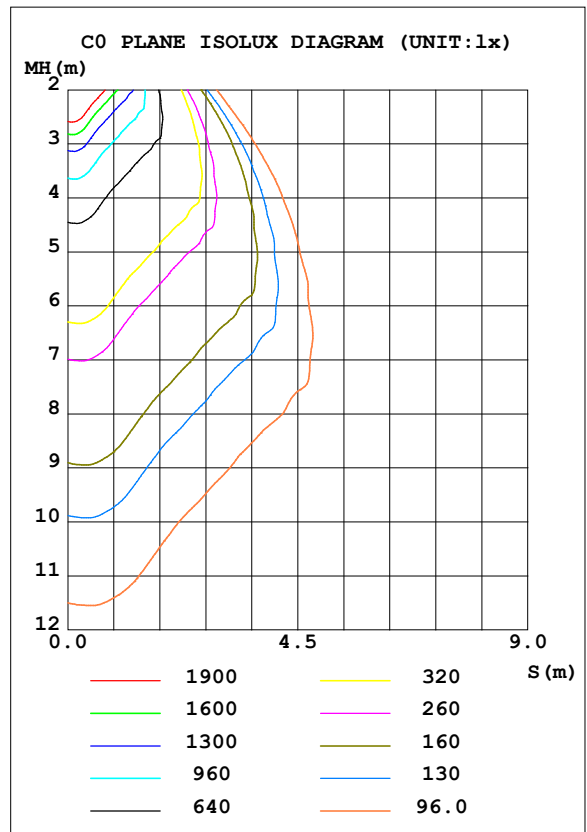
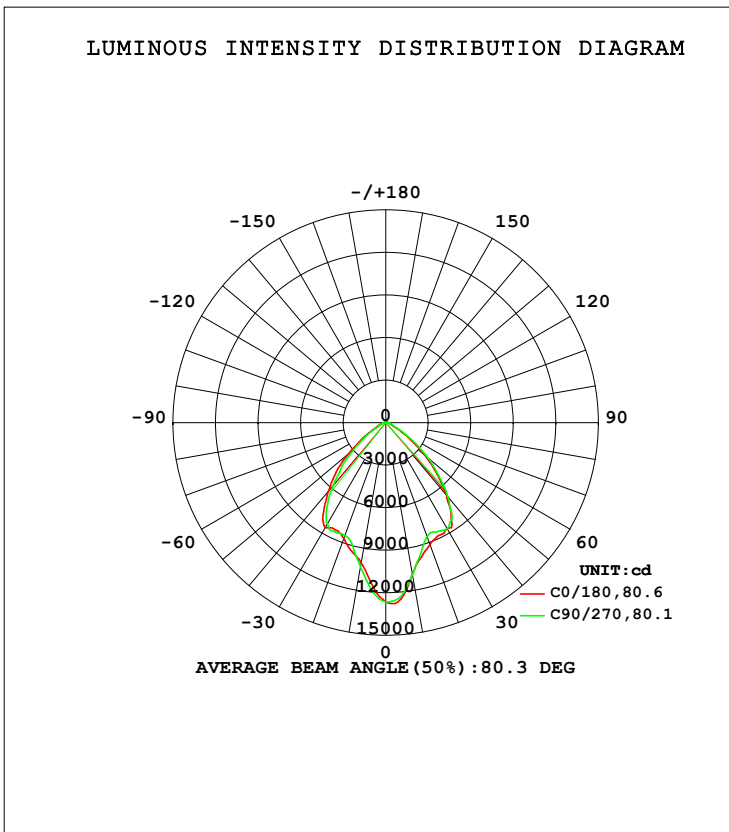


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.54 lm/W			
MODEL	150W-HV	I <sub>max</sub> (cd)	13000	S/MH (C0/180)	0.91
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	0.94
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	19819	<input type="checkbox"/> UP, DN (C0-180)	0.8, 52.4
NOMINAL FLUX (lm)	19819.3	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.5, 46.4
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.3	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	277.0	<input type="checkbox"/> down (%)	98.7	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators: Jenson  
 Test Date: 13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

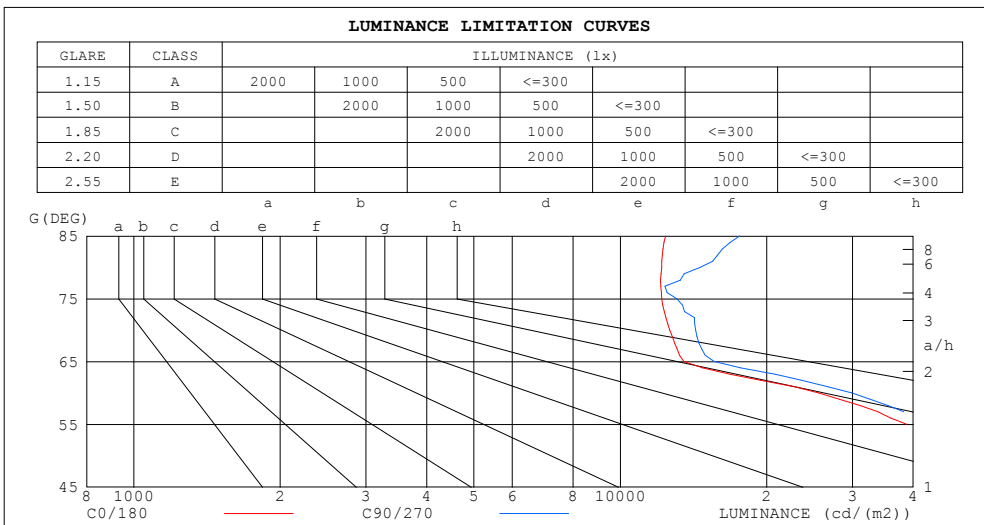
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1086	1124	1090	1060	1001	993.2	1033	1054	0- 10	1096	1096	5.53,5.53
20	914.6	928.3	856.4	848.1	869.4	885.9	849.0	864.4	10- 20	2674	3770	19,19
30	862.4	854.8	864.4	862.1	855.9	858.9	821.6	841.7	20- 30	3966	7736	39,39
40	667.0	710.5	678.7	673.6	631.0	589.5	573.7	590.0	30- 40	4781	12516	63.2,63.2
50	359.4	427.7	393.9	413.7	342.0	312.1	291.9	305.8	40- 50	3822	16339	82.4,82.4
60	127.2	168.3	149.0	160.1	122.4	93.87	90.20	96.57	50- 60	2062	18401	92.8,92.8
70	43.02	47.46	48.74	47.08	46.71	43.11	41.45	37.65	60- 70	694.4	19096	96.3,96.3
