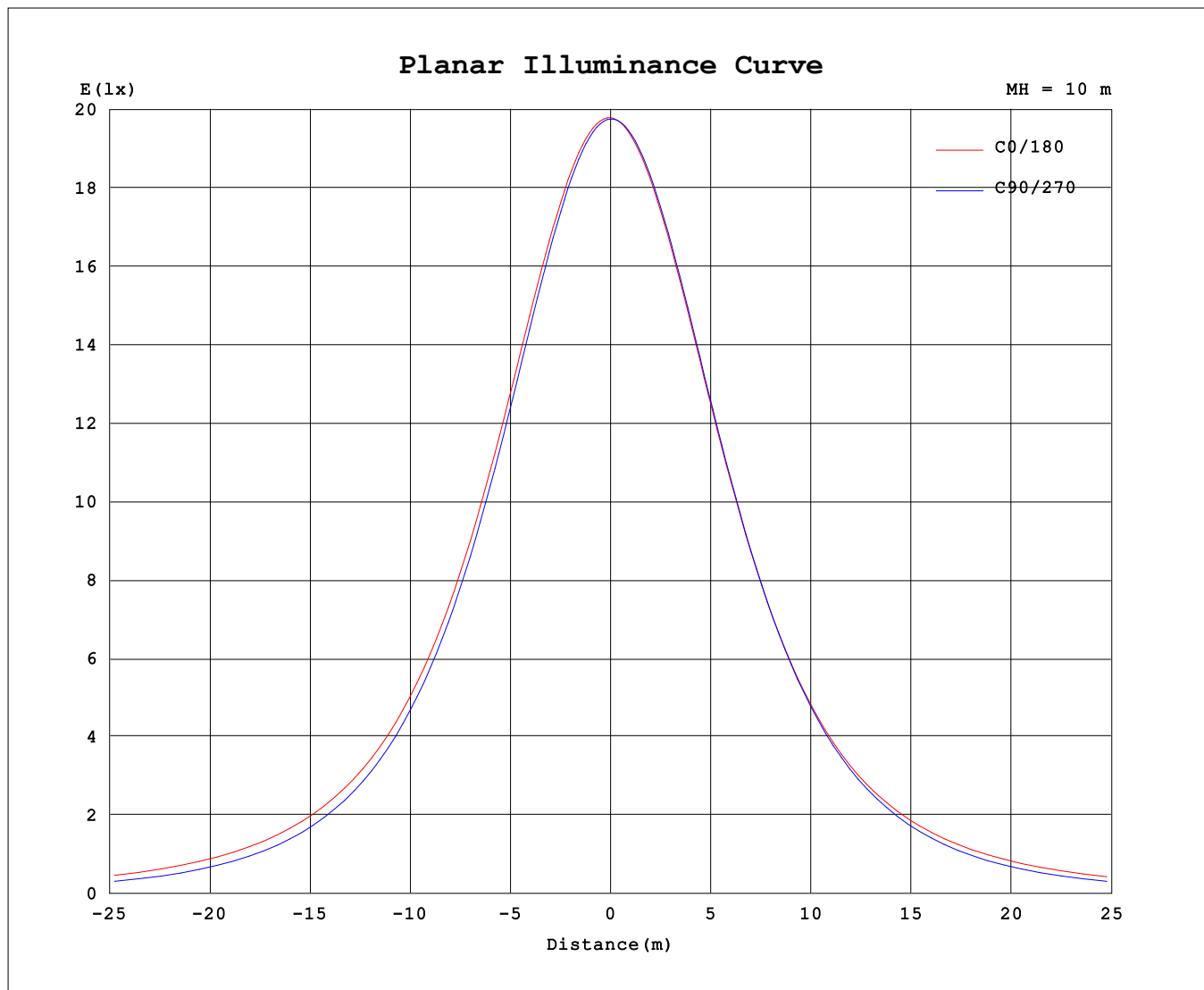
AvgL	cd/m2
L_0~180 (65) av	9269
L_0~180 (75) av	11688
L_0~180 (85) av	25348
L_90~270 (65) av	7104
L_90~270 (75) av	5902
L_90~270 (85) av	3748
L_45 (65) av	8210
L_45 (75) av	9378
L_45 (85) av	17832

