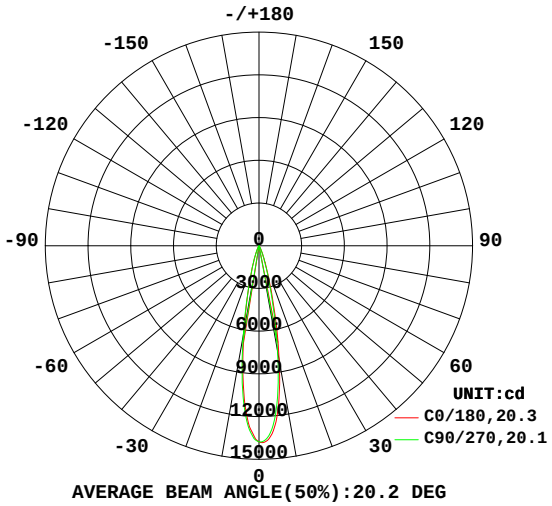
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

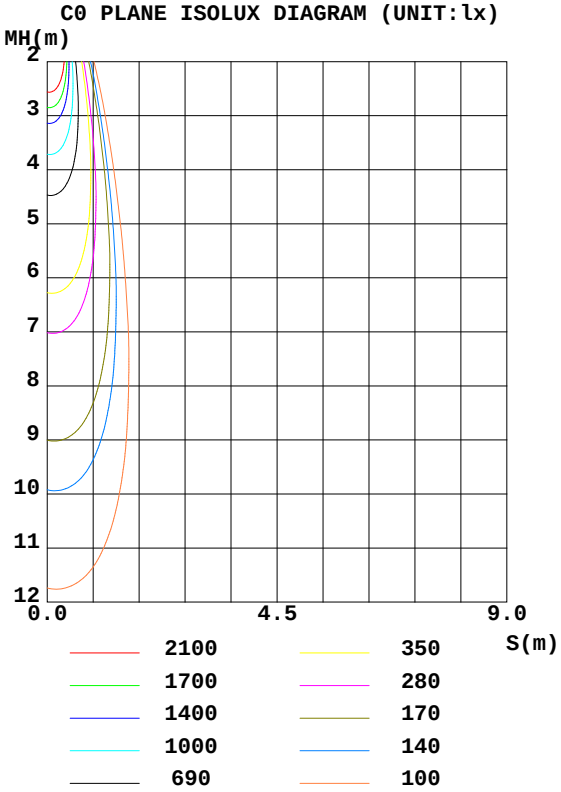
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 78.66 lm/W	
MODEL		Imax(cd)	13851	S/MH(C0/180)	0.32
NOMINAL POWER(W)	28	LOR(%)	92.6	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2172.4	η UP,DN(C0-180)	1.1,48.3
NOMINAL FLUX(lm)	2346.62	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,42.0
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	90.3	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):20.2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [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	818.0	817.1	753.0	672.9	605.3	587.7	636.2	732.0	0- 10	978.5	978.5	45,41.7
20	126.3	125.5	113.7	103.5	93.80	89.67	95.50	111.0	10- 20	838.0	1816	83.6,77.4
30	20.23	20.51	18.66	16.59	15.27	15.24	16.49	18.46	20- 30	213.4	2030	93.4,86.5
40	4.023	4.066	3.834	3.584	3.367	3.348	3.598	3.812	30- 40	49.41	2079	95.7,88.6
50	1.732	1.748	1.712	1.641	1.561	1.511	1.595	1.678	40- 50	19.00	2098	96.6,89.4
60	0.8610	0.8587	0.8532	0.8242	0.7850	0.7512	0.7905	0.8395	50- 60	10.51	2109	97.1,89.9
70	0.4413	0.4364	0.4337	0.4181	0.3899	0.3717	0.3886	0.4194	60- 70	5.886	2115	97.3,90.1
80	0.2008	0.1978	0.1927	0.1787	0.1612	0.1523	0.1622	0.1803	70- 80	3.012	2118	97.5,90.2
