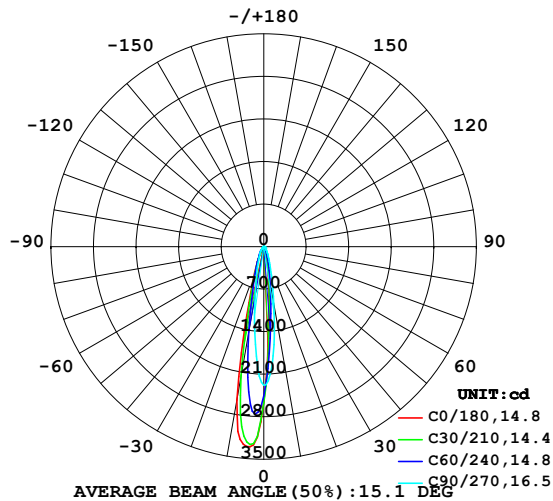


LUMINAIRE PHOTOMETRIC TEST REPORT

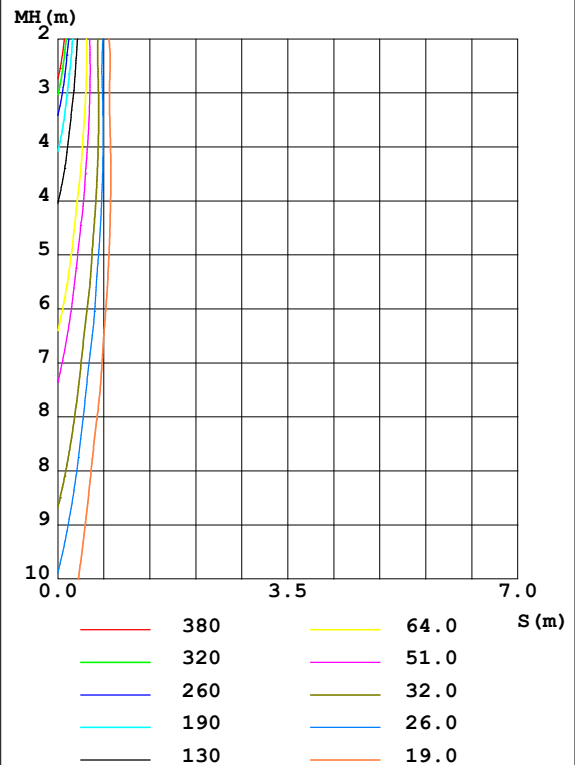
Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 24.60 lm/W			
MODEL		Imax(cd)	3302	S/MH(C0/180)	0.42
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	445.23	η UP,DN(C0-180)	0.5,46.9
NOMINAL FLUX(lm)	445.229	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,52.2
LAMPS INSIDE	1	η up(%)	0.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	99.1	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [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	409.4	543.7	960.9	2066	2562	1789	844.0	429.8	0- 10	161.0	161.0	36.2,36.2
20	108.9	137.1	285.0	446.3	441.9	383.9	270.0	118.7	10- 20	159.0	320.0	71.9,71.9
30	16.30	36.88	126.2	125.4	73.37	107.7	125.7	31.05	20- 30	69.84	389.8	87.6,87.6
40	5.781	9.870	58.92	38.35	19.69	34.48	60.57	8.527	30- 40	29.82	419.6	94.3,94.3
50	2.018	2.237	29.27	7.624	4.394	6.508	29.83	2.092	40- 50	11.99	431.6	96.9,96.9
60	1.029	1.017	17.08	2.470	0.8739	2.125	16.52	0.9333	50- 60	5.292	436.9	98.1,98.1
70	0.4205	0.5665	8.760	0.8734	0.3408	0.7582	7.679	0.5052	60- 70	2.850	439.8	98.8,98.8
80	0.1314	0.3566	2.446	0.4354	0.1179	0.3520	1.845	0.3172	70- 80	1.242	441.0	99.1,99.1
90	0.0482	0.2734	0.5249	0.3259	0.0394	0.2450	0.4943	0.2515	80- 90	0.4145	441.4	99.1,99.1