80	21.04	26.22	25.27	26.17	24.73	20.02	17.91	16.18	70- 80	342.0	19438	98.1,98.1
90	3.715	5.598	5.808	6.434	6.985	5.529	2.988	1.476	80- 90	133.2	19571	98.7,98.7
100	3.152	4.490	5.037	6.167	6.448	5.518	2.806	1.322	90-100	49.31	19620	99,99
110	2.864	4.184	4.001	6.488	4.324	5.661	1.724	1.750	100-110	43.43	19664	99.2,99.2
120	5.343	7.726	3.409	5.687	3.427	4.222	1.632	3.190	110-120	38.53	19702	99.4,99.4
130	7.377	8.007	4.117	4.773	4.173	2.900	1.925	3.159	120-130	40.54	19743	99.6,99.6
140	5.849	4.904	4.054	2.891	3.426	2.239	1.793	2.253	130-140	31.35	19774	99.8,99.8
150	4.318	4.609	3.366	2.694	2.786	2.325	2.371	2.422	140-150	21.42	19795	99.9,99.9
160	3.022	3.569	2.993	2.797	2.433	2.085	2.051	2.237	150-160	13.41	19809	99.9,99.9
170	2.916	3.114	2.698	2.889	2.790	3.096	3.147	2.884	160-170	7.634	19816	100,100
180	3.100	3.139	3.436	2.798	2.904	3.234	3.029	2.954	170-180	2.892	19819	100,100
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12390	17583
80	12167	14597
75	12168	13059
70	12633	14293
65	13514	15605
60	25544	29890
55	38802	44626
50	56145	61468
45	72811	74700

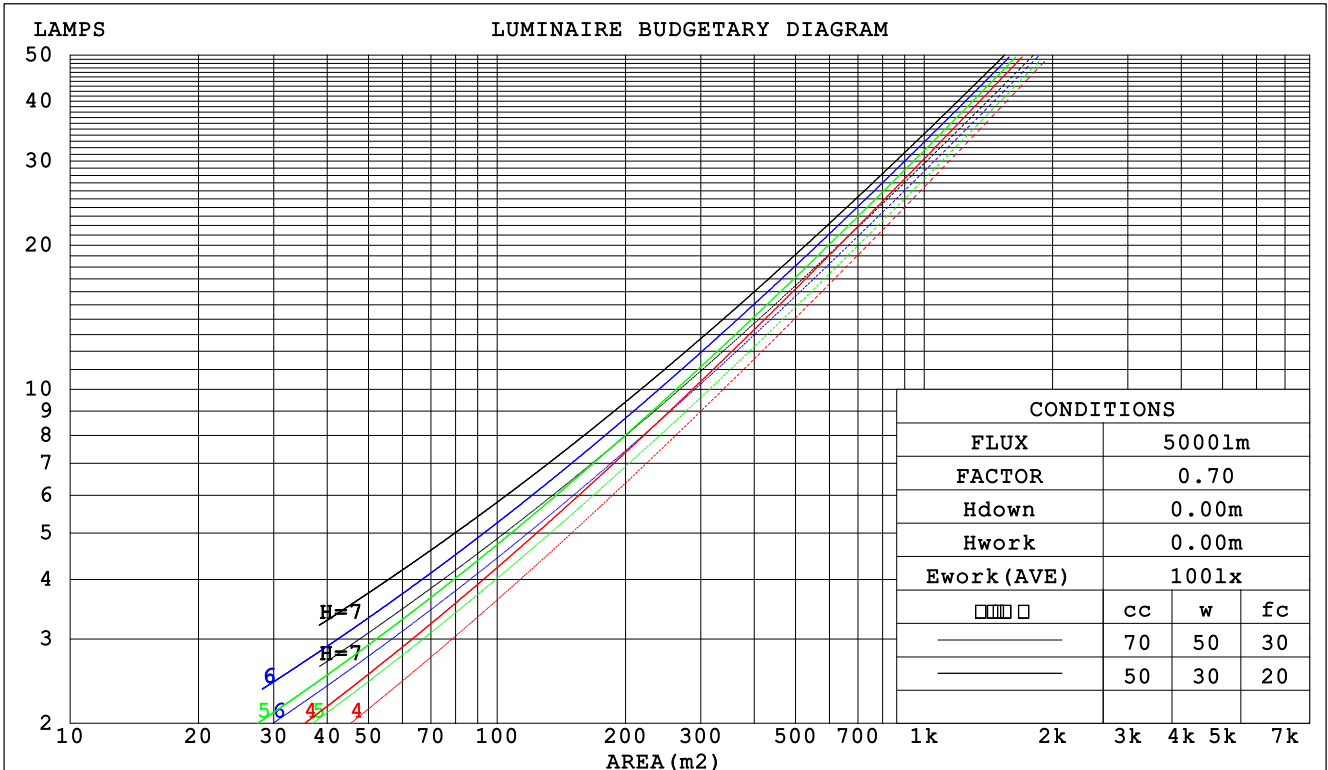
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.97	.91	.87	.95	.90	.86	.91	.87	.84	.88	.84	.81	.85	.82	.80	.78
3.0	.87	.81	.75	.86	.80	.75	.83	.77	.73	.80	.76	.72	.77	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.66	.63	.61
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.54
