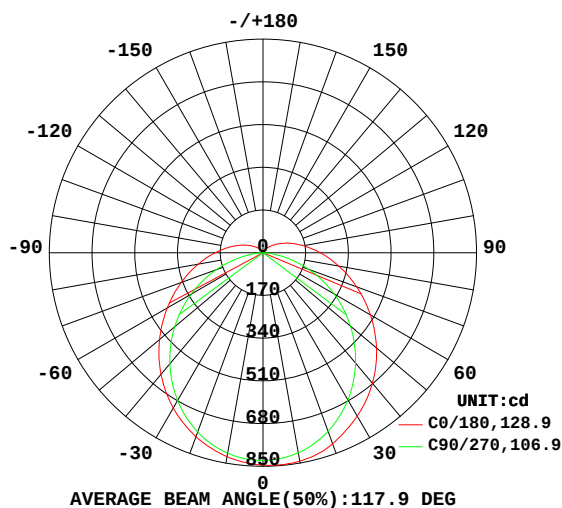


LUMINAIRE PHOTOMETRIC TEST REPORT

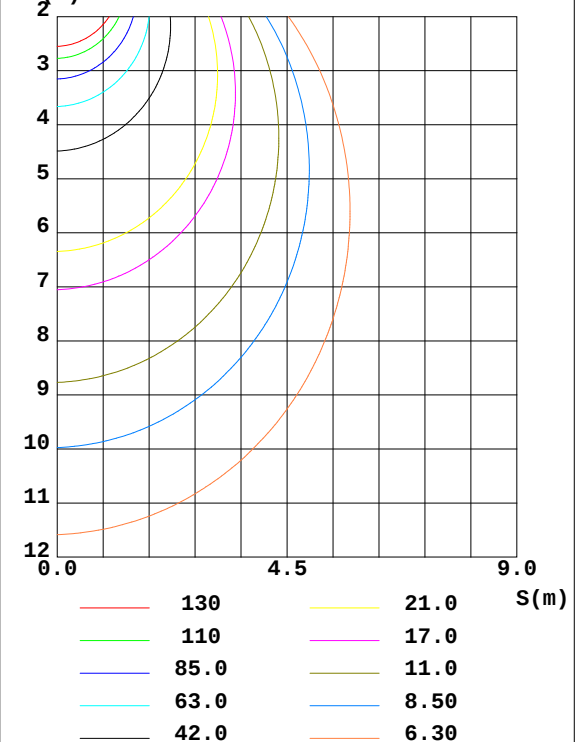
Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.65 lm/W			
MODEL		I _{max} (cd)	846.8	S/MH(C0/180)	1.32
NOMINAL POWER(W)	22.56	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2893.7	η UP, DN(C0-180)	4.2, 45.5
NOMINAL FLUX(lm)	2893.66	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.4, 45.9
LAMPS INSIDE	1	η up(%)	8.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	η down(%)	91.4	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:25.3DEG
Operators:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

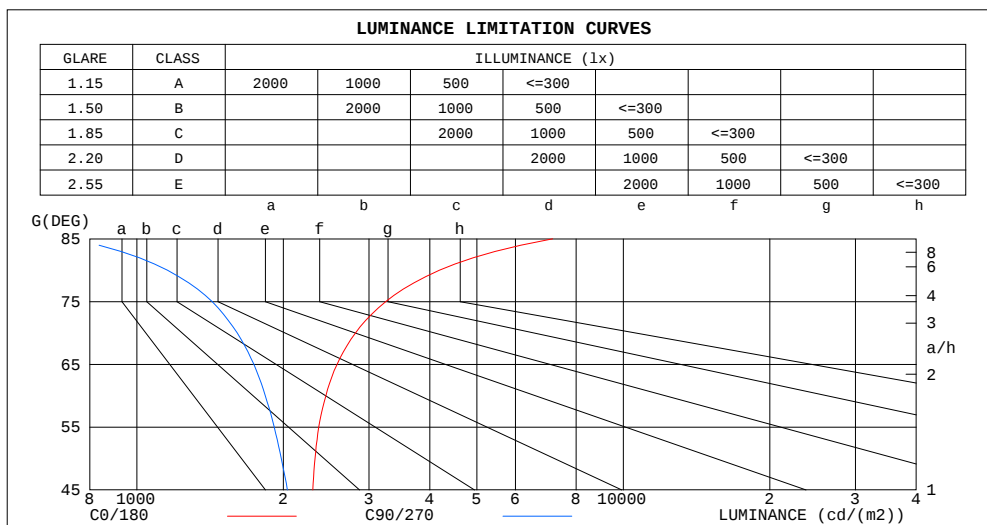
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	823.9	812.4	809.7	815.3	842.2	823.0	808.2	802.3	0- 10	78.55	78.55	2.71, 2.71
20	779.4	763.4	759.2	775.5	809.2	781.8	756.4	753.2	10- 20	224.8	303.4	10.5, 10.5
30	713.9	689.7	679.5	707.5	750.3	707.1	675.9	679.4	20- 30	339.8	643.2	22.2, 22.2
40	631.4	597.0	576.8	620.6	677.3	623.1	572.9	587.1	30- 40	410.6	1054	36.4, 36.4
50	537.8	491.2	458.4	519.6	589.8	524.3	454.7	483.1	40- 50	431.2	1485	51.3, 51.3
60	440.3	382.3	330.5	412.3	493.4	418.1	326.8	375.5	50- 60	403.8	1889	65.3, 65.3
70	346.5	278.8	198.0	308.0	396.8	313.7	193.8	273.9	60- 70	338.3	2227	77, 77
80	261.8	189.8	72.23	215.9	306.6	220.5	68.22	186.1	70- 80	251.6	2479	85.7, 85.7
90	190.7	121.5	0.6860	142.4	228.2	145.6	0.5966	118.4	80- 90	166.3	2645	91.4, 91.4