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

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



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
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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:230.35V I:0.2452A P:55.506W PF:0.9828 Freq:50.00Hz Lamp Flux:6871.79x1 lm																	
NAME: LED445-W46 (56W 300mA 4000K)									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	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977			
5	1974	1973	1970	1968	1966	1966	1965	1965	1964	1966	1968	1969	1971	1972	1973	1974			
10	1955	1954	1947	1942	1939	1938	1937	1938	1936	1940	1942	1945	1948	1951	1953	1955			
15	1920	1918	1909	1901	1895	1894	1894	1896	1894	1898	1901	1904	1908	1914	1919	1920			
20	1871	1866	1854	1843	1835	1835	1835	1840	1838	1841	1844	1846	1852	1860	1867	1870			
25	1807	1800	1784	1770	1760	1761	1763	1769	1766	1770	1772	1773	1780	1790	1800	1806			
30	1729	1719	1700	1683	1671	1673	1676	1684	1681	1684	1685	1686	1693	1705	1719	1726			
35	1637	1625	1602	1582	1568	1570	1577	1587	1584	1585	1585	1583	1591	1606	1623	1633			
40	1533	1519	1492	1467	1452	1456	1465	1478	1475	1474	1471	1467	1475	1492	1514	1527			
45	1421	1402	1369	1341	1323	1329	1342	1360	1357	1353	1345	1338	1345	1366	1393	1413			
50	1305	1279	1237	1203	1183	1193	1212	1238	1237	1225	1209	1197	1203	1228	1264	1294			
55	1188	1154	1097	1055	1033	1046	1077	1116	1118	1097	1066	1045	1050	1081	1132	1174			
60	1072	1031	954	898	874	895	945	999	1003	973	919	883	886	927	999	1056			
65	959	910	815	736	705	741	818	886	893	853	777	716	714	771	870	941			
70	849	794	682	570	534	594	700	779	788	741	644	547	535	621	746	829			
75	742	682	557	412	363	457	589	677	688	635	520	386	359	481	629	721			
80	640	578	443	273	204	340	487	582	593	536	411	248	198	357	518	617			
85	543	477	341	162	80.3	242	394	490	501	444	316	143	74.1	251	418	520			
90	453	388	254	85.1	19.6	164	313	407	419	361	235	73.4	16.7	168	329	430			
95	369	308	182	41.9	9.95	107	242	333	344	288	170	36.3	8.54	106	252	348			
100	295	238	126	24.6	10.9	68.5	183	266	277	224	119	21.9	9.45	65.9	187	274			
105	229	179	86.7	21.3	12.6	46.5	135	208	218	170	82.7	19.2	10.8	43.7	135	210			
110	173	132	59.5	21.3	14.3	36.4	99.3	159	167	127	59.6	18.9	12.3	34.8	94.0	157			
115	129	95.5	46.2	21.8	15.8	32.6	70.2	120	127	90.6	46.2	19.3	13.7	32.0	66.9	116			
120	92.3	70.8	42.5	22.4	17.5	31.3	57.1	87.4	92.5	69.9	40.4	20.0	15.3	29.8	54.4	83.1			
125	73.3	59.7	40.0	23.0	19.2	30.8	50.6	69.8	73.5	58.6	37.9	20.8	16.8	29.2	48.9	66.7			
130	63.3	53.4	37.4	23.6	20.7	30.5	46.7	60.4	62.7	52.0	35.9	21.8	18.3	28.5	44.9	56.1			
135	56.6	48.8	35.3	24.3	22.2	30.4	43.4	54.2	55.8	47.5	34.4	22.7	19.9	27.8	41.5	51.4			
140	50.9	44.1	33.0	24.9	23.7	30.3	40.7	49.2	50.4	43.7	33.2	23.2	21.4	27.3	38.4	47.8			
145	46.1	41.5	31.7	25.8	25.0	30.0	38.3	44.9	45.5	40.4	32.2	24.3	23.0	27.0	35.6	43.7			
150	41.9	38.3	30.9	26.7	26.2	29.8	36.3	41.2	41.3	37.6	31.2	25.2	24.4	27.0	33.3	40.1			
155	38.2	34.9	30.3	27.5	27.3	29.4	34.4	38.0	37.9	35.2	30.3	26.1	25.6	27.1	31.6	36.9			
160	35.1	32.3	29.8	28.1	28.3	29.5	32.7	35.3	34.9	33.1	29.3	27.0	26.8	27.7	30.5	34.3			
165	32.8	31.1	29.8	28.8	29.0	29.5	31.0	32.8	32.4	30.8	29.1	27.9	27.9	28.2	29.6	32.1			
170	31.1	30.2	29.6	29.4	29.6	29.7	30.3	30.8	30.4	29.9	29.2	28.8	28.8	28.8	29.5	30.3			
175	30.4	29.8	29.7	29.8	29.9	29.9	30.0	30.1	29.9	29.6	29.6	29.5	29.5	29.4	29.8	30.1			
180	30.4	29.8	29.8	29.9	30.0	29.9	30.0	30.2	30.3	29.8	29.9	29.9	30.0	29.9	30.0	30.2			

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