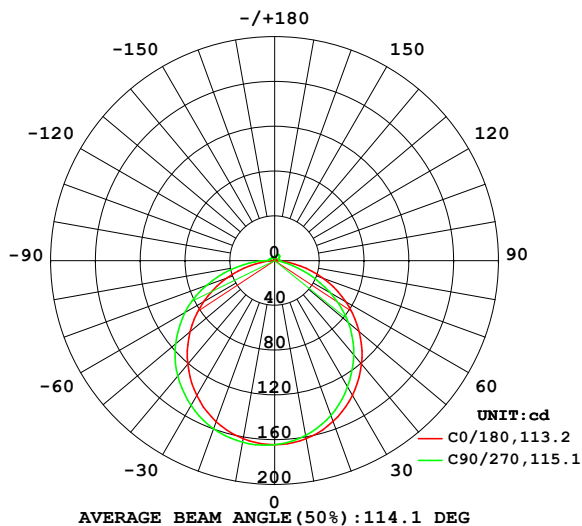


## LUMINAIRE PHOTOMETRIC TEST REPORT

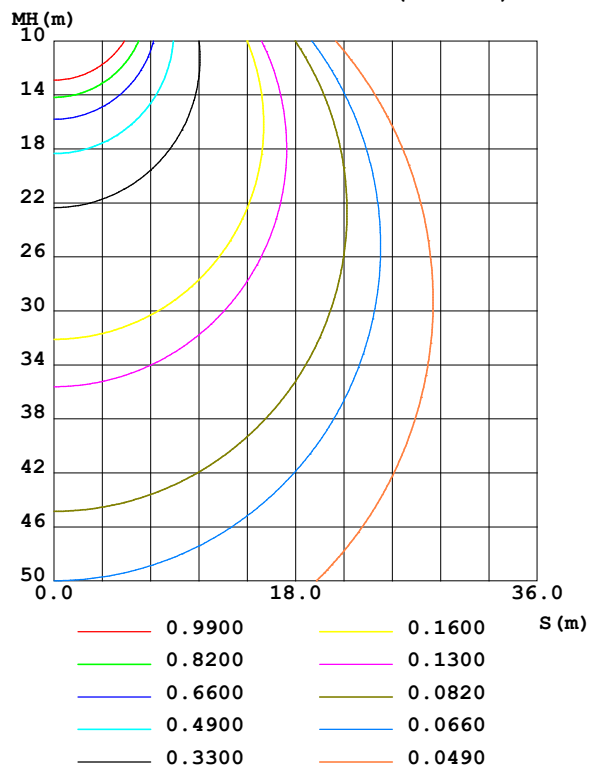
Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.79 lm/W			
MODEL		I <sub>max</sub> (cd)	165.3	S/MH(C0/180)	1.26
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.35
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	499.62	□ UP,DN(C0-180)	2.3,42.8
NOMINAL FLUX(lm)	4.16347	CIE CLASS	DIRECT	□ UP,DN(C180-360)	2.0,52.9
LAMPS INSIDE	120	□ up (%)	4.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	□ down (%)	95.7	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:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	161.5	159.2	158.6	159.9	161.6	164.0	164.7	163.5	0- 10	15.56	15.56	3.11,3.11
20	152.9	148.2	147.1	149.6	153.0	158.1	159.8	157.1	10- 20	44.62	60.18	12,12
30	139.1	132.2	130.3	134.1	139.2	146.9	149.3	145.6	20- 30	67.77	128.0	25.6,25.6
40	120.7	111.8	110.1	114.1	120.8	130.7	134.7	129.0	30- 40	81.96	209.9	42,42
50	98.68	88.60	85.99	91.18	98.55	111.0	115.6	109.2	40- 50	85.65	295.6	59.2,59.2
60	73.55	61.06	57.10	64.17	73.10	87.57	92.47	85.48	50- 60	78.05	373.6	74.8,74.8
70	46.09	31.60	27.70	34.48	45.36	60.23	64.66	57.88	60- 70	59.64	433.3	86.7,86.7
80	18.43	7.500	6.284	9.106	17.40	30.38	34.89	28.26	70- 80	33.76	467.0	93.5,93.5
90	1.445	3.560	4.432	3.354	0.8530	6.295	9.437	5.627	80- 90	11.23	478.3	95.7,95.7
100	0.4503	3.711	4.113	3.559	0.4484	3.725	5.218	4.256	90-100	3.864	482.1	96.5,96.5
110	0.7586	4.168	3.856	3.694	0.6763	3.519	4.773	3.808	100-110	3.490	485.6	97.2,97.2
120	1.072	4.428	4.760	3.747	1.004	3.039	3.878	3.586	110-120	3.255	488.9	97.8,97.8
130	1.363	4.996	5.964	4.008	1.319	2.628	3.573	3.278	120-130	3.052	491.9	98.5,98.5
140	1.615	5.513	6.550	4.345	1.585	2.557	3.643	3.288	130-140	2.782	494.7	99,99
150	1.847	4.858	6.138	3.919	1.831	2.692	4.097	3.563	140-150	2.291	497.0	99.5,99.5
160	2.099	3.633	4.871	3.297	2.113	2.526	3.675	3.174	150-160	1.568	498.6	99.8,99.8
170	2.357	3.095	3.053	3.037	2.365	2.259	2.242	2.369	160-170	0.8163	499.4	100,100
180	2.542	2.516	2.435	2.680	2.547	2.521	2.437	2.680	170-180	0.2415	499.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 261.57 lm