100	133.9	74.00	0.6672	88.76	163.2	91.22	0.8980	71.88	90-100	105.7	2751	95.1, 95.1
110	89.66	40.92	0.9565	53.10	111.3	54.74	1.211	38.57	100-110	65.18	2816	97.3, 97.3
120	56.73	20.17	1.311	31.14	71.66	32.20	1.572	18.93	110-120	37.73	2854	98.6, 98.6
130	34.15	11.33	1.701	18.07	43.44	18.80	1.944	10.73	120-130	20.58	2874	99.3, 99.3
140	19.48	6.930	2.108	10.57	24.27	11.01	2.351	6.629	130-140	10.41	2885	99.7, 99.7
150	10.35	4.928	2.510	6.443	12.58	6.739	2.670	4.842	140-150	5.045	2890	99.9, 99.9
160	5.996	4.011	2.835	4.319	6.465	4.459	2.912	3.910	150-160	2.417	2892	100, 100
170	3.580	3.520	3.065	3.574	3.601	3.661	3.095	3.461	160-170	1.092	2893	100, 100
180	3.060	3.201	3.160	3.148	3.089	3.225	3.172	3.148	170-180	0.3225	2894	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7152	741
80	4188	1155
75	3248	1428
70	2814	1608
65	2580	1739
60	2446	1836
55	2366	1915
50	2324	1981
45	2300	2039

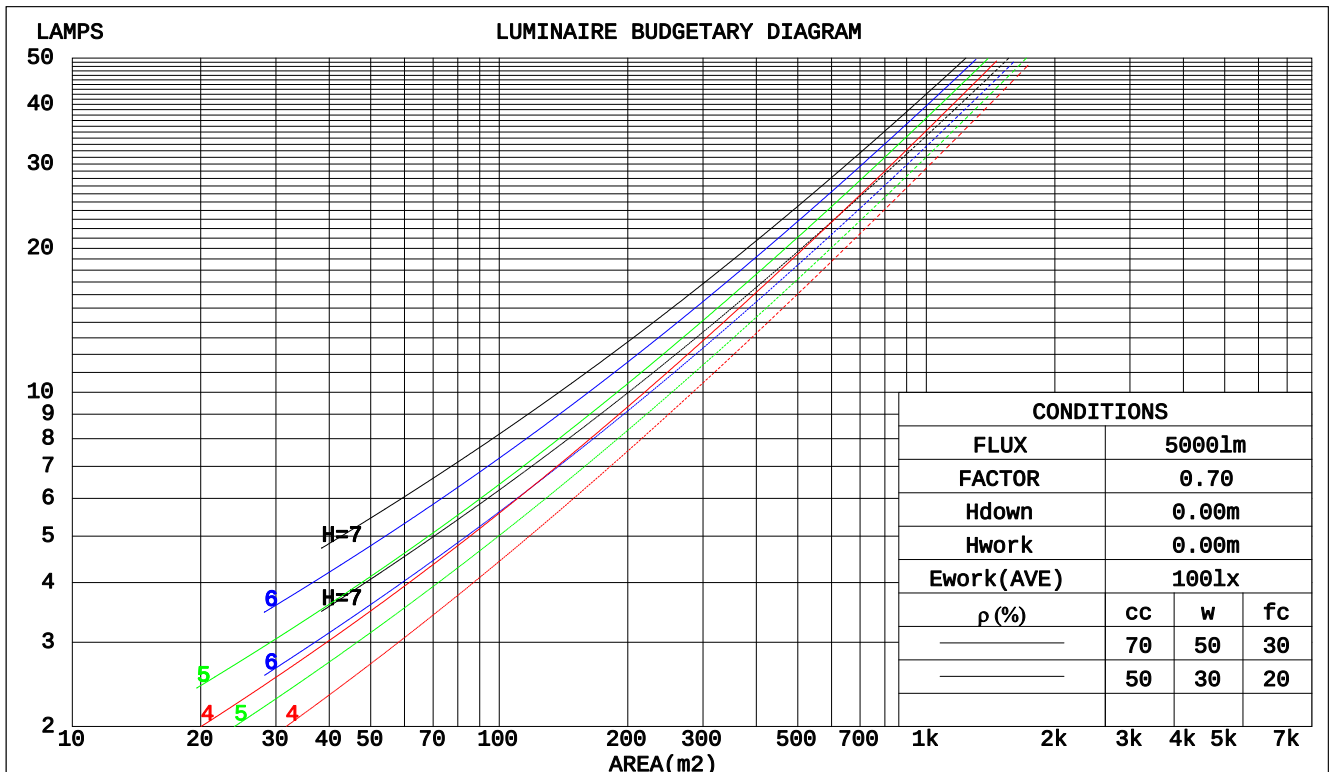
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 30 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.361
 Humidity: 65.0%
 Test Distance: 9.480m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.99	.94	.90	.96	.92	.87	.90	.86	.83	.85	.82	.79	.80	.77	.75	.72
2.0	.86	.78	.72	.83	.76	.70	.78	.72	.67	.73	.68	.64	.69	.65	.62	.59
3.0	.75	.66	.59	.72	.64	.58	.68	.61	.56	.64	.58	.54	.60	.56	.52	.49
4.0	.66	.57	.49	.64	.55	.49	.60	.53	.47	.57	.51	.45	.54	.48	.44	.41