90	0.0527	0.0530	0.0474	0.0439	0.0448	0.0427	0.0438	0.0411	80- 90	1.124	2119	97.5,90.3
100	0.0516	0.0504	0.0515	0.0510	0.0583	0.0564	0.0570	0.0547	90-100	0.5268	2119	97.6,90.3
110	0.0625	0.0619	0.0632	0.0629	0.0698	0.0692	0.0690	0.0671	100-110	0.6238	2120	97.6,90.3
120	0.1149	0.1126	0.1168	0.1259	0.1399	0.1385	0.1310	0.1231	110-120	0.8515	2121	97.6,90.4
130	0.4378	0.4263	0.4498	0.5089	0.5993	0.5953	0.5505	0.4971	120-130	2.344	2123	97.7,90.5
140	1.541	1.530	1.603	1.717	1.876	1.878	1.800	1.687	130-140	7.938	2131	98.1,90.8
150	2.900	2.897	2.943	3.006	3.094	3.101	3.061	2.982	140-150	14.92	2146	98.8,91.5
160	3.388	3.396	3.456	3.451	3.479	3.479	3.497	3.404	150-160	15.20	2161	99.5,92.1
170	2.622	2.633	2.689	2.616	2.591	2.591	2.659	2.570	160-170	9.084	2170	99.9,92.5
180	1.798	1.801	1.727	1.780	1.798	1.800	1.725	1.779	170-180	2.114	2172	100,92.6
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

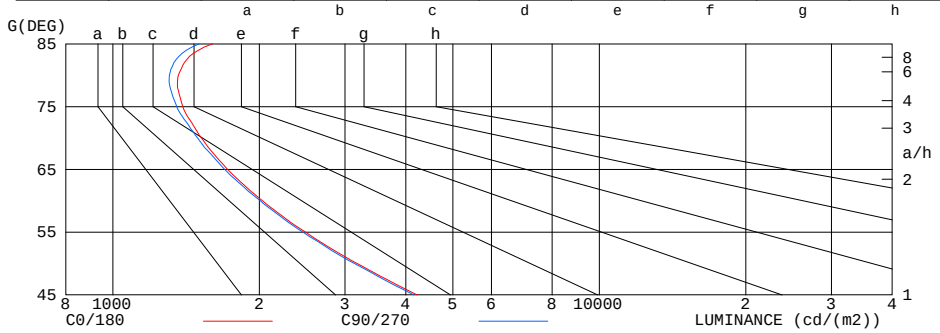
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: vM090	**TYPE:**	**WEIGHT:1**
SPEC.:BR 3000K 28W 90CRI 15D	**DIM.:**	**SERIAL No.:**
MFR.:	**SUR.:**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1602	1504
80	1363	1306
75	1392	1353
70	1521	1493
65	1721	1697
60	2030	2009
55	2488	2458
50	3175	3135
45	4220	4159