100	0.0437	0.2669	0.5380	0.2887	0.0394	0.2165	0.4943	0.2471	90-100	0.2902	441.7	99.2,99.2
110	0.0437	0.2690	0.5907	0.2821	0.0394	0.2078	0.4768	0.2450	100-110	0.2765	442.0	99.3,99.3
120	0.0744	0.3258	0.7569	0.3543	0.0569	0.2122	0.4506	0.2515	110-120	0.2772	442.3	99.3,99.3
130	0.1791	0.3412	0.6950	0.2799	0.0831	0.2297	0.4679	0.3085	120-130	0.2755	442.6	99.4,99.4
140	0.4804	0.6584	0.7221	0.3674	0.1445	0.2778	0.6601	0.5927	130-140	0.2903	442.8	99.5,99.5
150	1.958	1.837	1.571	0.7348	0.3988	0.6127	1.158	1.601	140-150	0.4810	443.3	99.6,99.6
160	3.385	3.140	2.770	2.080	1.559	1.789	2.422	2.907	150-160	0.8413	444.2	99.8,99.8
170	2.731	2.778	3.018	3.187	3.058	2.972	2.931	2.649	160-170	0.7982	445.0	99.9,99.9
180	2.388	2.520	2.607	2.679	2.423	2.544	2.620	2.653	170-180	0.2645	445.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1	13
80	1	18
75	1	25
70	2	32
65	2	38
60	3	43
55	3	48
50	4	57
45	5	72

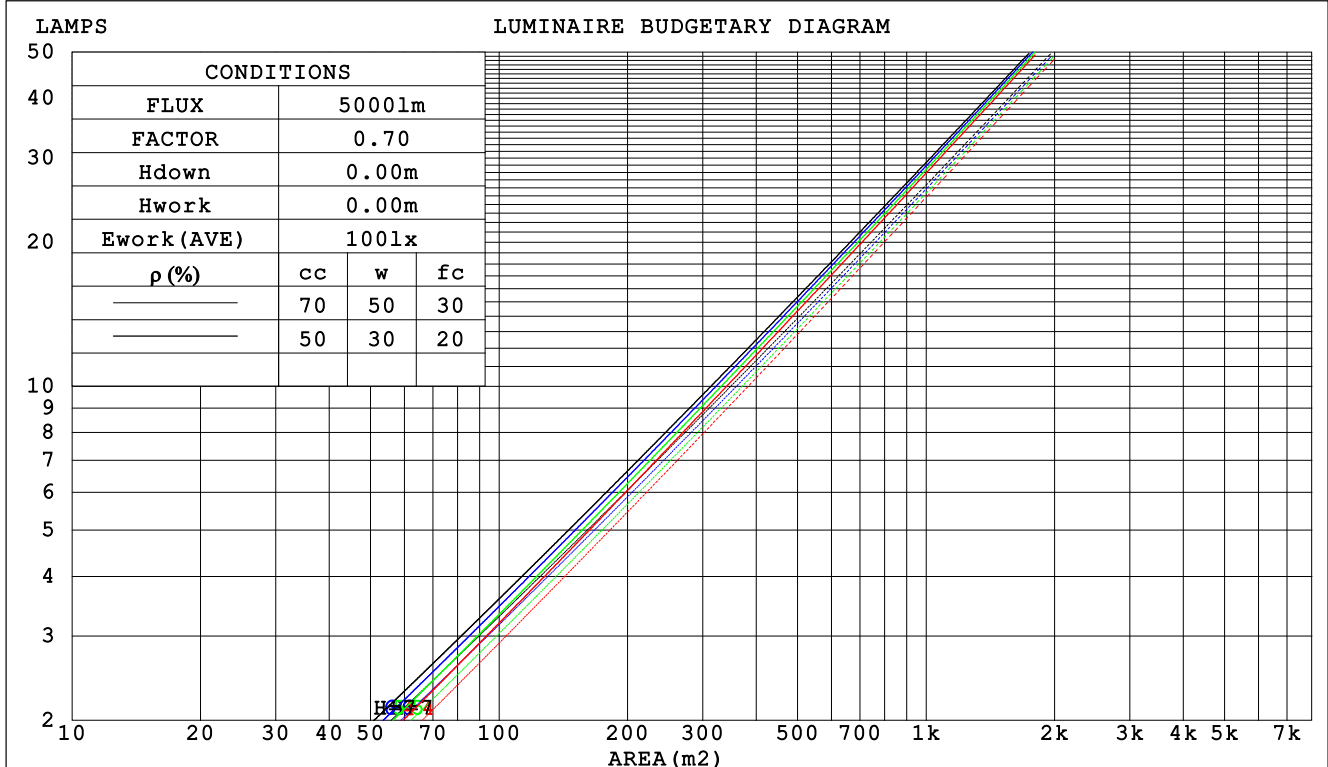
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.98	.97	.95
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.98	.96	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.00	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.89	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.83	.81