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.44	.39	.48	.43	.38	.36
6.0	.53	.43	.37	.51	.43	.36	.49	.41	.35	.46	.39	.34	.44	.38	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.37	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.26	.22	.31	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:30 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
 Humidity:65.0%
 Test Distance:9.480m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm									
NAME:				TYPE:				WEIGHT:	
SPEC.:				DIM.:				SERIAL No.:	
MFR.: AOTOM				SUR.:0.3x1.2				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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.360	.205	.065	.350	.200	.063	.332	.190	.061	.315	.182	.058	.299	.173	.056		
2.0	.319	.175	.054	.310	.171	.053	.294	.163	.051	.279	.156	.049	.265	.150	.047		
3.0	.287	.153	.046	.279	.150	.045	.264	.143	.044	.251	.137	.042	.238	.132	.041		
4.0	.261	.135	.040	.253	.133	.039	.240	.127	.038	.228	.122	.037	.216	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.114	.034	.209	.110	.033	.198	.106	.032		
6.0	.219	.110	.031	.213	.108	.031	.203	.104	.030	.193	.100	.029	.183	.096	.029		
7.0	.203	.100	.028	.198	.098	.028	.188	.095	.027	.179	.092	.027	.170	.088	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.087	.025	.167	.084	.024	.159	.081	.024		