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.52	.61	.55	.51	.60	.54	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.36	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	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	.237 .135 .043	.230 .131 .042	.217 .124 .040	.204 .118 .038	.192 .112 .036	
2.0	.229 .126 .039	.223 .123 .038	.211 .117 .036	.200 .112 .035	.190 .107 .034	
3.0	.218 .116 .035	.212 .114 .034	.202 .109 .033	.192 .105 .032	.183 .101 .031	
4.0	.206 .107 .031	.201 .105 .031	.192 .102 .030	.183 .098 .030	.175 .095 .029	
5.0	.194 .099 .029	.190 .097 .028	.182 .095 .028	.174 .092 .027	.167 .089 .027	
6.0	.183 .092 .026	.180 .091 .026	.172 .088 .026	.166 .086 .025	.159 .084 .025	
7.0	.173 .086 .024	.170 .085 .024	.163 .083 .024	.157 .081 .023	.152 .079 .023	
8.0	.164 .080 .023	.161 .079 .022	.155 .077 .022	.150 .076 .022	.144 .074 .022	
9.0	.155 .075 .021	.153 .074 .021	.147 .073 .021	.142 .071 .020	.138 .070 .020	
10.0	.148 .071 .020	.145 .070 .020	.140 .069 .019	.136 .067 .019	.131 .066 .019	

<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	.200 .200 .200	.171 .171 .171	.117 .117 .117	.067 .067 .067	.021 .021 .021	
1.0	.185 .166 .150	.158 .143 .129	.108 .098 .089	.062 .057 .052	.020 .018 .017	
2.0	.174 .142 .115	.149 .122 .100	.102 .085 .070	.059 .049 .041	.019 .016 .013	
3.0	.164 .124 .091	.141 .107 .079	.097 .074 .056	.056 .043 .033	.018 .014 .011	