6.0	.89	.85	.82	.89	.84	.81	.87	.84	.81	.86	.83	.80	.85	.82	.80	.79
7.0	.86	.82	.79	.86	.81	.78	.84	.81	.78	.83	.80	.78	.82	.79	.77	.76
8.0	.83	.79	.76	.83	.79	.76	.82	.78	.75	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.76	.74	.80	.76	.73	.79	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm					
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2			TYPE:RGBW W=4000K		WEIGHT:00
SPEC.:15 DEG			DIM.:500mm		SERIAL No.:01
MFR.: 001			SUR.:0.8		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	.147	.084	.027	.140	.080	.025	.127	.073	.023	.116	.067	.021	.105	.061	.020	
2.0	.137	.075	.023	.131	.072	.022	.121	.067	.021	.111	.062	.019	.102	.058	.018	
3.0	.128	.068	.020	.123	.066	.020	.114	.062	.019	.106	.058	.018	.098	.054	.017	
4.0	.120	.062	.018	.116	.061	.018	.108	.057	.017	.101	.054	.016	.095	.051	.016	
5.0	.113	.058	.017	.110	.056	.016	.103	.054	.016	.097	.051	.015	.091	.049	.015	
6.0	.107	.054	.015	.104	.052	.015	.098	.050	.015	.093	.048	.014	.088	.046	.014	
7.0	.101	.050	.014	.099	.049	.014	.094	.047	.014	.089	.046	.013	.084	.044	.013	
8.0	.096	.047	.013	.094	.046	.013	.089	.045	.013	.085	.043	.012	.081	.042	.012	
9.0	.092	.044	.012	.090	.044	.012	.086	.042	.012	.082	.041	.012	.078	.040	.012	
10.0	.088	.042	.012	.086	.041	.012	.082	.040	.011	.079	.039	.011	.076	.038	.011	