9.0	.176	.085	.024	.172	.084	.023	.164	.081	.023	.156	.078	.022	.149	.076	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.075	.021	.147	.073	.021	.140	.070	.020		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.256	.256	.256	.219	.219	.219	.149	.149	.149	.086	.086	.086	.027	.027	.027	
1.0	.250	.222	.196	.214	.190	.169	.146	.131	.117	.084	.076	.068	.027	.024	.022	
2.0	.242	.198	.161	.208	.171	.139	.142	.118	.097	.082	.069	.057	.026	.022	.019	
3.0	.235	.181	.139	.201	.156	.120	.138	.109	.084	.080	.063	.050	.026	.021	.016	
4.0	.227	.168	.124	.195	.145	.107	.134	.101	.076	.077	.059	.045	.025	.019	.015	
5.0	.219	.158	.113	.188	.137	.099	.130	.096	.070	.075	.056	.041	.024	.018	.014	
6.0	.212	.150	.106	.182	.130	.092	.125	.091	.065	.073	.054	.039	.023	.017	.013	
7.0	.205	.143	.100	.176	.124	.087	.122	.087	.062	.071	.051	.037	.023	.017	.012	
8.0	.198	.138	.096	.170	.119	.084	.118	.084	.059	.069	.049	.035	.022	.016	.012	
9.0	.192	.133	.093	.165	.115	.081	.114	.081	.058	.067	.048	.034	.022	.016	.011	
10.0	.186	.128	.090	.160	.112	.079	.111	.079	.056	.065	.046	.033	.021	.015	.011	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.: AOTOM			SUR.:0.3x1.2			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	11.7	13.1	12.1	13.5	13.9	10.5	11.9	10.9	12.3	12.7
3H	13.9	15.3	14.3	15.6	16.1	11.9	13.3	12.3	13.6	14.1
4H	15.1	16.4	15.5	16.8	17.2	12.5	13.7	12.9	14.1	14.6
6H	16.4	17.6	16.8	18.0	18.5	12.8	14.0	13.3	14.5	14.9
8H	17.1	18.3	17.6	18.7	19.2	12.9	14.1	13.4	14.5	15.0