4.0	.156 .110 .075	.134 .095 .065	.092 .066 .046	.053 .039 .027	.017 .013 .009	
5.0	.149 .099 .062	.128 .086 .054	.088 .060 .038	.051 .035 .023	.016 .011 .007	
6.0	.142 .090 .053	.122 .078 .046	.084 .055 .033	.049 .032 .020	.016 .011 .006	
7.0	.136 .083 .047	.117 .072 .041	.081 .051 .029	.047 .030 .017	.015 .010 .006	
8.0	.130 .077 .041	.112 .067 .036	.077 .047 .026	.045 .028 .015	.015 .009 .005	
9.0	.125 .072 .037	.107 .063 .033	.074 .044 .023	.043 .026 .014	.014 .009 .005	
10.0	.120 .068 .034	.103 .059 .030	.071 .042 .021	.042 .025 .013	.014 .008 .004	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm										
NAME: 150W-HV					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: nuoguan					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	23.8	25.1	24.2	25.5	25.8	23.4	24.7	23.7	25.0	25.4
3H	24.0	25.2	24.4	25.6	25.9	23.7	24.8	24.1	25.2	25.6
4H	24.1	25.2	24.5	25.6	26.0	23.8	24.9	24.2	25.3	25.7
6H	24.2	25.2	24.7	25.6	26.1	23.9	25.0	24.4	25.3	25.8
8H	24.3	25.2	24.7	25.7	26.1	24.0	25.0	24.5	25.4	25.8
12H	24.3	25.2	24.8	25.6	26.1	24.1	25.0	24.6	25.4	25.9
4H 2H	23.8	24.9	24.2	25.3	25.7	23.3	24.5	23.8	24.8	25.2
3H	24.1	25.0	24.6	25.5	25.9	23.8	24.7	24.2	25.1	25.6
4H	24.3	25.1	24.8	25.6	26.1	24.0	24.8	24.5	25.3	25.7
6H	24.6	25.3	25.0	25.7	26.2	24.3	25.0	24.7	25.4	25.9
8H	24.6	25.3	25.1	25.8	26.3	24.4	25.1	24.9	25.5	26.0