%lum = 52.4%

%lamp = 52.4%

Conical surface Flux(120deg): 373.62 lm

%lum = 74.8%

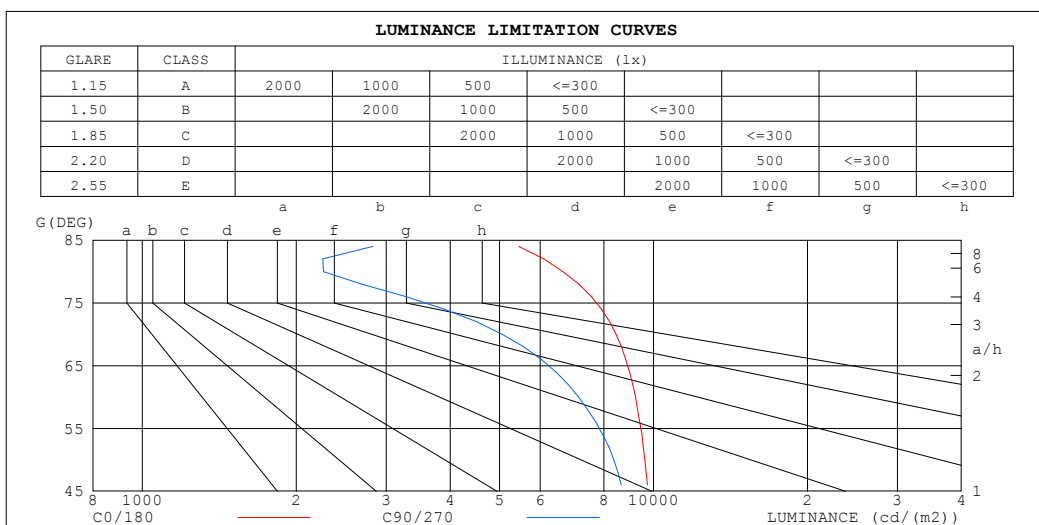
%lamp = 74.8%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6539	3385
80	6653	2262
75	8418	4148
70	8446	5063
65	9312	6676
60	9219	7139
55	9721	8148
50	9621	8362
45	9955	8919