12H	17.9	19.0	18.4	19.5	20.0	12.9	14.1	13.4	14.5	15.0
4H 2H	12.2	13.5	12.7	13.9	14.4	11.3	12.6	11.7	13.0	13.4
3H	14.7	15.8	15.2	16.3	16.7	13.0	14.1	13.4	14.5	15.0
4H	16.1	17.1	16.6	17.6	18.1	13.7	14.7	14.2	15.2	15.7
6H	17.6	18.5	18.1	19.0	19.6	14.2	15.1	14.7	15.6	16.2
8H	18.4	19.3	18.9	19.8	20.4	14.3	15.2	14.9	15.7	16.3
12H	19.4	20.2	19.9	20.7	21.3	14.4	15.2	15.0	15.8	16.4
8H 4H	16.4	17.2	16.9	17.7	18.3	14.4	15.2	14.9	15.7	16.3
6H	18.2	18.9	18.7	19.4	20.1	15.2	15.9	15.7	16.5	17.1
8H	19.2	19.9	19.8	20.4	21.1	15.5	16.1	16.1	16.7	17.4
12H	20.4	21.0	21.0	21.6	22.2	15.7	16.3	16.3	16.9	17.6
12H 4H	16.4	17.2	16.9	17.7	18.3	14.6	15.4	15.1	15.9	16.5
6H	18.3	18.9	18.8	19.5	20.1	15.5	16.2	16.1	16.8	17.4
8H	19.4	20.0	20.0	20.6	21.2	16.0	16.6	16.6	17.2	17.8
Variations with the observer position at spacings:										
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, 2894 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.7$)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:30 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
 Humidity:65.0%
 Test Distance:9.480m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:

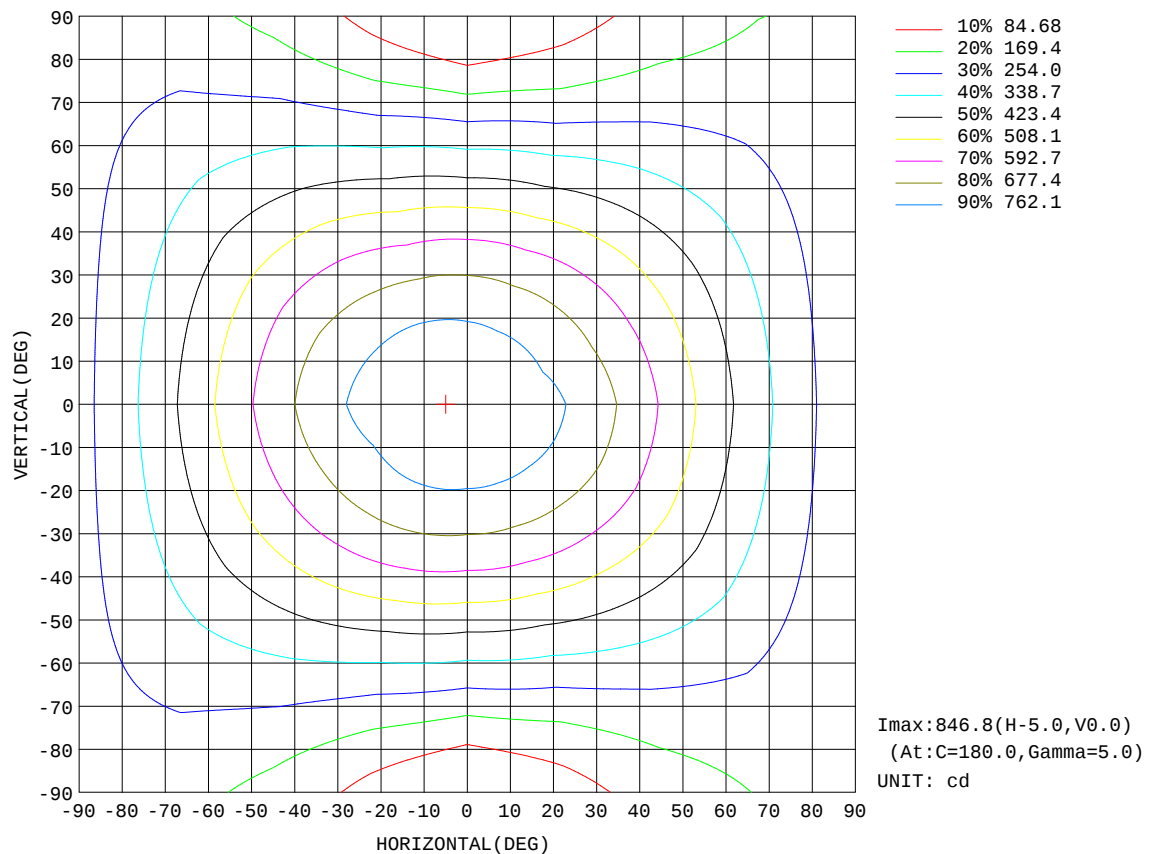
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	40	33	52	40	33	50	39	33	26
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	68	57	49	66	58	49	41
1.25	77	65	57	75	64	57	72	62	55	47
1.50	82	71	63	80	69	62	76	67	61	52
2.00	89	79	71	87	77	70	82	74	68	59
