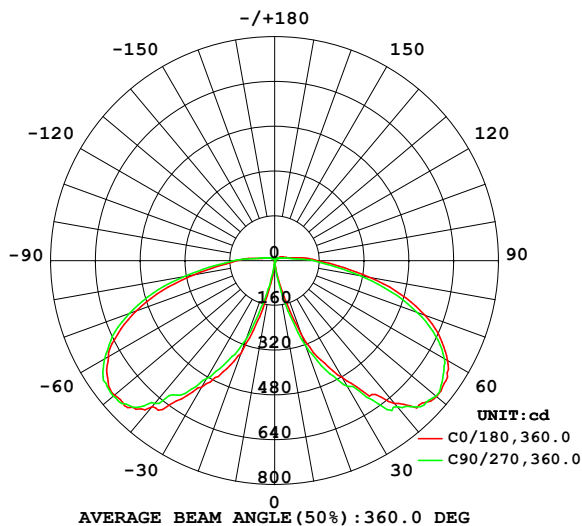


LUMINAIRE PHOTOMETRIC TEST REPORT

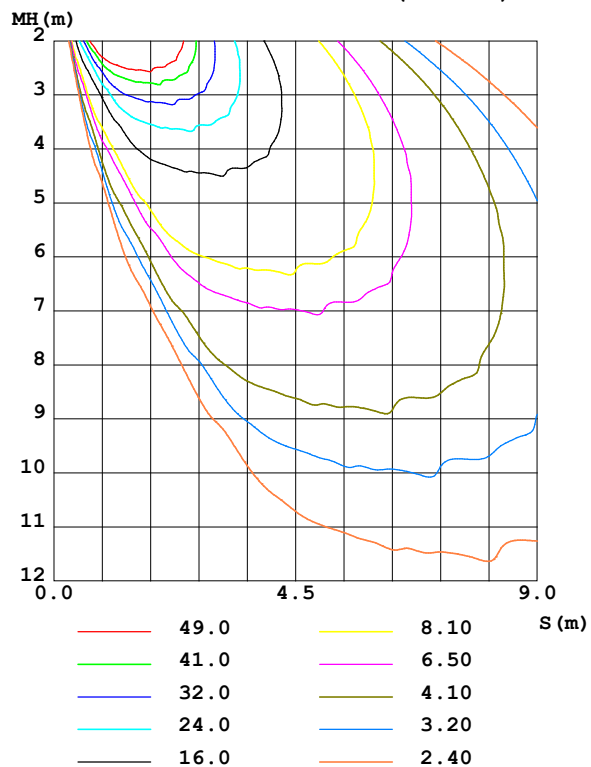
Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: HL-BL-MW-MCCT-24W-CR	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.: HAVELLS	SUR.: 0.15	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.47 lm/W			
MODEL	HL-BL-MW-MCCT-24W-CR	Imax (cd)	762.0	S/MH(C0/180)	10.19
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	9.94
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3339.3	η UP,DN(C0-180)	2.8,47.3
NOMINAL FLUX(lm)	3339.27	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.8,47.1
LAMPS INSIDE	1	η up (%)	5.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down (%)	94.4	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°C
Operators: DAMIN
Test Date: 2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [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	45.29	50.30	68.95	92.14	83.06	69.02	44.19	35.36	0- 10	2.159	2.159	0.06,0.06
20	280.0	280.3	321.7	345.5	352.7	318.5	296.9	262.4	10- 20	52.79	54.95	1.65,1.65
30	479.7	489.7	517.9	545.7	523.6	516.1	486.2	471.5	20- 30	191.8	246.8	7.39,7.39
40	666.5	668.0	680.8	729.5	680.8	681.0	665.9	627.0	30- 40	372.9	619.7	18.6,18.6
50	755.2	735.5	752.6	758.1	747.0	745.9	752.6	748.9	40- 50	561.4	1181	35.4,35.4
60	713.2	708.2	700.1	671.5	686.2	702.7	701.0	700.9	50- 60	657.5	1839	55.1,55.1
70	571.7	563.2	542.1	512.3	525.6	543.2	551.3	561.6	60- 70	622.9	2461	73.7,73.7
80	343.9	335.3	309.0	285.2	292.4	308.4	327.1	303.9	70- 80	459.3	2921	87.5,87.5
90	151.4	144.5	141.0	131.8	135.9	137.7	146.0	126.6	80- 90	232.3	3153	94.4,94.4
100	60.38	45.79	52.50	38.96	50.16	43.24	54.48	41.91	90-100	93.40	3246	97.2,97.2
110	36.65	24.76	28.76	20.49	30.71	23.02	29.99	23.15	100-110	38.95	3285	98.4,98.4
120	25.35	13.36	19.17	10.49	21.00	11.88	20.00	13.18	110-120	21.69	3307	99,99
130	16.71	10.78	11.77	10.66	12.55	11.15	12.31	9.862	120-130	12.44	3320	99.4,99.4
140	11.74	10.07	11.33	9.765	10.69	10.02	10.93	10.17	130-140	8.500	3328	99.7,99.7
150	11.00	7.656	9.671	7.054	9.399	6.023	9.164	6.339	140-150	6.135	3334	99.8,99.8
160	6.489	5.411	6.526	5.112	5.170	4.593	4.853	4.639	150-160	3.227	3337	99.9,99.9
170	5.635	5.403	5.229	5.248	4.989	4.801	4.879	4.840	160-170	1.413	3339	100,100
180	4.723	4.658	4.684	4.626	4.723	4.658	4.671	4.626	170-180	0.4830	3339	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 881.12 lm