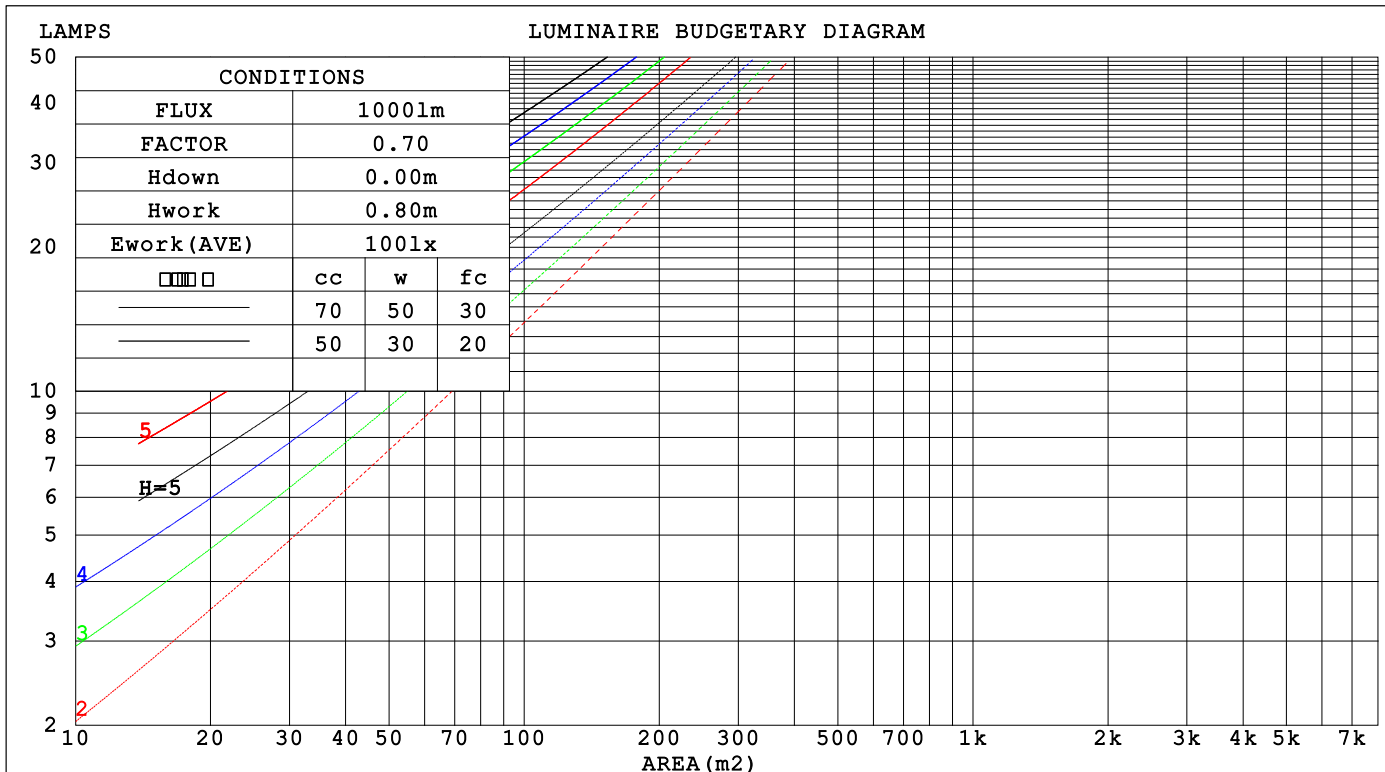
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	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	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.03	.98	.94	.90	.96	.92	.95	.92	.89	.90	.88	.85	.86	.84	.82	.80
2.0	.89	.82	.77	.87	.81	.75	.83	.78	.73	.79	.74	.71	.75	.72	.68	.66
3.0	.78	.70	.63	.76	.69	.63	.73	.66	.61	.69	.64	.59	.66	.62	.58	.55
4.0	.69	.60	.54	.68	.59	.53	.65	.57	.52	.62	.56	.51	.59	.54	.50	.47
5.0	.62	.53	.46	.60	.52	.46	.58	.50	.45	.55	.49	.44	.53	.47	.43	.41
6.0	.56	.47	.40	.54	.46	.40	.52	.45	.39	.50	.43	.38	.48	.42	.38	.36
7.0	.50	.42	.35	.49	.41	.35	.47	.40	.35	.46	.39	.34	.44	.38	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.29	.25	.34	.29	.24	.23