2.50	93	84	77	90	82	75	86	79	73	63
3.00	97	88	82	94	86	80	89	82	77	66
4.00	101	94	88	98	92	86	92	87	83	71
5.00	104	98	92	101	95	90	95	90	86	74
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:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:



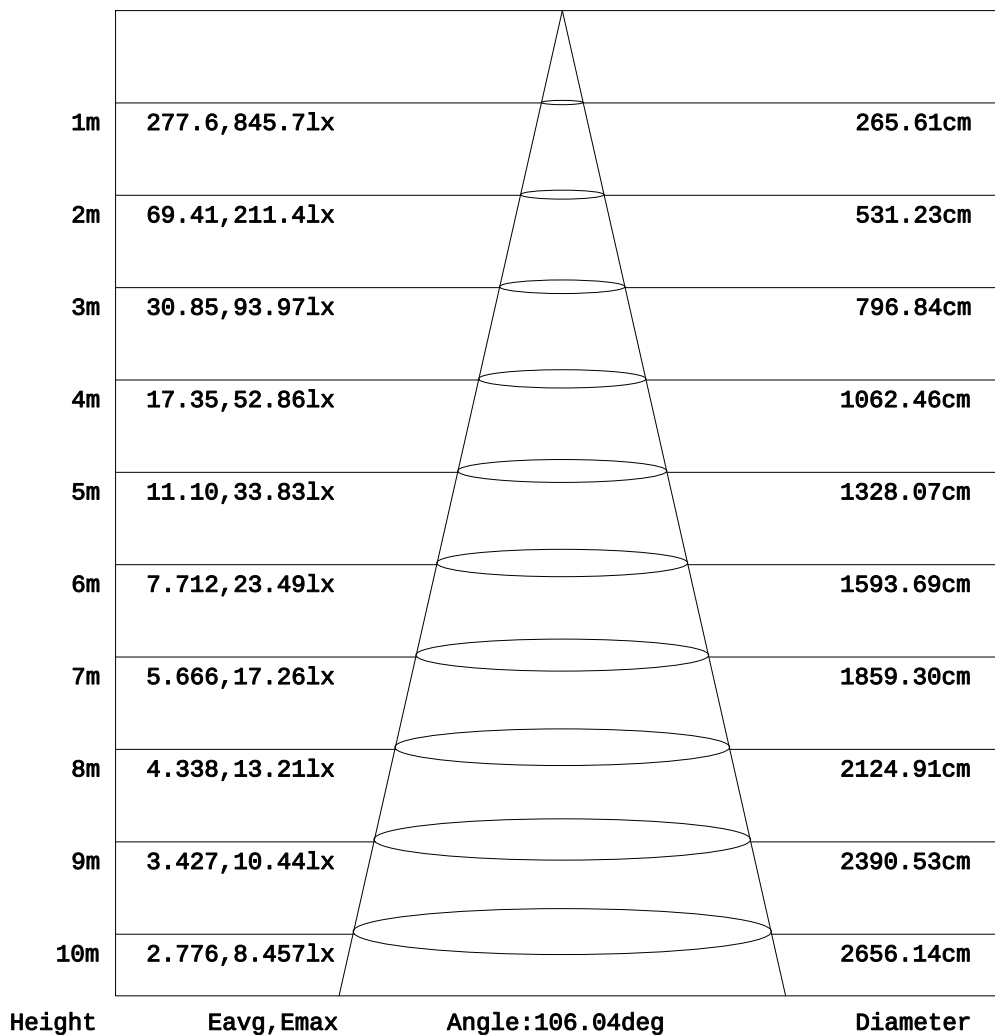
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:

Flux out:1652 lm



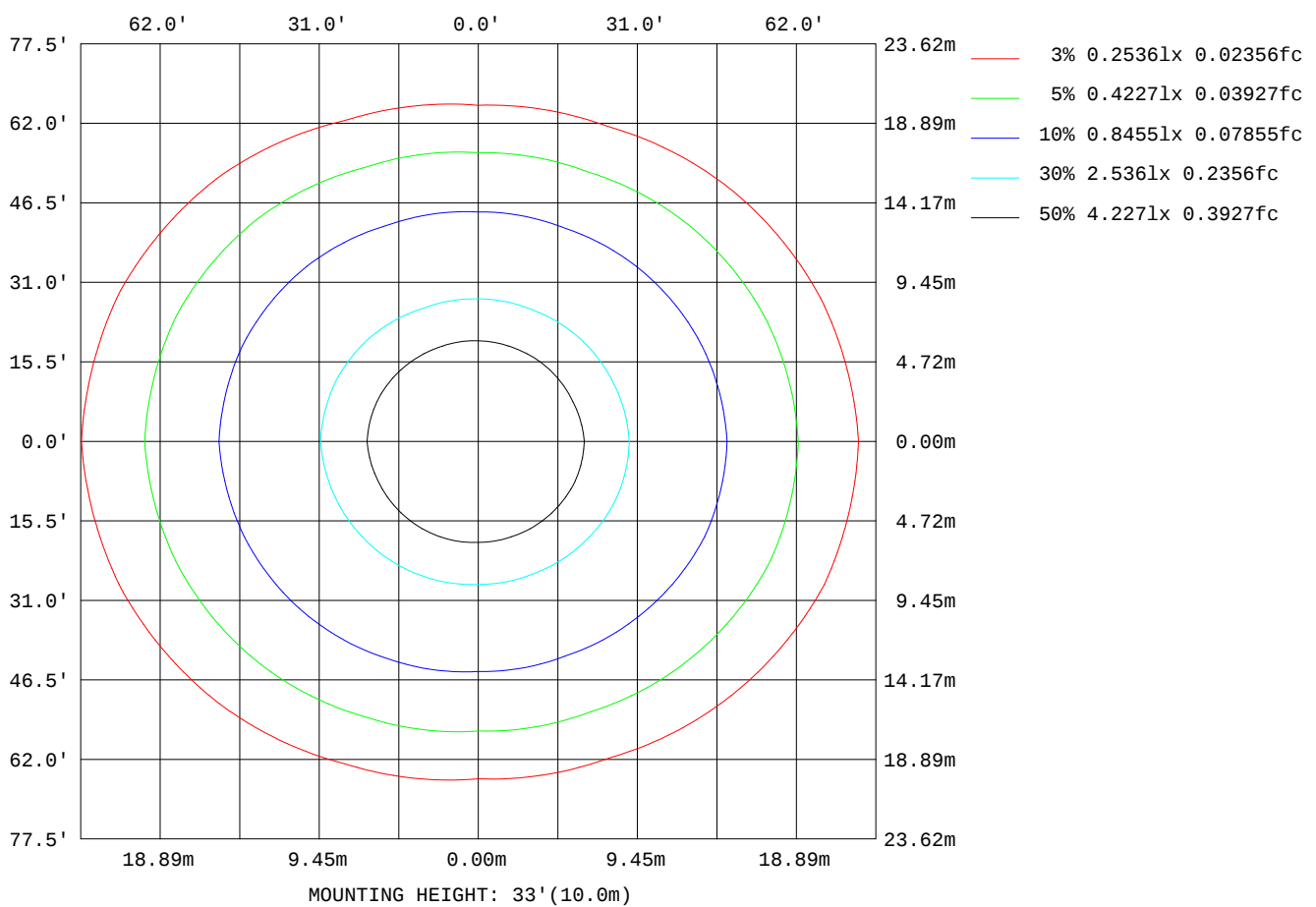
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 30 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.361
 Humidity: 65.0%
 Test Distance: 9.480m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	Shielding Angle:

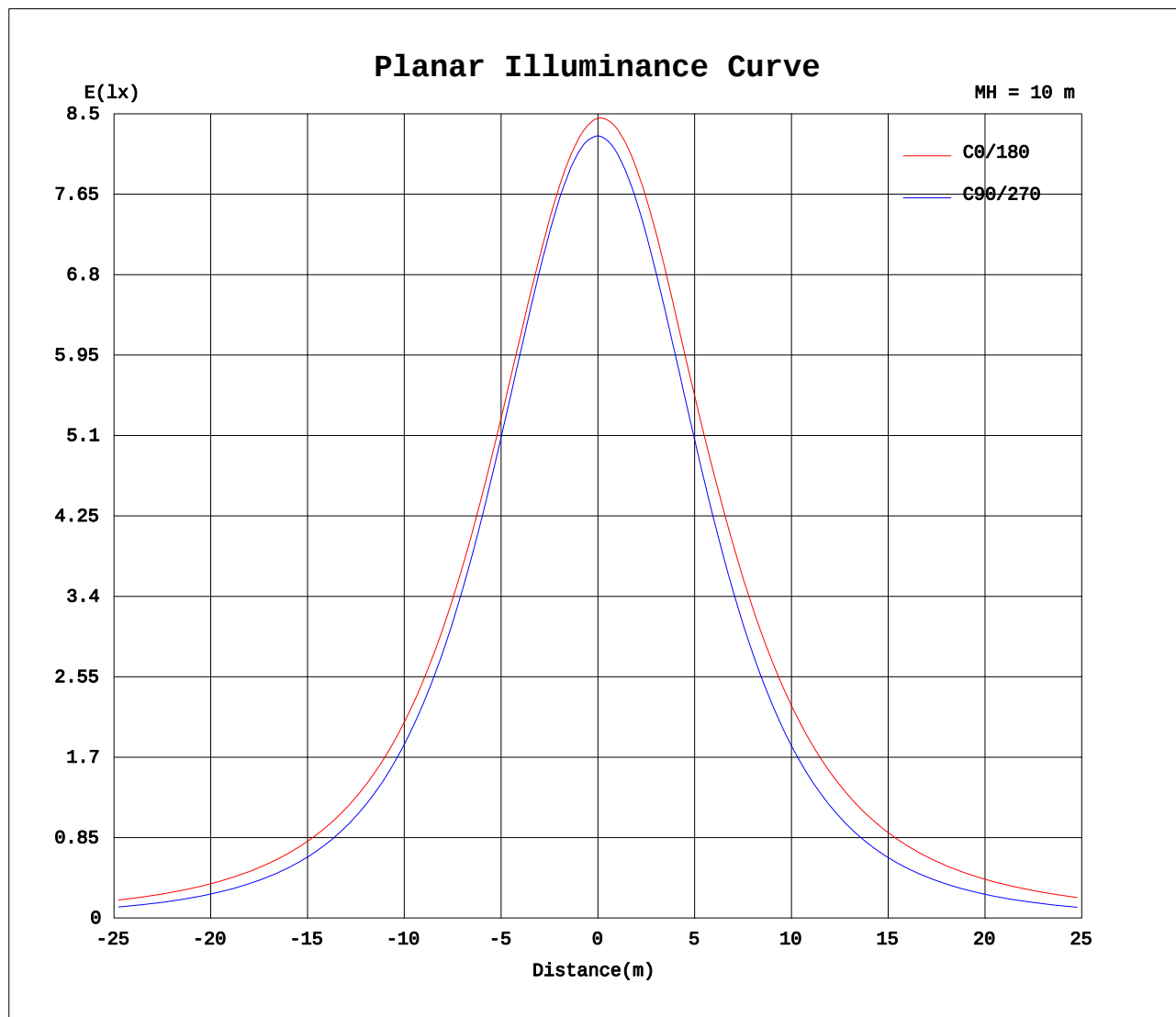
AvgL	cd/m2
L_0~180(65)av	2751
L_0~180(75)av	3505
L_0~180(85)av	7808
L_90~270(65)av	1726
L_90~270(75)av	1404
L_90~270(85)av	690
L_45(65)av	2262
L_45(75)av	2644
L_45(85)av	5248

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:9.480m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 30 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.361
 Humidity: 65.0%
 Test Distance: 9.480m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.0997A P:21.65W PF:0.9850 Freq:49.99Hz Lamp Flux:2893.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: AOTOM	SUR.:0.3x1.2	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	845	838	832	829	827	825	824	822	845	838	832	829	827	825	824	822			