%lum = 26.4%

%lamp = 26.4%

Conical surface Flux(130deg): 2162.7 lm

%lum = 64.8%

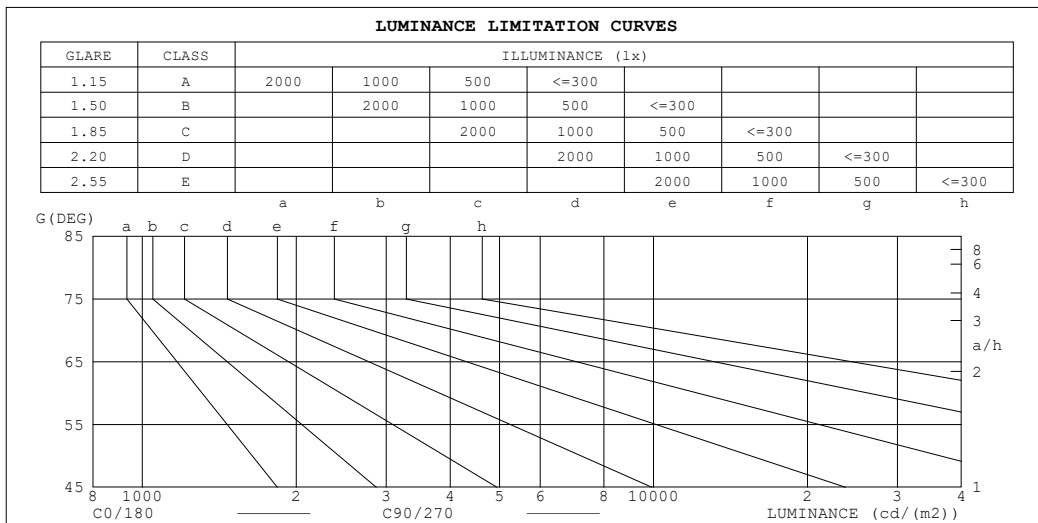
%lamp = 64.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.630m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	Shielding Angle:



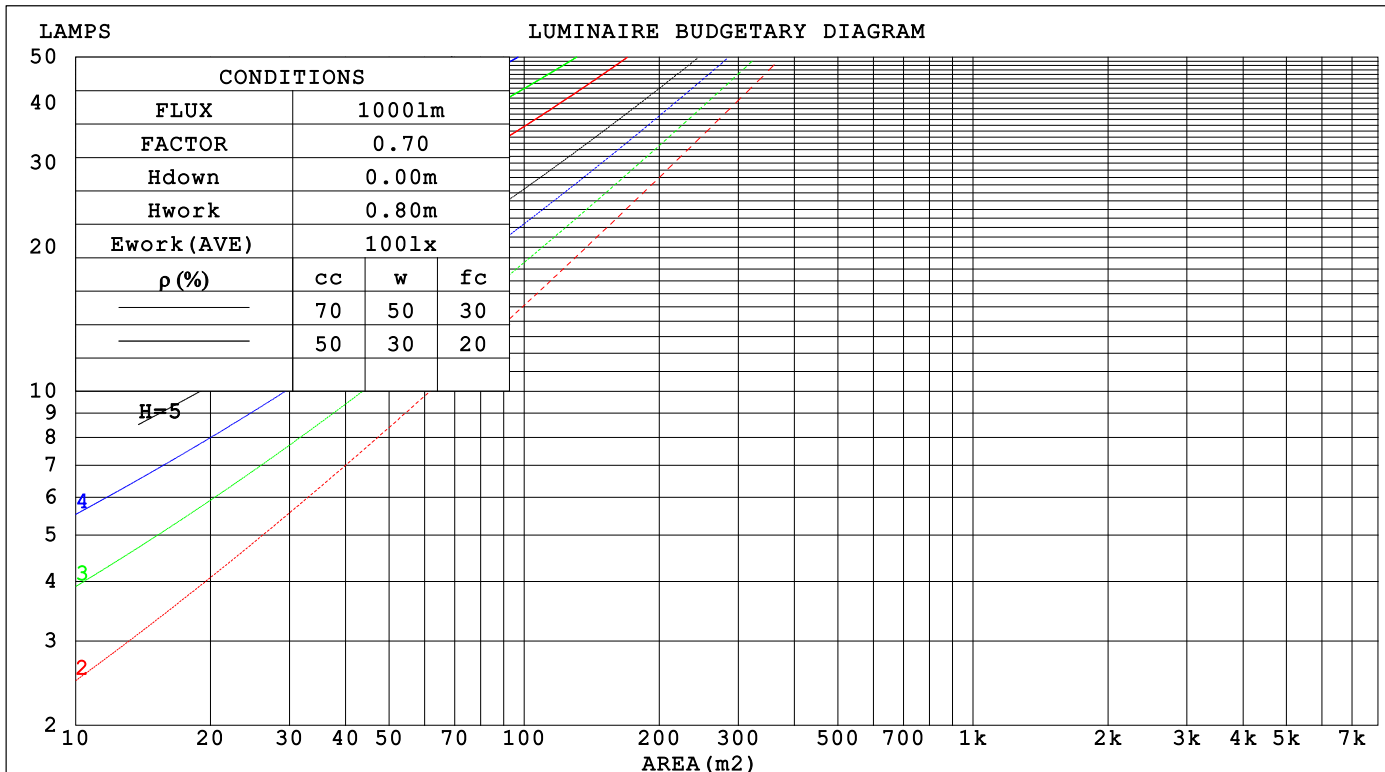
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	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	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.94														
1.0	.96	.90	.85	.93	.88	.83	.88	.83	.79	.83	.79	.76	.78	.75	.72	.70														
2.0	.80	.71	.63	.77	.69	.62	.73	.66	.60	.68	.63	.57	.64	.60	.55	.52														
3.0	.67	.57	.49	.65	.56	.48	.61	.53	.46	.57	.50	.45	.54	.48	.43	.40														
4.0	.57	.47	.38	.56	.46	.38	.52	.43	.37	.49	.41	.35	.46	.40	.34	.31														
5.0	.50	.39	.31	.48	.38	.30	.45	.36	.29	.42	.35	.29	.40	.33	.28	.25														
6.0	.43	.33	.25	.42	.32	.25	.40	.31	.24	.37	.29	.23	.35	.28	.23	.20														
7.0	.38	.28	.21	.37	.28	.21	.35	.26	.20	.33	.25	.20	.31	.24	.19	.17														
8.0	.34	.24	.18	.33	.24	.18	.31	.23	.17	.30	.22	.17	.28	.21	.16	.14														
9.0	.31	.21	.15	.30	.21	.15	.28	.20	.15	.27	.19	.14	.25	.19	.14	.12														
10.0	.28	.19	.13	.27	.19	.13	.26	.18	.13	.24	.17	.12	.23	.17	.12	.10														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	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	.430	.244	.077	.421	.240	.076	.404	.232	.074	.388	.224	.072	.373	.216	.070		
2.0	.380	.208	.064	.372	.205	.063	.357	.198	.062	.342	.192	.060	.329	.186	.059		
3.0	.339	.180	.054	.332	.178	.053	.318	.172	.052	.305	.167	.051	.293	.162	.050		
4.0	.304	.158	.047	.298	.156	.046	.285	.151	.045	.274	.147	.044	.263	.143	.044		
5.0	.275	.140	.041	.270	.138	.040	.258	.134	.040	.248	.131	.039	.238	.127	.038		
6.0	.251	.126	.036	.246	.124	.036	.236	.121	.035	.226	.117	.035	.217	.114	.034		
7.0	.230	.114	.032	.225	.112	.032	.216	.109	.031	.208	.107	.031	.200	.104	.030		
8.0	.212	.104	.029	.208	.102	.029	.200	.100	.029	.192	.097	.028	.185	.095	.028		
9.0	.197	.095	.027	.193	.094	.026	.186	.092	.026	.178	.089	.026	.172	.087	.025		
10.0	.183	.088	.024	.180	.087	.024	.173	.085	.024	.167	.083	.024	.161	.081	.023		