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	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.176	.164	.154	.150	.141	.132	.103	.097	.092	.059	.056	.053	.019	.018	.017	
2.0	.158	.139	.123	.136	.120	.107	.093	.083	.074	.054	.048	.044	.017	.016	.014	
3.0	.144	.120	.101	.123	.103	.088	.085	.072	.061	.049	.042	.036	.016	.014	.012	
4.0	.132	.105	.084	.113	.091	.073	.078	.063	.052	.045	.037	.030	.014	.012	.010	
5.0	.121	.093	.071	.104	.080	.062	.072	.056	.044	.042	.033	.026	.013	.011	.009	
6.0	.113	.083	.061	.097	.072	.053	.067	.050	.038	.039	.030	.022	.013	.010	.007	
7.0	.105	.075	.053	.091	.065	.046	.063	.045	.033	.036	.027	.020	.012	.009	.006	
8.0	.099	.068	.047	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006	
9.0	.093	.062	.042	.080	.054	.036	.056	.038	.026	.032	.022	.015	.010	.007	.005	
10.0	.088	.058	.037	.076	.050	.033	.053	.035	.023	.031	.021	.014	.010	.007	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm										
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2					TYPE:RGBW W=4000K			WEIGHT:00		
SPEC.:15 DEG					DIM.:500mm			SERIAL No.:01		
MFR.: 001					SUR.:0.8			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	-16.1	-15.4	-15.9	-15.2	-15.1	-2.0	-1.3	-1.8	-1.1	-1.0