5	838	831	827	824	823	823	823	823	847	838	832	826	822	819	817	815			
10	824	818	812	810	810	812	815	818	842	833	823	814	808	804	802	801			
15	804	798	791	789	788	794	799	804	831	819	807	795	786	781	781	782			
20	779	772	763	759	759	767	775	782	809	795	782	767	756	751	753	756			
25	749	741	729	723	723	733	744	755	780	764	746	731	719	714	719	725			
30	714	705	690	680	680	693	708	724	750	732	707	687	676	671	679	689			
35	675	665	645	632	630	647	666	689	716	697	667	636	627	623	635	649			
40	631	620	597	579	577	596	621	648	677	657	623	583	573	570	587	606			
45	586	573	545	523	519	540	571	603	635	614	575	529	515	514	536	560			
50	538	524	491	464	458	482	520	556	590	567	524	475	455	456	483	511			
55	488	473	437	403	395	422	466	508	542	518	472	417	392	396	429	462			
60	440	424	382	342	331	361	412	460	493	468	418	356	327	335	376	413			
65	393	375	329	281	265	300	359	411	445	418	365	295	261	275	323	365			
70	347	328	279	222	198	240	308	364	397	370	314	237	194	217	274	319			
75	303	284	232	168	133	184	260	319	351	324	265	182	129	163	228	276			
80	262	243	190	120	72.2	134	216	276	307	280	221	134	68.2	116	186	236			
85	224	206	153	80.2	23.3	91.9	176	236	266	240	180	93.0	20.1	76.9	149	200			
90	191	173	121	51.6	0.69	60.2	142	201	228	204	146	62.2	0.60	48.7	118	168			
95	161	144	95.3	32.8	0.56	38.7	113	168	194	171	116	40.5	0.73	30.5	92.7	140			
100	134	118	74.0	21.1	0.67	25.0	88.8	140	163	142	91.2	26.4	0.90	19.0	71.9	115			