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients(WEC)			
0.0						
1.0	.313 .178 .056	.305 .174 .055	.289 .166 .053	.275 .158 .051	.261 .151 .049	
2.0	.293 .160 .049	.285 .157 .048	.271 .151 .047	.258 .145 .045	.247 .139 .044	
3.0	.270 .144 .043	.264 .141 .042	.251 .136 .041	.240 .131 .040	.229 .127 .039	
4.0	.249 .129 .038	.243 .127 .038	.232 .123 .037	.222 .119 .036	.212 .115 .035	
5.0	.230 .117 .034	.225 .115 .034	.215 .112 .033	.205 .108 .032	.197 .105 .032	
6.0	.213 .107 .031	.208 .105 .030	.200 .102 .030	.191 .099 .029	.183 .096 .029	
7.0	.198 .098 .028	.194 .097 .028	.186 .094 .027	.178 .091 .027	.171 .089 .026	
8.0	.185 .090 .025	.181 .089 .025	.174 .087 .025	.167 .085 .024	.161 .082 .024	
9.0	.173 .084 .023	.170 .083 .023	.163 .081 .023	.157 .079 .023	.151 .077 .022	
10.0	.163 .078 .022	.160 .077 .022	.154 .075 .021	.148 .074 .021	.143 .072 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients(CCEC)			
0.0	.223 .223 .223	.191 .191 .191	.130 .130 .130	.075 .075 .075	.024 .024 .024	
1.0	.213 .189 .167	.183 .162 .144	.125 .112 .099	.072 .065 .058	.023 .021 .019	
2.0	.205 .165 .131	.176 .142 .113	.121 .098 .079	.070 .057 .046	.022 .018 .015	
3.0	.198 .148 .108	.170 .127 .093	.116 .088 .065	.067 .052 .039	.022 .017 .013	
4.0	.190 .134 .092	.163 .116 .080	.112 .081 .056	.065 .047 .033	.021 .015 .011	
5.0	.183 .124 .081	.157 .107 .070	.108 .075 .050	.063 .044 .029	.020 .014 .010	
6.0	.176 .116 .073	.151 .100 .063	.104 .070 .045	.060 .041 .027	.020 .013 .009	
7.0	.169 .109 .067	.145 .094 .058	.100 .066 .041	.058 .039 .025	.019 .013 .008	
8.0	.162 .103 .063	.140 .090 .055	.097 .063 .039	.056 .037 .023	.018 .012 .008	
9.0	.156 .098 .059	.135 .085 .052	.093 .060 .037	.054 .035 .022	.018 .012 .007	
10.0	.151 .094 .056	.130 .082 .049	.090 .057 .035	.053 .034 .021	.017 .011 .007	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm										
NAME: NS-TS1615-W30-10					TYPE:			WEIGHT:		
SPEC.:					DIM.: 1*0.016*0.015MM			SERIAL No.:		
MFR.:					SUR.: 0.016*1			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	22.4	23.9	22.8	24.2	24.5	21.5	23.0	21.9	23.3	23.6
3H	23.9	25.3	24.3	25.6	25.9	22.5	23.8	22.8	24.1	24.5
4H	24.5	25.8	24.9	26.1	26.5	22.7	23.9	23.0	24.3	24.6
6H	24.9	26.1	25.3	26.4	26.8	22.7	23.9	23.1	24.2	24.6
8H	25.0	26.1	25.4	26.5	26.9	22.7	23.8	23.1	24.2	24.6
12H	25.0	26.1	25.4	26.5	26.9	22.7	23.8	23.1	24.2	24.6
4H 2H	22.8	24.1	23.2	24.4	24.8	22.1	23.3	22.4	23.7	24.0
3H	24.4	25.5	24.8	25.9	26.3	23.1	24.2	23.5	24.6	25.0
4H	25.1	26.1	25.5	26.5	26.9	23.4	24.4	23.8	24.8	25.2
6H	25.5	26.4	26.0	26.9	27.3	23.4	24.3	23.9	24.8	25.2
8H	25.7	26.5	26.1	26.9	27.4	23.5	24.3	23.9	24.7	25.2
12H	25.7	26.5	26.2	27.0	27.5	23.5	24.3	24.0	24.7	25.2
8H 4H	25.1	25.9	25.6	26.4	26.8	23.5	24.4	24.0	24.8	25.3
6H	25.6	26.3	26.1	26.8	27.3	23.6	24.3	24.1	24.8	25.3
8H	25.8	26.4	26.3	26.9	27.4	23.7	24.3	24.2	24.8	25.3
12H	25.9	26.4	26.4	26.9	27.5	23.8	24.3	24.3	24.8	25.4
12H 4H	25.0	25.8	25.5	26.3	26.8	23.5	24.3	24.0	24.7	25.2
6H	25.6	26.2	26.1	26.7	27.2	23.6	24.2	24.1	24.7	25.3
8H	25.8	26.3	26.3	26.8	27.4	23.7	24.2	24.2	24.7	25.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.3 / - 0.4				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.4				

CIE Pub.117, 499.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)  
Area: 0.016 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

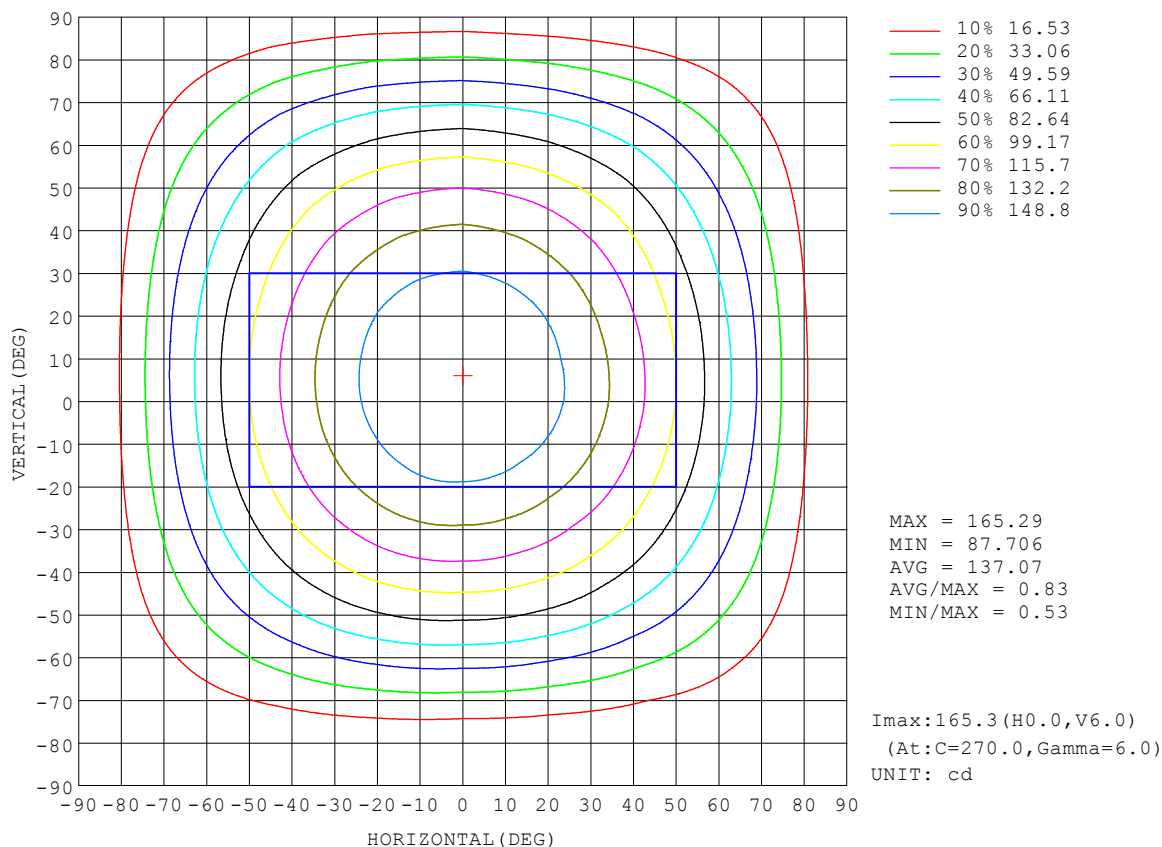
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	71	63	80	70	63	76	68	62	54
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	84	78	91	83	77	87	80	75	66
2.50	97	89	83	95	88	82	90	84	80	70
3.00	101	94	88	98	92	86	93	88	84	74
4.00	105	99	94	102	97	92	97	93	89	79
5.00	107	102	98	104	100	96	99	96	92	82
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:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