12H	24.7	25.3	25.2	25.8	26.3	24.6	25.1	25.1	25.7	26.2
8H 4H	24.4	25.0	24.9	25.5	26.0	24.1	24.7	24.6	25.2	25.7
6H	24.7	25.2	25.2	25.8	26.3	24.4	25.0	24.9	25.5	26.0
8H	24.9	25.3	25.4	25.9	26.4	24.7	25.2	25.2	25.7	26.2
12H	25.0	25.5	25.6	26.0	26.6	24.9	25.4	25.5	25.9	26.5
12H 4H	24.4	24.9	24.9	25.4	25.9	24.1	24.6	24.6	25.1	25.6
6H	24.7	25.2	25.3	25.7	26.3	24.5	24.9	25.0	25.4	26.0
8H	24.9	25.4	25.5	25.9	26.5	24.8	25.2	25.3	25.7	26.3
CIE190: 2010										

CIE190: 2010  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.6DEG  
Operators:Jenson  
Test Date:13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
Humidity: 51.4%  
Test Distance:26.000m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:

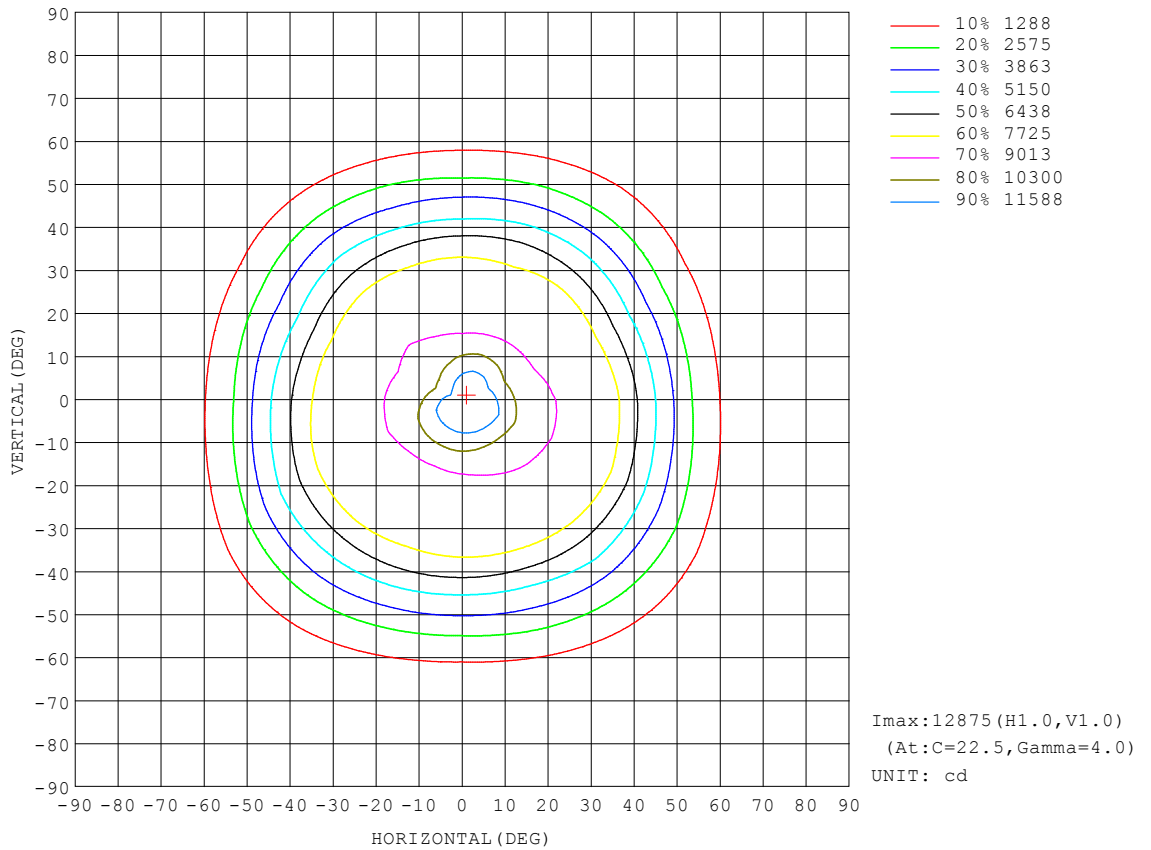
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	68	58	52	67	58	52	66	58	52	47
0.80	78	69	63	77	68	63	75	67	62	56
1.00	86	77	72	85	77	71	83	77	71	65
1.25	92	84	79	91	83	78	88	82	77	71
1.50	96	89	84	95	88	83	92	86	82	76
2.00	102	95	90	100	94	90	97	92	88	81
2.50	104	98	94	102	97	93	99	94	91	84
3.00	107	102	97	105	100	96	101	97	94	86
4.00	110	105	102	107	103	100	103	100	97	89
5.00	111	108	104	109	106	103	104	102	100	91
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: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:

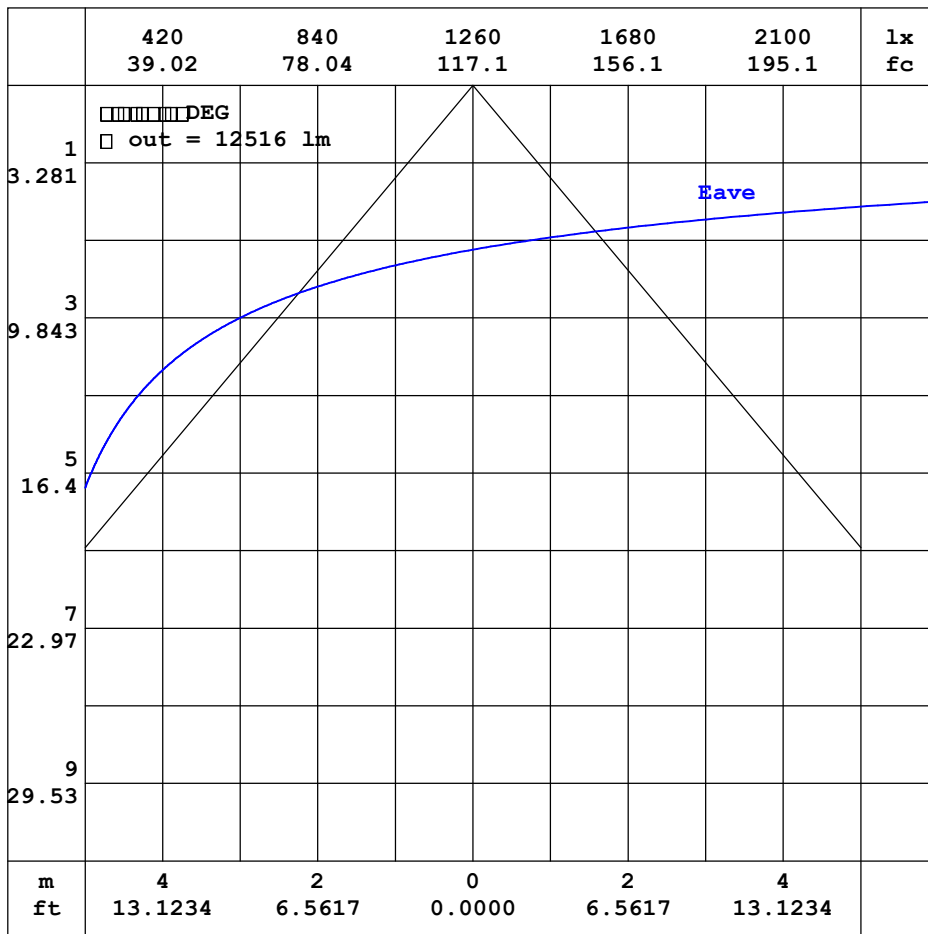


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators: Jenson  