3H	-15.8	-15.2	-15.6	-15.0	-14.8	-0.9	-0.3	-0.7	-0.1	0.1
4H	-15.8	-15.1	-15.5	-14.9	-14.7	-0.5	0.1	-0.3	0.3	0.5
6H	-15.7	-15.2	-15.4	-14.9	-14.7	-0.3	0.3	0.0	0.5	0.8
8H	-15.7	-15.2	-15.4	-14.9	-14.6	-0.2	0.3	0.1	0.6	0.8
12H	-15.7	-15.2	-15.4	-14.9	-14.6	-0.2	0.3	0.1	0.6	0.9
4H 2H	-15.5	-14.9	-15.3	-14.7	-14.5	-2.2	-1.6	-2.0	-1.4	-1.2
3H	-15.2	-14.7	-14.9	-14.4	-14.1	-1.2	-0.6	-0.8	-0.3	-0.1
4H	-15.1	-14.6	-14.8	-14.3	-14.0	-0.7	-0.2	-0.4	0.1	0.4
6H	-15.1	-14.6	-14.7	-14.3	-13.9	-0.4	0.0	-0.0	0.4	0.7
8H	-15.0	-14.6	-14.6	-14.3	-13.9	-0.3	0.1	0.1	0.4	0.8
12H	-15.0	-14.6	-14.6	-14.2	-13.8	-0.3	0.1	0.1	0.5	0.9
8H 4H	-14.7	-14.2	-14.3	-13.9	-13.5	-0.9	-0.5	-0.5	-0.1	0.3
6H	-14.5	-14.2	-14.1	-13.8	-13.3	-0.6	-0.2	-0.1	0.2	0.6
8H	-14.4	-14.1	-14.0	-13.7	-13.2	-0.5	-0.2	-0.0	0.3	0.7
12H	-14.3	-14.1	-13.8	-13.6	-13.1	-0.4	-0.1	0.1	0.3	0.8
12H 4H	-14.5	-14.1	-14.1	-13.7	-13.3	-0.9	-0.6	-0.5	-0.2	0.2
6H	-14.3	-14.0	-13.8	-13.5	-13.1	-0.6	-0.3	-0.2	0.1	0.6
8H	-14.1	-13.9	-13.7	-13.4	-12.9	-0.5	-0.3	-0.1	0.2	0.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.7 / - 1.7					+ 2.5 / - 1.6				
1.5H	+ 2.5 / - 1.7					+ 4.0 / - 3.5				
2.0H	+ 2.0 / - 1.3					+ 4.6 / - 4.7				

CIE Pub.117, 445.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.8)
Area: 0.8 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:

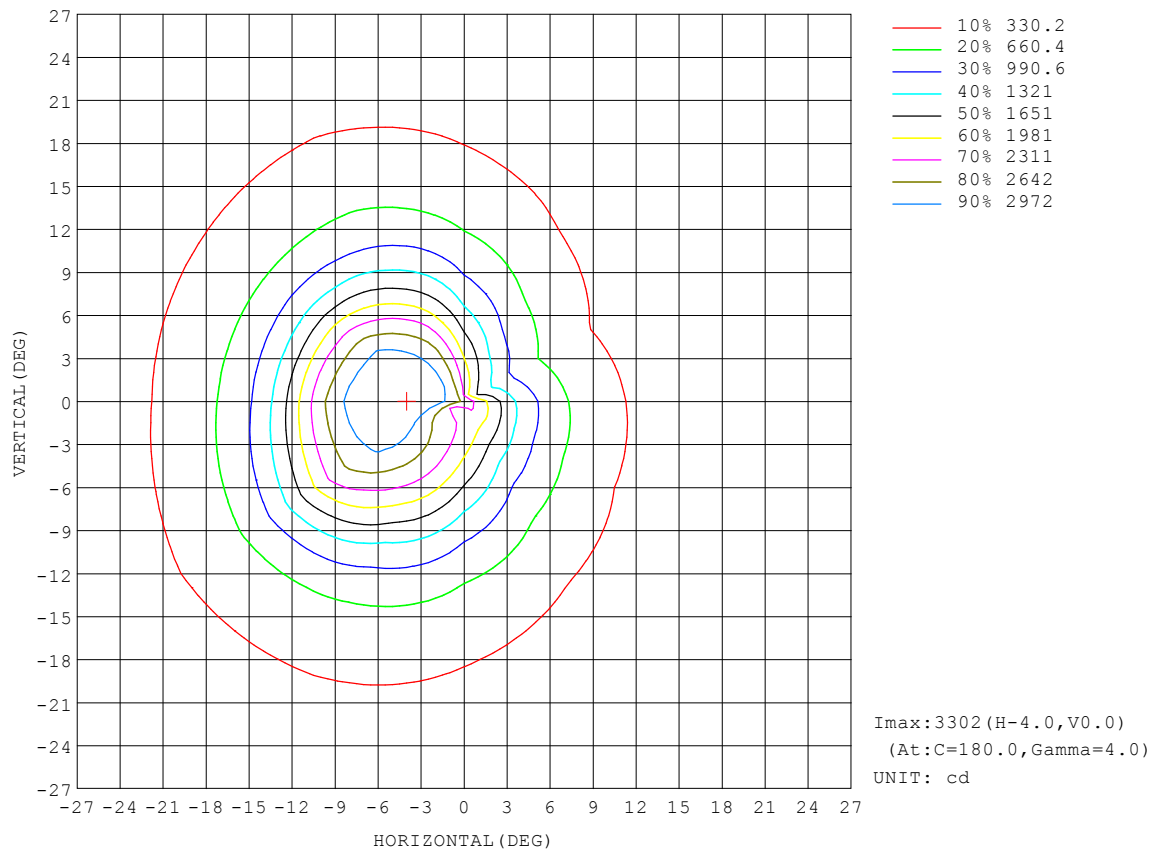
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	82	78	87	81	78	74
0.80	95	90	86	95	89	86	93	89	85	82
1.00	99	94	90	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	101	98	102	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	108	105	103	105	103	101	94
3.00	112	108	106	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:

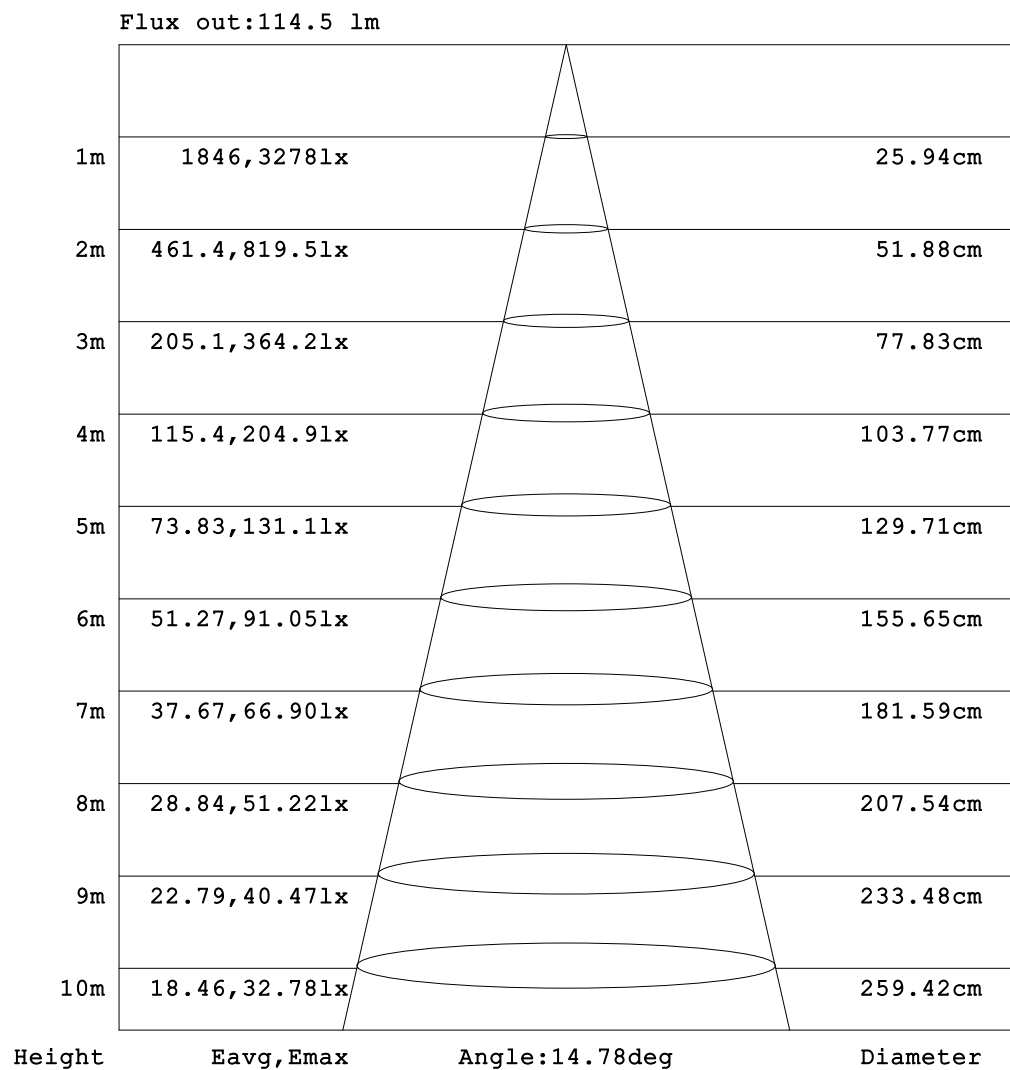


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:



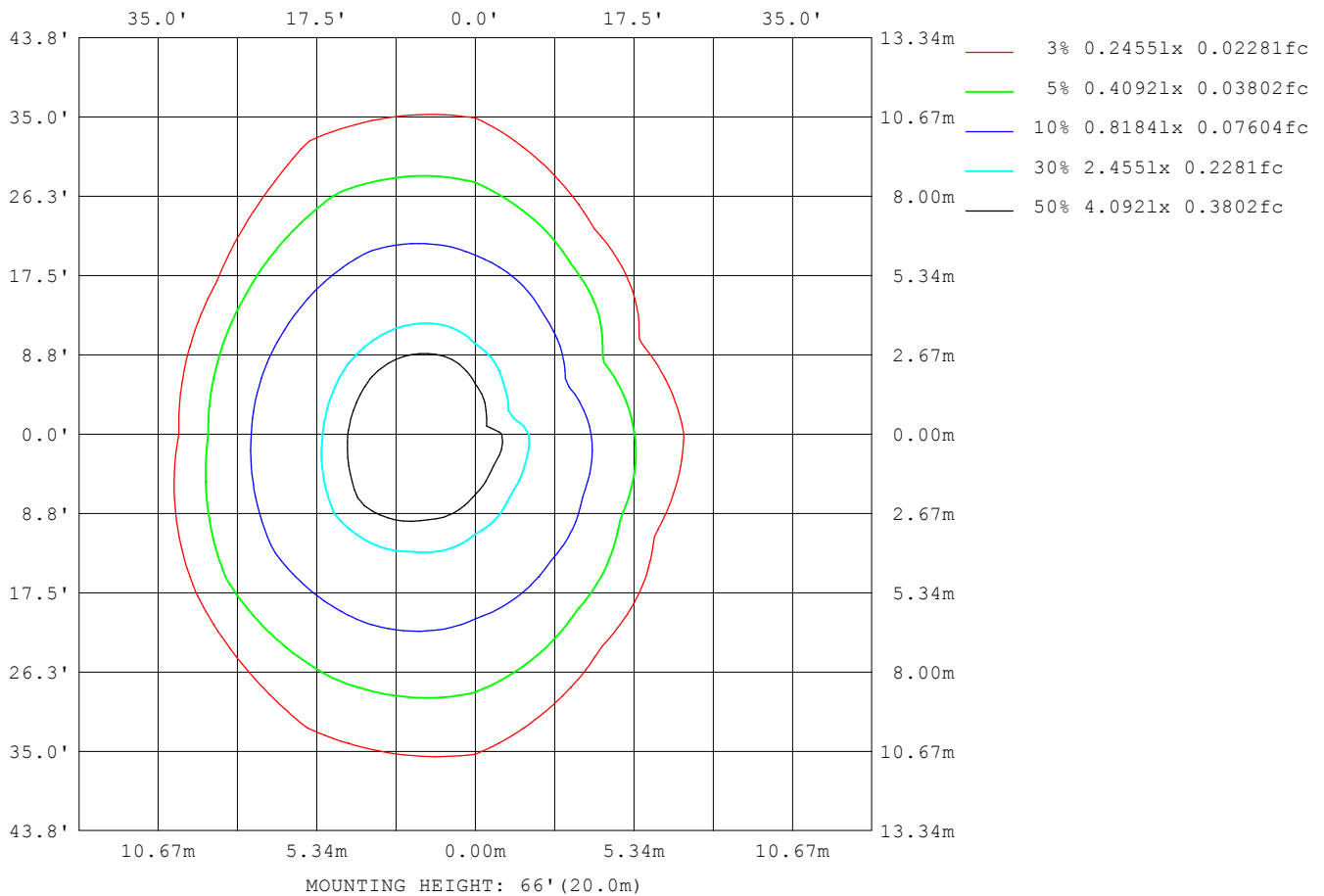
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:01
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:

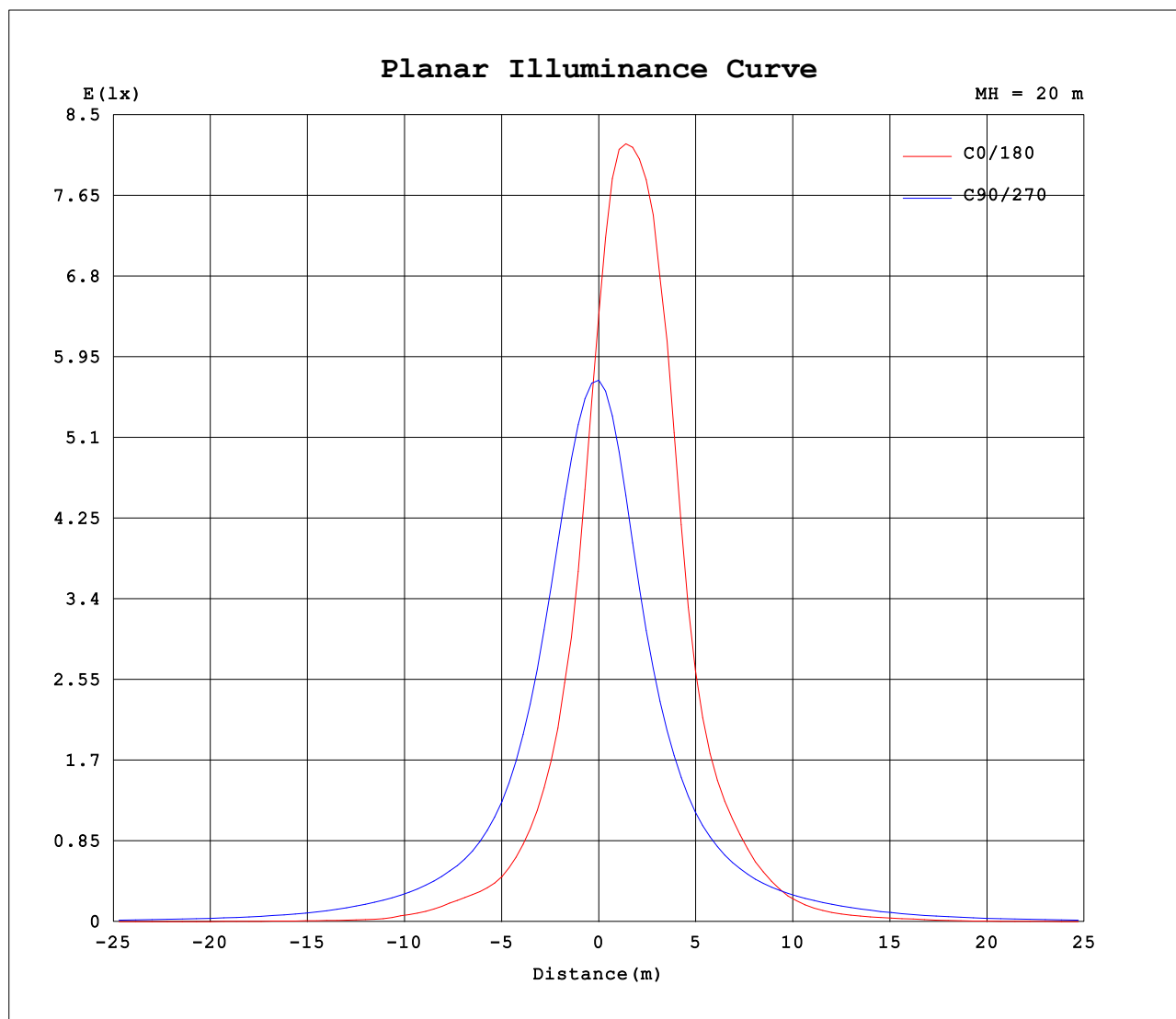
AvgL	cd/m2
L_0~180 (65) av	2
L_0~180 (75) av	1
L_0~180 (85) av	1
L_90~270 (65) av	37
L_90~270 (75) av	23
L_90~270 (85) av	11
L_45 (65) av	1
L_45 (75) av	1
L_45 (85) av	4

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: 01
Test Date: 2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.98V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:445.229x1 lm		
NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2	TYPE:RGBW W=4000K	WEIGHT:00
SPEC.:15 DEG	DIM.:500mm	SERIAL No.:01
MFR.: 001	SUR.:0.8	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2557	2571	2457	2282	2103	1893	2557	2571	2457	2282	2103	1893						