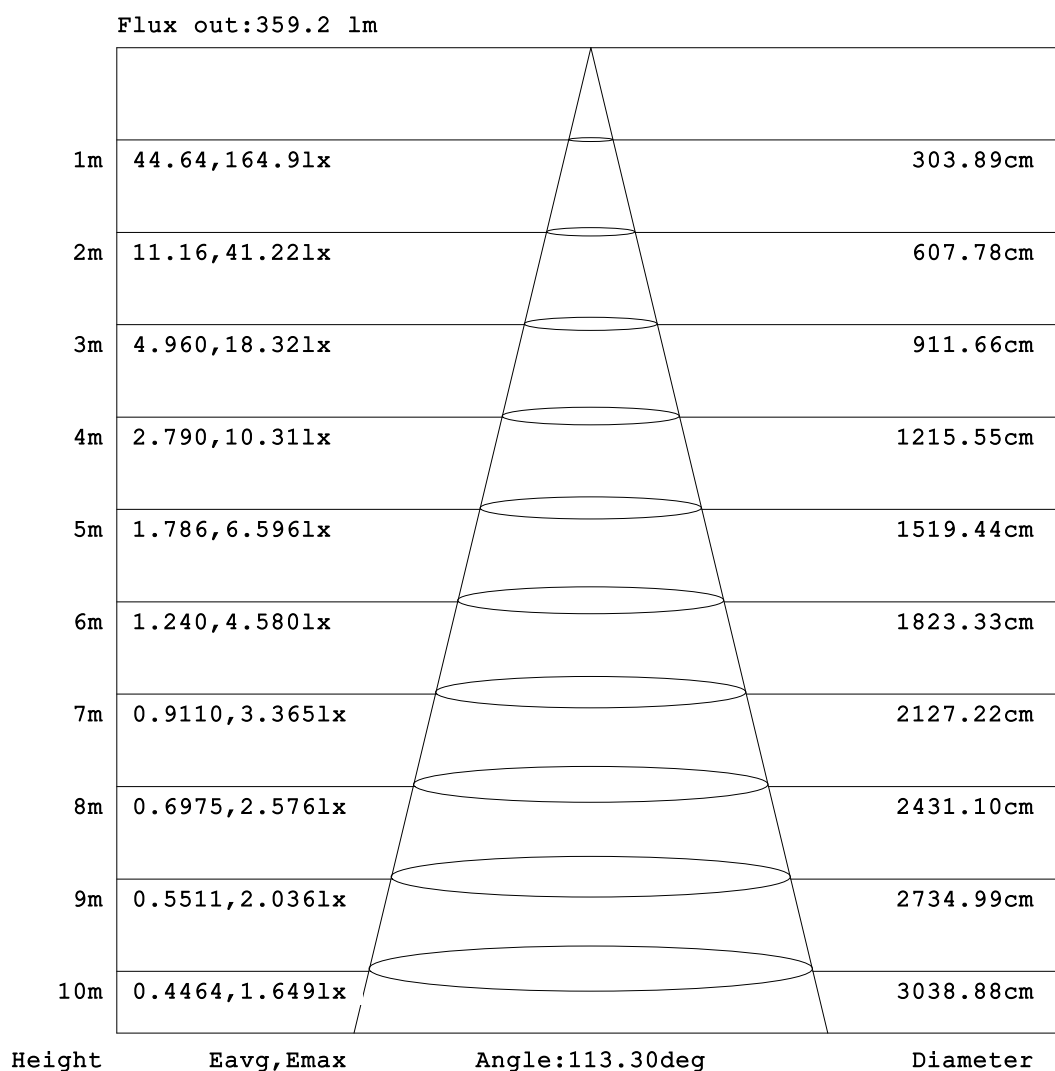


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### AAI Figure

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:



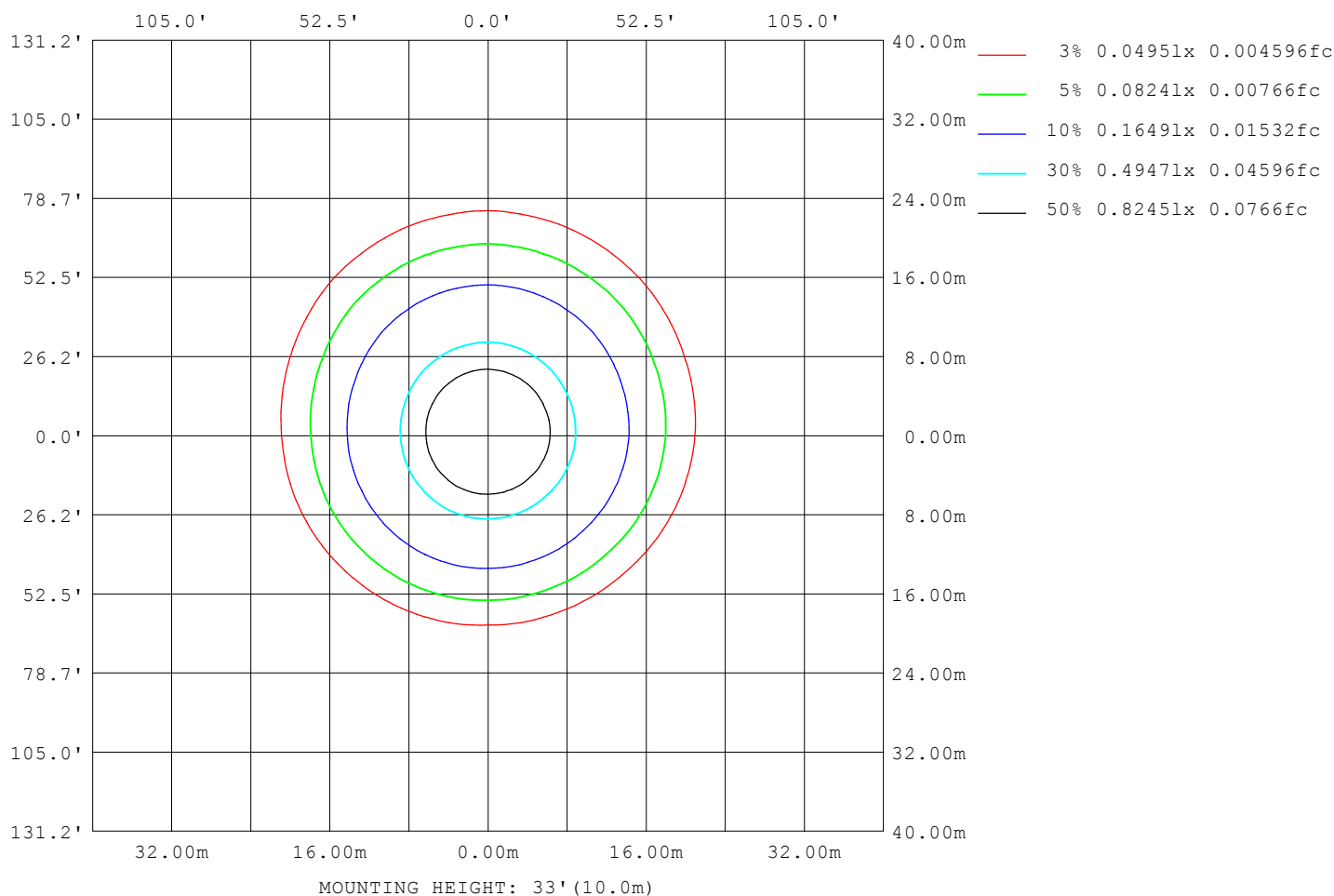
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