 Test Date: 13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**AAI CURVES**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:



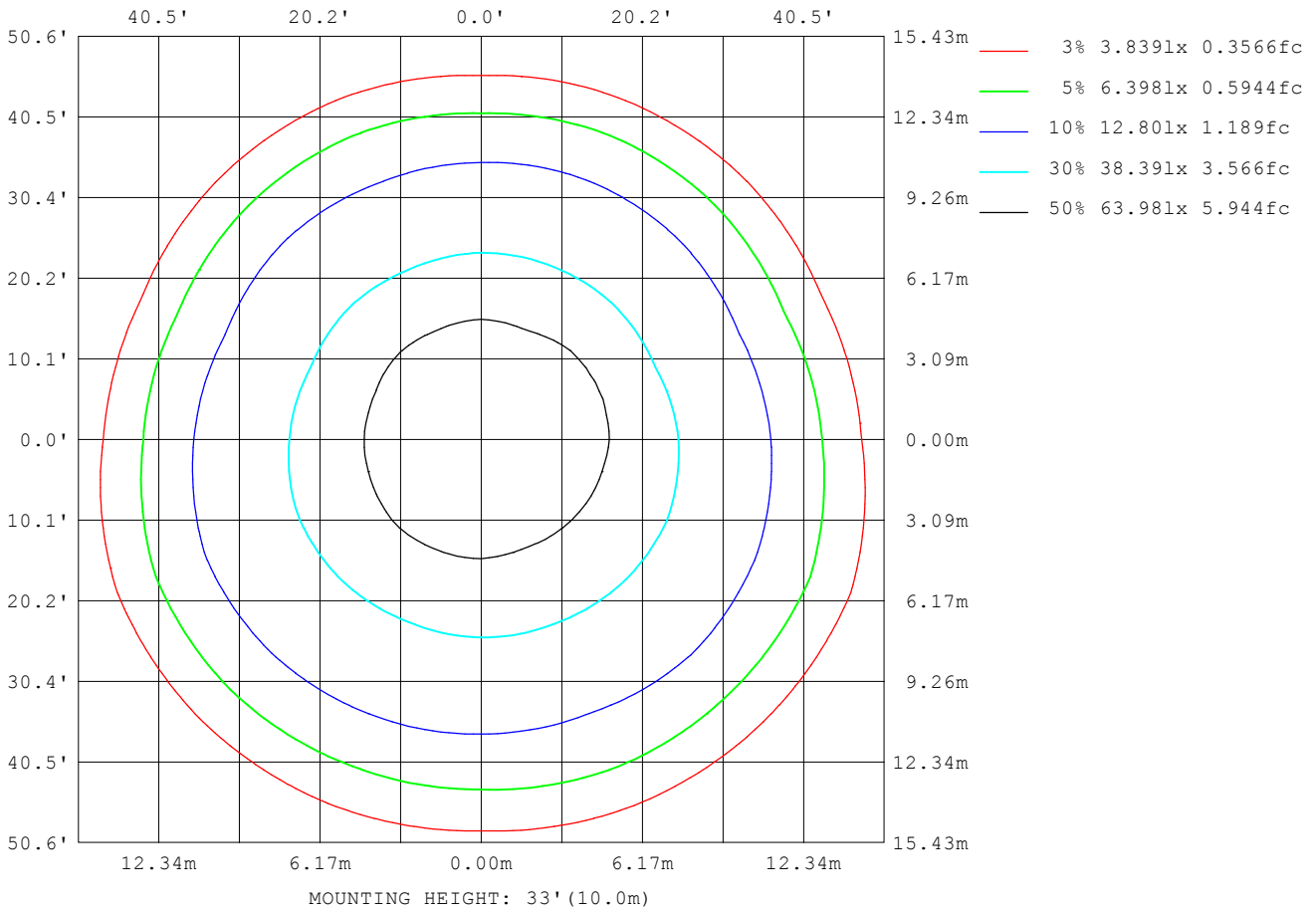
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators: Jenson  
 Test Date: 13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:

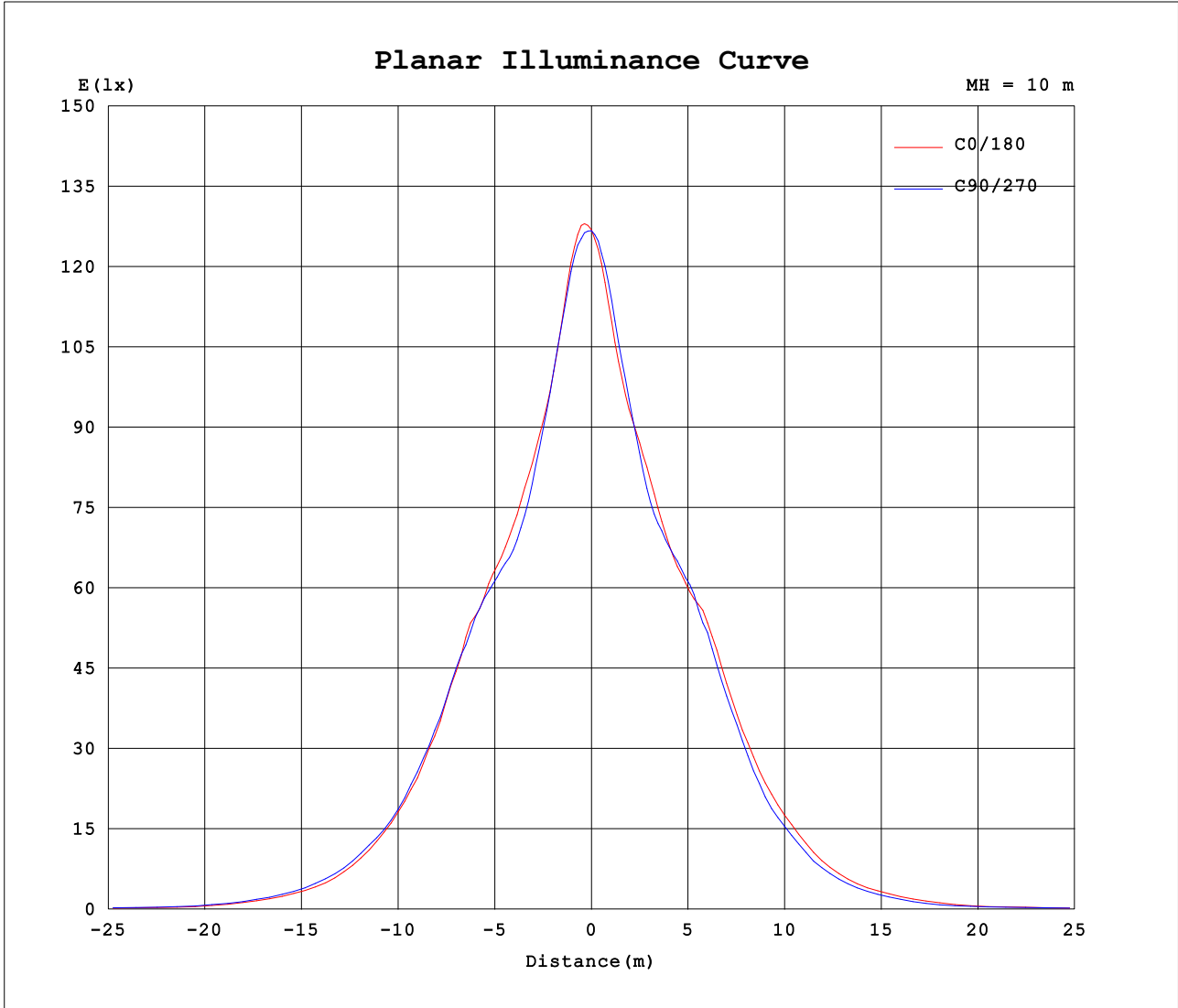
AvgL	cd/m2
L_0~180 (65) av	13820
L_0~180 (75) av	12902
L_0~180 (85) av	14433
L_90~270 (65) av	14289
L_90~270 (75) av	11538
L_90~270 (85) av	12545
L_45 (65) av	14596
L_45 (75) av	12631
L_45 (85) av	13130

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators:Jenson  
 Test Date:13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators: Jenson  
 Test Date: 13 October 2021

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.426  
 Humidity: 51.4%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.31V I:0.5364A P:148.4W PF:0.9977 Freq:60.01Hz Lamp Flux:19819.3x1 lm		
NAME: 150W-HV	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: nuoguan	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

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	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264			
5	1246	1293	1277	1253	1231	1210	1195	1185	1142	1096	1114	1147	1183	1211	1215	1197			
10	1086	1151	1124	1105	1090	1075	1060	1043	1001	983	993	1010	1033	1056	1054	1033			
15	980	1017	992	968	955	934	935	946	937	932	944	920	905	920	928	930			