105	110	96.0	55.2	13.4	0.80	16.8	69.0	115	136	117	70.9	17.9	1.05	12.2	52.7	93.1			
110	89.7	75.4	40.9	8.82	0.96	11.9	53.1	92.7	111	94.4	54.7	12.7	1.21	8.07	38.6	74.6			
115	71.8	60.6	28.3	6.50	1.13	8.81	40.7	74.0	90.0	75.4	42.1	9.49	1.39	6.02	25.7	58.3			
120	56.7	47.5	20.2	5.08	1.31	6.91	31.1	58.3	71.7	59.4	32.2	7.43	1.57	4.66	18.9	43.6			
125	44.3	34.8	14.9	4.26	1.51	5.68	23.7	45.3	56.2	46.2	24.6	6.13	1.74	4.02	14.0	33.0			
130	34.1	26.5	11.3	3.78	1.70	4.87	18.1	34.7	43.4	35.5	18.8	5.25	1.94	3.60	10.7	24.0			
135	25.9	17.4	8.67	3.40	1.89	4.31	13.8	26.2	32.9	26.8	14.3	4.66	2.16	3.33	8.37	16.1			
140	19.5	12.6	6.93	3.37	2.11	3.83	10.6	19.4	24.3	19.8	11.0	4.19	2.35	3.26	6.63	11.6			
145	14.5	9.26	5.78	3.33	2.31	3.55	8.18	14.2	17.6	14.5	8.53	3.79	2.51	3.23	5.47	8.62			
150	10.4	7.39	4.93	3.27	2.51	3.42	6.44	10.3	12.6	10.6	6.74	3.64	2.67	3.23	4.84	7.00			
155	7.92	5.84	4.41	3.28	2.67	3.36	5.17	7.54	8.94	7.72	5.42	3.54	2.79	3.25	4.28	5.53			
160	6.00	4.66	4.01	3.28	2.83	3.34	4.32	5.61	6.47	5.75	4.46	3.48	2.91	3.25	3.91	4.42			
165	4.69	3.90	3.69	3.35	2.95	3.34	3.84	4.36	4.75	4.48	3.96	3.44	3.02	3.32	3.64	3.77			
170	3.58	3.57	3.52	3.44	3.07	3.33	3.57	3.73	3.60	3.82	3.66	3.40	3.10	3.41	3.46	3.49			
175	3.30	3.53	3.51	3.46	3.14	3.20	3.26	3.43	3.27	3.48	3.39	3.25	3.14	3.40	3.44	3.44			
180	3.06	3.23	3.20	3.20	3.16	3.16	3.15	3.13	3.09	3.19	3.23	3.18	3.17	3.15	3.15	3.12			

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