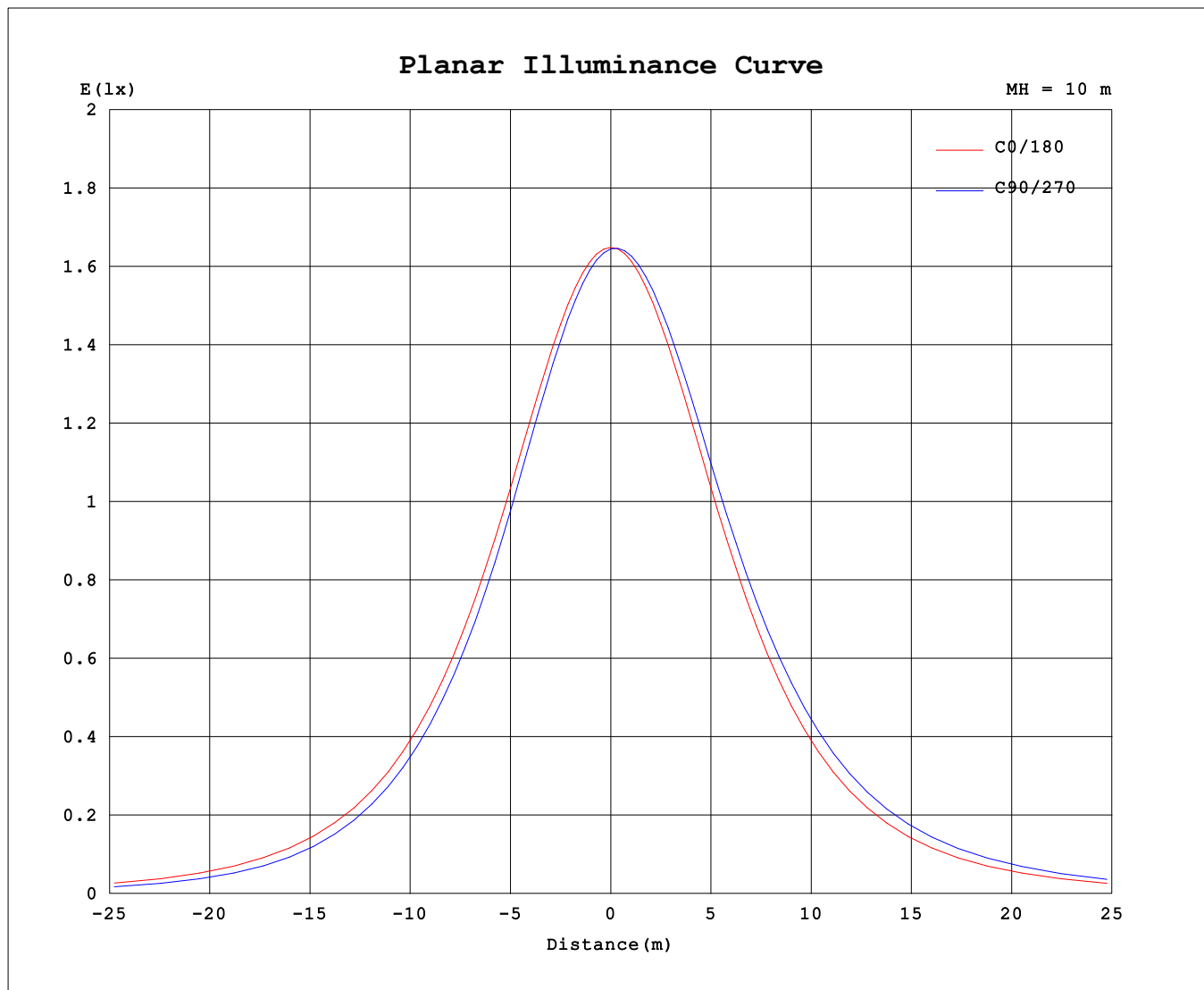
AvgL	cd/m2
L_0~180 (65) av	8838
L_0~180 (75) av	7604
L_0~180 (85) av	4726
L_90~270 (65) av	8999
L_90~270 (75) av	7816
L_90~270 (85) av	9046
L_45 (65) av	8956
L_45 (75) av	7648
L_45 (85) av	6927