20	915	951	928	896	856	845	848	873	869	873	886	859	849	852	864	871			
25	879	888	865	841	850	846	844	834	837	851	861	850	851	838	864	871			
30	862	862	855	851	864	870	862	843	856	848	859	839	822	819	842	859			
35	805	851	845	820	817	802	809	814	765	727	737	714	723	724	738	736			
40	667	717	711	677	679	680	674	678	631	580	589	578	574	595	590	586			
45	513	568	571	537	527	535	540	545	495	446	468	433	438	459	453	450			
50	359	420	428	403	394	397	414	411	342	308	312	307	292	309	306	297			
55	222	284	279	273	255	260	265	260	214	194	197	193	179	188	194	192			
60	127	172	168	158	149	151	160	154	122	94.1	93.9	92.2	90.2	94.5	96.6	94.3			
65	56.9	75.1	72.7	71.3	65.8	68.9	68.0	71.0	59.9	55.9	55.0	57.2	55.0	52.5	51.0	50.4			
70	43.0	48.3	47.5	48.1	48.7	48.4	47.1	48.9	46.7	43.7	43.1	41.5	41.4	39.2	37.7	38.2			
75	31.4	36.5	35.8	32.9	33.7	32.1	35.9	37.4	35.4	32.3	31.9	27.2	26.0	26.1	27.2	27.5			
80	21.0	25.7	26.2	25.2	25.3	24.9	26.2	26.9	24.7	21.0	20.0	19.5	17.9	15.9	16.2	16.9			
85	10.8	15.4	15.6	15.2	15.3	15.4	15.6	17.0	14.4	10.3	9.07	7.77	6.59	4.95	5.46	6.47			
90	3.71	6.70	5.60	5.26	5.81	6.29	6.43	8.37	6.98	6.61	5.53	4.47	2.99	1.03	1.48	3.00			
95	3.60	5.08	4.80	4.60	5.21	5.81	5.98	6.39	6.68	6.35	5.52	4.45	2.83	0.92	1.35	2.33			
100	3.15	4.23	4.49	4.17	5.04	5.83	6.17	6.31	6.45	5.84	5.52	4.64	2.81	0.81	1.32	2.04			
105	2.84	3.66	4.14	3.75	4.46	5.88	6.30	6.27	5.71	5.45	5.64	4.52	2.57	0.90	1.37	2.11			