5	1018	1088	1296	1802	2456	3022	3300	3225	2595	1616	1051	765						
10	409	469	619	961	1586	2546	2562	2153	1425	844	525	334						
15	181	206	313	489	768	1143	954	821	683	450	278	151						
20	109	105	169	285	402	490	442	397	371	270	151	86.7						
25	49.3	55.2	94.8	186	231	256	184	191	221	178	82.6	38.1						
30	16.3	19.7	54.1	126	145	106	73.4	71.6	144	126	50.3	11.8						
35	9.47	7.30	31.7	85.3	99.1	35.9	38.2	26.4	97.6	88.1	30.1	5.99						
40	5.78	4.21	15.5	58.9	59.4	17.3	19.7	14.4	54.6	60.6	13.6	3.42						
45	3.04	2.45	6.21	40.9	25.9	9.75	8.28	7.42	22.4	42.0	5.08	2.03						
50	2.02	1.39	3.08	29.3	10.5	4.75	4.39	3.90	9.12	29.8	2.93	1.25						
55	1.44	0.97	2.00	22.1	5.85	2.54	2.19	2.08	5.55	22.0	1.84	0.91						
60	1.03	0.71	1.33	17.1	3.60	1.35	0.87	1.00	3.25	16.5	1.18	0.69						
65	0.72	0.55	0.91	12.8	2.13	0.71	0.53	0.66	1.88	11.9	0.80	0.53						
70	0.42	0.42	0.72	8.76	1.25	0.49	0.34	0.47	1.05	7.68	0.61	0.40						
75	0.24	0.29	0.59	5.15	0.77	0.38	0.21	0.35	0.62	4.29	0.50	0.29						
80	0.13	0.21	0.50	2.45	0.58	0.29	0.12	0.26	0.44	1.84	0.41	0.22						
85	0.09	0.18	0.44	0.88	0.49	0.24	0.06	0.21	0.36	0.65	0.36	0.20						
90	0.05	0.17	0.38	0.52	0.44	0.21	0.04	0.18	0.31	0.49	0.34	0.17						