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YSL  
 Test Date: 2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.4267A P:10.240W PF:1.0000 Freq:0Hz Lamp Flux:4.16347x120 lm		
NAME: NS-TS1615-W30-10	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.016*0.015MM	SERIAL No.:
MFR.:	SUR.: 0.016*1	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (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	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164			
5	164	163	163	163	163	163	163	164	164	164	165	165	165	165	165	164			
10	161	160	159	159	159	159	160	161	162	163	164	165	165	164	163	162			
15	159	157	155	155	155	155	156	158	159	160	162	163	163	163	162	160			
20	153	150	148	147	147	148	150	151	153	155	158	160	160	159	157	155			
25	148	145	142	141	141	142	144	146	148	151	154	156	156	155	153	150			
30	139	136	132	131	130	132	134	137	139	143	147	149	149	148	146	142			
35	132	128	124	123	122	124	127	130	132	136	141	143	144	142	139	135			
40	121	116	112	110	110	112	114	117	121	125	131	134	135	132	129	124			
45	112	107	103	101	101	103	105	109	112	117	123	127	128	125	121	116			
50	98.7	92.9	88.6	86.5	86.0	88.4	91.2	94.4	98.5	104	111	115	116	113	109	103			
55	89.0	83.0	78.3	75.6	74.8	77.7	81.0	84.5	88.7	94.6	102	106	107	104	100	93.4			
60	73.6	67.4	61.1	57.8	57.1	60.0	64.2	68.9	73.1	79.6	87.6	91.2	92.5	89.6	85.5	78.6			
65	62.8	56.0	49.3	45.9	45.1	48.1	52.2	57.7	62.3	69.3	77.1	81.0	82.3	79.3	74.9	68.2			
70	46.1	38.6	31.6	28.3	27.7	30.4	34.5	40.0	45.4	52.6	60.2	63.7	64.7	61.9	57.9	51.5			
75	34.8	27.2	20.5	17.7	17.2	19.5	23.1	28.5	33.9	41.1	48.2	51.9	52.8	50.1	45.9	40.0			
80	18.4	12.0	7.50	6.32	6.28	7.20	9.11	12.9	17.4	23.9	30.4	33.9	34.9	32.2	28.3	23.1			
85	9.09	4.69	3.81	4.44	4.72	4.47	3.95	5.02	8.04	13.4	19.1	22.4	23.3	20.8	17.3	12.9			
90	1.45	2.15	3.56	4.28	4.43	4.21	3.35	1.76	0.85	2.92	6.29	8.69	9.44	7.89	5.63	3.17			
95	0.45	2.21	3.69	4.47	4.55	4.35	3.45	1.79	0.45	1.91	3.96	5.49	6.00	5.40	4.34	2.46			
100	0.45	2.72	3.71	4.04	4.11	4.10	3.56	2.29	0.45	1.92	3.72	4.96	5.22	4.97	4.26	2.47			
105	0.57	2.92	3.81	3.88	3.78	3.80	3.46	2.48	0.49	2.03	3.81	4.91	5.09	4.96	4.28	2.51			
110	0.76	3.24	4.17	4.12	3.86	3.93	3.69	2.84	0.68	2.01	3.52	4.29	4.77	4.54	3.81	2.46			
115	0.88	3.37	4.33	4.43	4.27	4.17	3.91	2.98	0.80	2.02	3.26	3.69	4.15	3.94	3.54	2.41			
120	1.07	3.41	4.43	4.80	4.76	4.54	3.75	3.00	1.00	1.95	3.04	3.58	3.88	3.92	3.59	2.37			
125	1.19	3.48	4.61	5.08	5.18	4.81	3.77	3.05	1.14	1.79	2.77	3.68	3.99	3.96	3.37	2.32			
130	1.36	3.63	5.00	5.77	5.96	5.36	4.01	3.15	1.32	1.83	2.63	3.33	3.57	3.66	3.28	2.29			
135	1.47	3.58	5.37	6.14	6.35	5.50	4.24	3.18	1.42	1.80	2.58	3.13	3.54	3.62	3.31	2.25			
140	1.61	3.43	5.51	6.33	6.55	5.33	4.34	3.00	1.58	1.84	2.56	3.02	3.64	3.62	3.29	2.35			
145	1.71	3.21	5.47	6.29	6.56	5.19	4.17	2.97	1.68	1.93	2.69	3.17	3.88	3.95	3.56	2.42			
150	1.85	3.20	4.86	5.76	6.14	4.59	3.92	2.84	1.83	2.05	2.69	3.26	4.10	4.14	3.56	2.44			
155	1.96	3.10	4.42	5.59	5.71	4.33	3.60	2.85	1.94	2.13	2.55	3.11	4.08	3.84	3.41	2.39			
160	2.10	2.95	3.63	4.53	4.87	3.65	3.30	2.91	2.11	2.09	2.53	2.70	3.68	3.58	3.17	2.22			
165	2.20	2.87	3.50	3.79	3.97	3.31	3.16	2.82	2.22	2.09	2.53	2.53	3.37	3.24	2.88	2.21			
170	2.36	2.76	3.10	3.38	3.05	3.01	3.04	2.70	2.36	2.14	2.26	2.21	2.24	2.58	2.37	2.17			
175	2.45	2.89	2.90	2.96	2.73	2.76	2.78	2.69	2.45	2.18	2.21	2.16	2.12	2.23	2.23	2.23			
180	2.54	2.53	2.52	2.52	2.43	2.56	2.68	2.74	2.55	2.53	2.52	2.52	2.44	2.56	2.68	2.75			

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