110	2.86	3.56	4.18	3.88	4.00	5.69	6.49	5.71	4.32	5.09	5.66	4.28	1.72	1.15	1.75	2.54			
115	3.81	4.36	5.50	4.31	1.88	4.71	6.04	4.86	3.50	4.45	5.21	2.97	1.45	1.48	2.61	3.60			
120	5.34	6.13	7.73	3.60	3.41	2.65	5.69	4.41	3.43	4.30	4.22	2.73	1.63	2.07	3.19	4.57			
125	6.40	7.69	8.57	6.16	3.94	4.52	5.57	4.39	3.86	4.61	3.60	2.48	2.02	2.24	3.43	5.21			
130	7.38	8.04	8.01	4.64	4.12	4.07	4.77	4.73	4.17	4.11	2.90	2.09	1.93	2.09	3.16	5.33			
135	6.63	7.37	6.25	4.75	3.06	4.82	3.51	4.42	3.94	3.54	2.34	2.08	1.82	2.08	2.69	4.45			
140	5.85	6.42	4.90	6.04	4.05	4.73	2.89	3.91	3.43	2.98	2.24	2.27	1.79	2.20	2.25	3.63			
145	4.91	5.05	4.76	5.20	3.28	4.28	2.71	3.38	3.05	2.75	2.27	2.43	2.24	2.45	2.28	3.06			
150	4.32	4.31	4.61	4.15	3.37	3.92	2.69	3.33	2.79	2.61	2.33	2.49	2.37	2.45	2.42	2.44			
155	3.51	3.57	4.22	3.55	3.35	3.49	2.71	3.25	2.45	2.56	2.12	2.46	2.11	2.17	2.23	2.02			
160	3.02	2.88	3.57	3.08	2.99	3.14	2.80	3.03	2.43	2.55	2.08	2.44	2.05	2.20	2.24	1.97			
165	2.88	2.73	3.22	2.86	2.77	2.86	2.91	2.89	2.52	2.71	2.44	2.51	2.10	2.23	2.38	2.22			
170	2.92	2.80	3.11	2.80	2.70	3.08	2.89	2.87	2.79	3.07	3.10	2.89	3.15	3.29	2.88	2.71			
175	3.06	3.18	3.20	3.18	3.45	3.13	2.91	2.92	2.87	3.08	3.15	2.96	3.02	3.29	2.80	2.68			
180	3.10	3.24	3.14	3.05	3.44	2.96	2.80	2.94	2.90	3.12	3.23	3.07	3.03	3.43	2.95	2.79			

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