95	0.04	0.17	0.38	0.54	0.40	0.18	0.04	0.14	0.31	0.49	0.34	0.16						
100	0.04	0.17	0.37	0.54	0.40	0.18	0.04	0.12	0.31	0.49	0.34	0.16						
105	0.04	0.17	0.37	0.56	0.42	0.18	0.04	0.07	0.31	0.49	0.34	0.15						
110	0.04	0.17	0.37	0.59	0.39	0.17	0.04	0.10	0.31	0.48	0.34	0.15						
115	0.05	0.19	0.37	0.65	0.47	0.18	0.06	0.11	0.31	0.46	0.34	0.15						
120	0.07	0.20	0.45	0.76	0.55	0.16	0.06	0.11	0.31	0.45	0.35	0.15						
125	0.11	0.22	0.42	0.82	0.49	0.16	0.07	0.11	0.32	0.45	0.38	0.15						
130	0.18	0.25	0.44	0.70	0.38	0.17	0.08	0.12	0.34	0.47	0.44	0.18						
135	0.31	0.37	0.52	0.65	0.43	0.19	0.10	0.13	0.37	0.55	0.53	0.29						
140	0.48	0.60	0.71	0.72	0.49	0.24	0.14	0.13	0.43	0.66	0.67	0.51						
145	1.04	1.11	1.10	0.95	0.65	0.35	0.22	0.19	0.56	0.84	0.96	0.96						
150	1.96	1.95	1.73	1.57	0.90	0.57	0.40	0.41	0.81	1.16	1.49	1.71						
155	2.91	2.83	2.48	2.17	1.50	1.04	0.78	0.87	1.25	1.74	2.18	2.55						
160	3.39	3.27	3.01	2.77	2.30	1.86	1.56	1.62	1.96	2.42	2.78	3.03						
165	3.28	3.19	3.17	3.11	2.95	2.78	2.49	2.52	2.72	2.87	2.93	2.98						
170	2.73	2.64	2.92	3.02	3.15	3.22	3.06	3.00	2.94	2.93	2.76	2.54						
175	2.24	2.32	2.61	2.76	3.01	3.08	2.89	2.94	2.80	2.72	2.62	2.38						
180	2.39	2.49	2.55	2.61	2.68	2.68	2.42	2.53	2.56	2.62	2.65	2.66						

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