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	.233	.233	.233	.199	.199	.199	.136	.136	.136	.078	.078	.078	.025	.025	.025		
1.0	.231	.198	.168	.198	.170	.144	.135	.117	.100	.078	.068	.058	.025	.022	.019		
2.0	.227	.175	.130	.195	.150	.113	.133	.104	.079	.077	.060	.046	.025	.020	.015		
3.0	.221	.158	.108	.190	.136	.094	.130	.095	.066	.075	.055	.039	.024	.018	.013		
4.0	.214	.146	.094	.184	.126	.081	.126	.088	.057	.073	.051	.034	.024	.017	.011		
5.0	.206	.136	.084	.177	.118	.073	.122	.082	.052	.071	.048	.031	.023	.016	.010		
6.0	.199	.128	.078	.171	.111	.068	.118	.078	.048	.068	.046	.028	.022	.015	.009		
7.0	.191	.122	.073	.165	.105	.063	.114	.074	.045	.066	.044	.027	.021	.014	.009		
8.0	.184	.116	.069	.158	.101	.060	.110	.071	.043	.064	.042	.026	.021	.014	.008		
9.0	.177	.111	.067	.153	.096	.058	.106	.068	.041	.062	.040	.025	.020	.013	.008		
10.0	.171	.107	.064	.147	.093	.056	.102	.065	.040	.060	.039	.024	.019	.013	.008		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm											
NAME: BR06B-24L-S2D3C3						TYPE: 24W			WEIGHT:		
SPEC.: 3000K						DIM.:			SERIAL No.: 1		
MFR.:						SUR.: 0.15			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		28.5	30.2	28.8	30.6	30.9	28.4	30.2	28.8	30.5	30.8
3H		31.0	32.6	31.4	33.0	33.4	30.8	32.4	31.2	32.8	33.2
4H		32.1	33.7	32.5	34.0	34.5	31.9	33.4	32.3	33.8	34.2
6H		33.1	34.6	33.5	35.0	35.4	32.8	34.2	33.2	34.6	35.1
8H		33.5	35.0	34.0	35.4	35.8	33.1	34.6	33.6	35.0	35.4
12H		34.0	35.3	34.4	35.8	36.2	33.5	34.9	34.0	35.3	35.8
4H 2H		29.4	30.9	29.8	31.3	31.7	29.3	30.9	29.7	31.2	31.6
3H		32.0	33.4	32.5	33.8	34.2	31.9	33.2	32.3	33.6	34.1
4H		33.3	34.5	33.7	35.0	35.5	33.1	34.3	33.5	34.8	35.2
6H		34.4	35.6	34.9	36.0	36.5	34.1	35.2	34.6	35.7	36.2
8H		34.9	36.0	35.4	36.5	37.0	34.6	35.6	35.1	36.1	36.6
12H		35.5	36.4	36.0	36.9	37.5	35.0	36.0	35.5	36.5	37.1
8H 4H		33.7	34.8	34.2	35.3	35.8	33.6	34.6	34.1	35.1	35.6
6H		35.1	36.0	35.6	36.5	37.1	34.8	35.7	35.4	36.2	36.8
8H		35.8	36.6	36.3	37.1	37.7	35.4	36.3	36.0	36.8	37.4
12H		36.5	37.2	37.0	37.7	38.3	36.1	36.8	36.6	37.3	37.9
12H 4H		33.8	34.8	34.3	35.3	35.8	33.6	34.6	34.2	35.1	35.7
6H		35.3	36.1	35.8	36.6	37.2	35.0	35.8	35.5	36.3	36.9
8H		36.0	36.7	36.6	37.3	37.9	35.7	36.4	36.3	37.0	37.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 3339 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
Area: 0.0177 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	Shielding Angle:

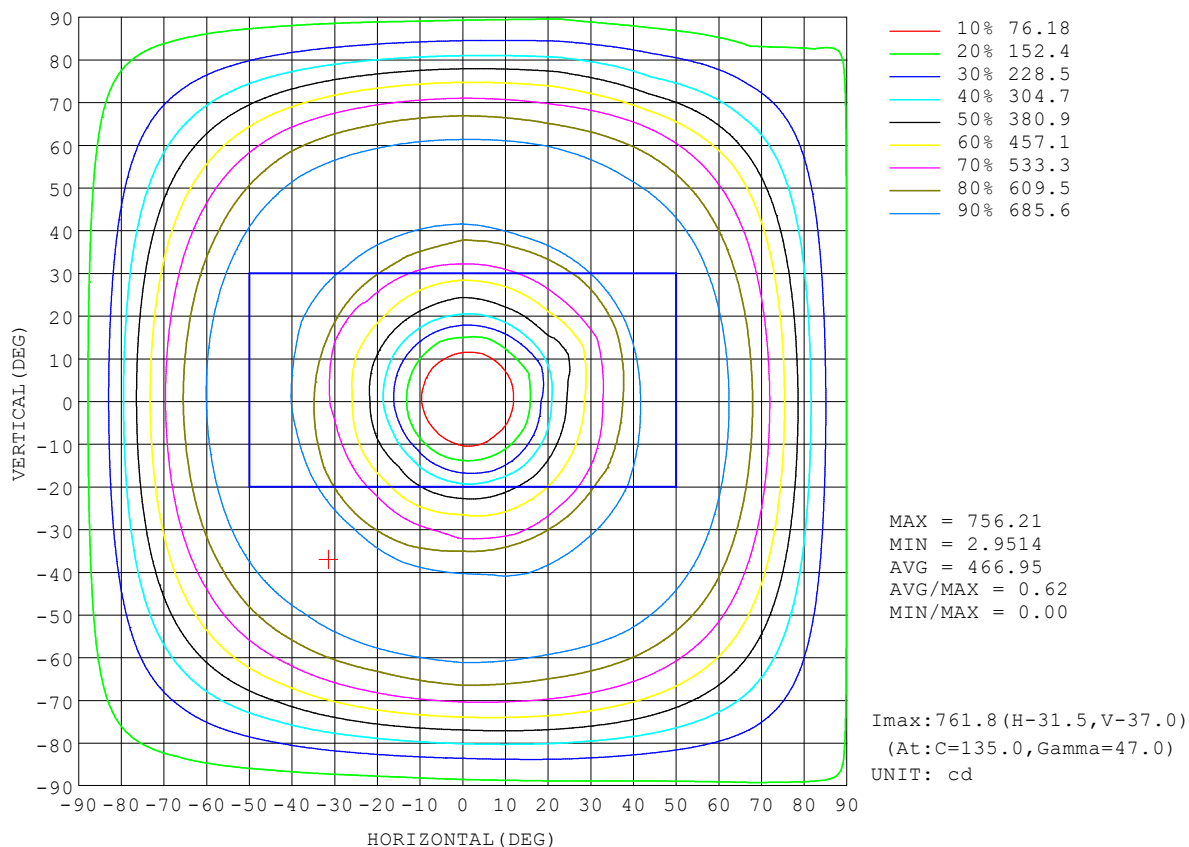
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	42	28	20	41	28	20	40	27	19	12
0.80	52	38	28	51	37	28	49	36	28	19
1.00	61	47	37	60	46	37	57	48	36	27
1.25	69	55	45	67	54	45	64	52	44	34
1.50	75	61	52	73	60	51	69	58	50	40
2.00	83	71	62	81	70	61	76	67	60	49
2.50	89	78	69	86	76	68	81	73	66	55
3.00	93	83	75	90	81	74	85	78	71	60
4.00	98	90	83	95	88	82	90	84	78	67
5.00	102	95	89	99	92	87	93	88	83	71
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:2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	Shielding Angle:

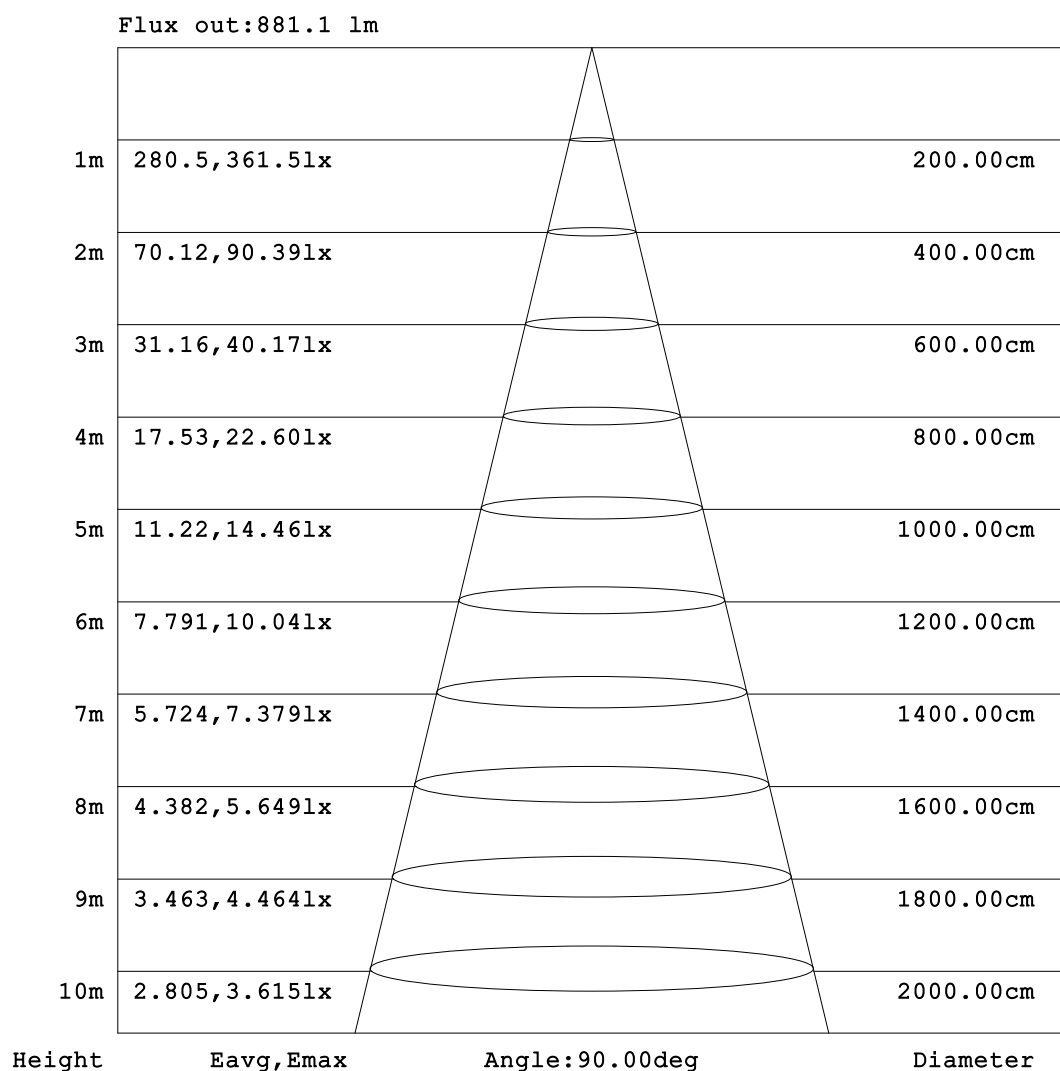


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	Shielding Angle:



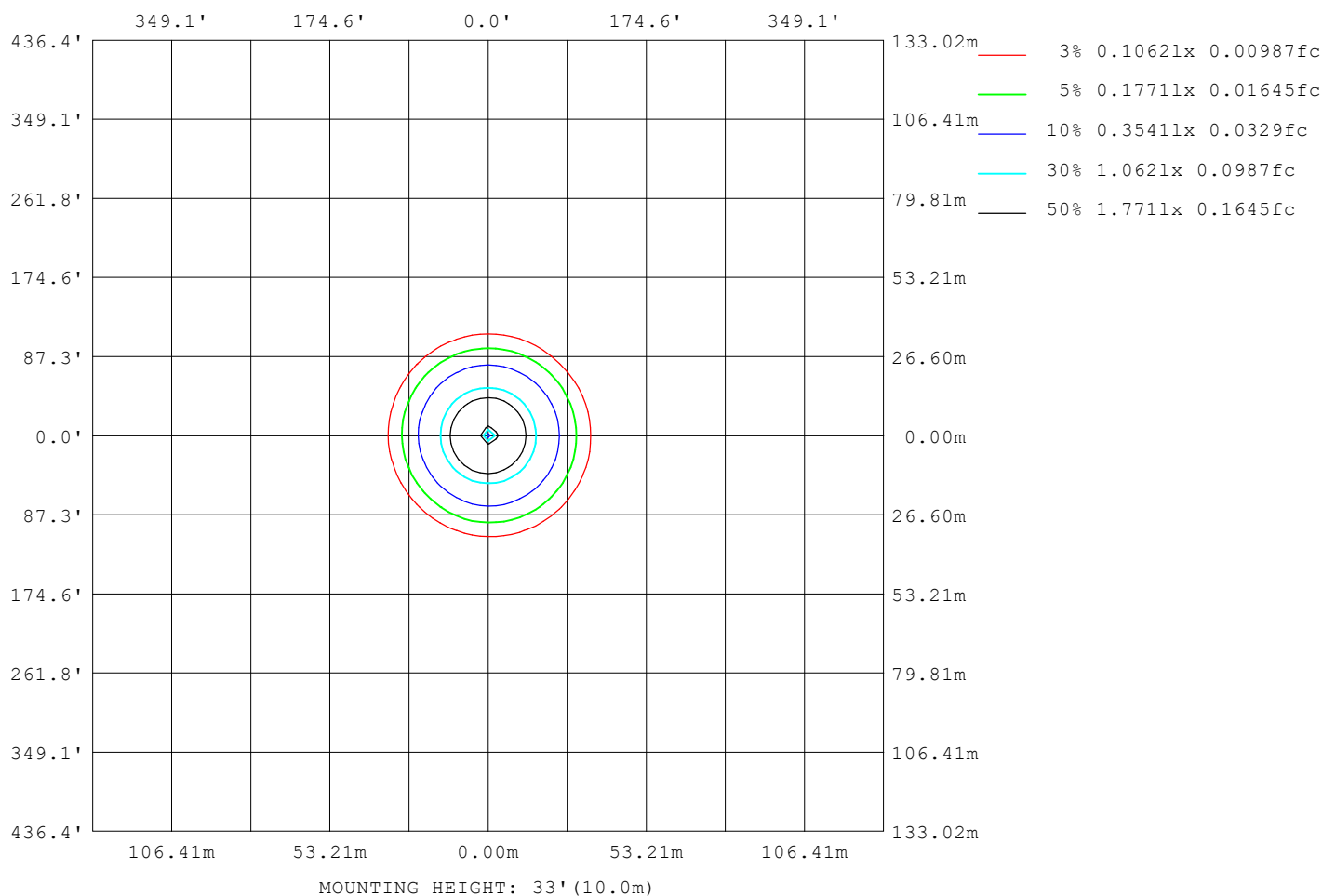
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.630m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	Shielding Angle:

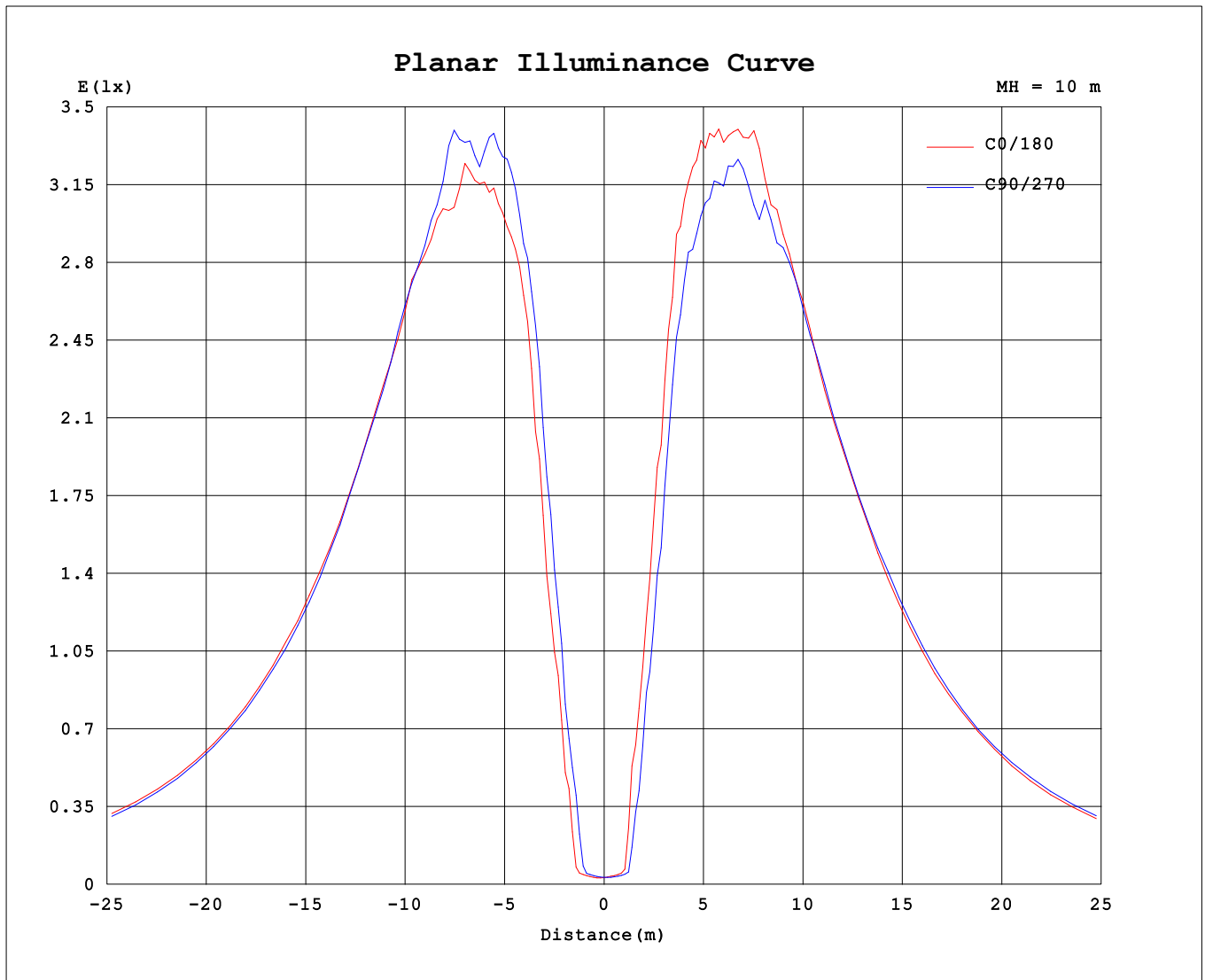
AvgL	cd/m2
L_0~180 (65) av	84933
L_0~180 (75) av	96394
L_0~180 (85) av	136161
L_90~270 (65) av	85133
L_90~270 (75) av	96139
L_90~270 (85) av	136362
L_45 (65) av	84501
L_45 (75) av	94261
L_45 (85) av	131860

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-05-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
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Remarks:

Planar Illuminance Curve



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C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-05-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.24V I:0.2005A P:23.942W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3339.27x1 lm		
NAME: BR06B-24L-S2D3C3	TYPE: 24W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.15	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	3.10	3.06	3.10	3.19	3.25	3.25	3.20	3.08	3.10	3.06	3.10	3.19	3.25	3.25	3.20	3.08			
5	4.05	4.24	4.54	4.76	5.08	5.33	5.57	5.30	5.26	5.00	4.69	4.50	4.23	3.94	3.71	3.75			
10	45.3	41.4	50.3	60.1	68.9	82.7	92.1	93.8	83.1	79.2	69.0	56.9	44.2	45.7	35.4	46.9			
15	135	140	151	170	185	203	218	211	208	197	182	154	154	137	136	125			
20	280	284	280	313	322	338	345	350	353	328	318	302	297	276	262	224			
25	392	396	401	415	431	426	438	443	438	431	434	410	394	394	390	366			
30	480	485	490	500	518	516	546	542	524	507	516	491	486	482	471	447			
35	591	578	581	576	608	595	604	604	612	625	599	592	586	589	580	546			
40	666	671	668	670	681	690	730	710	681	672	681	672	666	661	627	640			
45	730	715	705	711	738	742	753	750	742	712	726	729	734	735	728	728			
50	755	744	736	737	753	752	758	749	747	740	746	751	753	760	749	748			
55	747	736	740	736	733	734	727	729	729	733	748	737	746	745	743	744			
60	713	714	708	702	700	686	671	679	686	693	703	702	701	704	701	710			
65	653	656	650	637	634	609	604	603	618	617	635	636	640	637	639	649			
70	572	570	563	554	542	526	512	514	526	530	543	546	551	550	562	563			
75	466	467	461	450	430	418	404	408	417	423	434	443	451	455	429	461			
80	344	343	335	324	309	294	285	286	292	298	308	317	327	333	304	312			
85	230	228	219	214	203	192	186	184	190	194	200	209	218	224	208	200			
90	151	149	144	144	141	136	132	131	136	136	138	143	146	148	127	125			
95	112	81.1	71.9	79.3	78.4	72.4	61.1	68.5	93.2	73.6	67.9	79.2	84.2	80.9	66.2	76.1			
100	60.4	49.9	45.8	57.2	52.5	53.8	39.0	42.9	50.2	45.8	43.2	57.4	54.5	58.2	41.9	45.2			
105	45.2	37.0	33.0	38.7	37.6	36.7	28.1	31.3	37.3	33.8	31.3	39.7	39.5	40.2	30.3	32.6			
110	36.6	28.4	24.8	29.1	28.8	28.3	20.5	22.9	30.7	24.9	23.0	30.0	30.0	30.3	23.1	24.5			
115	30.5	22.6	18.4	23.1	23.5	22.5	14.8	17.2	25.7	18.5	16.4	24.0	24.6	24.0	17.9	22.2			
120	25.4	18.2	13.4	18.4	19.2	17.9	10.5	12.9	21.0	14.0	11.9	19.0	20.0	19.0	13.2	18.8			
125	20.8	14.7	11.2	14.3	15.4	13.9	10.2	9.51	16.6	10.3	11.0	14.6	16.0	14.6	10.3	14.8			
130	16.7	11.5	10.8	11.4	11.8	10.8	10.7	9.34	12.6	9.92	11.2	11.2	12.3	11.3	9.86	11.7			
135	13.9	10.4	11.0	11.5	10.5	10.9	10.8	9.48	12.2	9.74	11.3	10.7	10.2	11.0	11.0	10.8			
140	11.7	10.1	10.1	11.8	11.3	11.5	9.77	9.38	10.7	9.35	10.0	11.1	10.9	11.3	10.2	10.1			
145	11.6	9.94	8.90	10.7	11.2	10.4	8.56	9.03	10.5	8.72	8.40	10.1	10.8	10.1	8.64	9.67			
150	11.0	9.34	7.66	9.00	9.67	8.73	7.05	8.39	9.40	7.88	6.02	8.37	9.16	8.51	6.34	8.85			
155	9.40	7.93	5.91	7.58	7.98	7.35	5.39	6.96	7.76	6.44	5.12	6.18	7.07	6.25	5.28	7.32			
160	6.49	5.60	5.41	5.82	6.53	5.60	5.11	5.03	5.17	4.59	4.59	4.90	4.85	4.94	4.64	5.01			
165	5.26	5.33	5.27	5.31	5.09	5.15	5.01	5.06	4.45	4.64	4.55	4.63	4.77	4.64	4.65	4.63			
170	5.63	5.58	5.40	5.40	5.23	5.36	5.25	5.31	4.99	5.01	4.80	4.85	4.88	5.07	4.84	5.03			
175	5.53	5.33	5.18	5.07	4.98	5.01	4.98	5.15	4.86	4.96	4.74	4.77	4.74	4.87	4.98	5.10			
180	4.72	4.61	4.66	4.66	4.68	4.67	4.63	4.57	4.72	4.61	4.66	4.65	4.67	4.66	4.63	4.57			

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