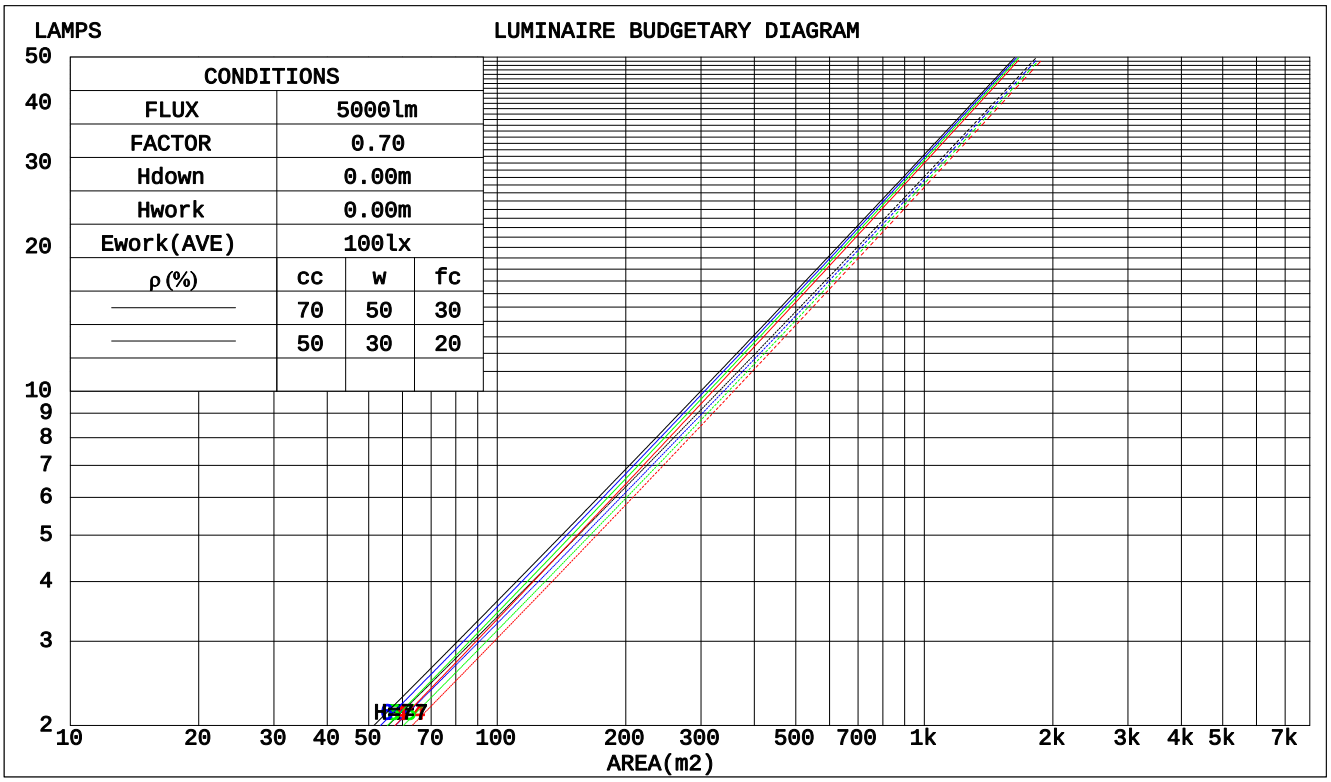
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	.97	.97	.97	.92	.92	.92	.90
1.0	1.04	1.02	1.01	1.02	1.00	.99	.98	.97	.96	.94	.93	.92	.91	.90	.89	.88
2.0	.00	.97	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.89	.88	.87	.85
3.0	.96	.92	.90	.94	.91	.89	.92	.89	.87	.89	.87	.86	.87	.85	.84	.83
4.0	.92	.89	.86	.91	.88	.85	.89	.86	.84	.87	.85	.83	.85	.83	.82	.81
5.0	.89	.86	.83	.88	.85	.82	.87	.84	.82	.85	.83	.81	.83	.81	.80	.79
6.0	.86	.83	.80	.86	.82	.80	.84	.81	.79	.83	.80	.79	.82	.80	.78	.77
7.0	.84	.80	.78	.83	.80	.78	.82	.79	.77	.81	.79	.77	.80	.78	.76	.75
8.0	.82	.78	.76	.81	.78	.76	.80	.77	.75	.79	.77	.75	.78	.76	.74	.74
9.0	.80	.76	.74	.79	.76	.74	.79	.76	.74	.78	.75	.73	.77	.75	.73	.72
10.0	.78	.75	.72	.78	.74	.72	.77	.74	.72	.76	.74	.72	.76	.73	.71	.71



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.123	.070	.022	.116	.066	.021	.104	.060	.019	.092	.053	.017	.081	.047	.015	
2.0	.113	.062	.019	.108	.059	.018	.097	.054	.017	.087	.049	.015	.078	.044	.014	
3.0	.105	.056	.017	.100	.054	.016	.091	.049	.015	.083	.045	.014	.075	.042	.013	
4.0	.098	.051	.015	.093	.049	.014	.086	.046	.014	.079	.042	.013	.072	.039	.012	
5.0	.091	.047	.013	.088	.045	.013	.081	.042	.012	.075	.040	.012	.069	.037	.011	
6.0	.086	.043	.012	.083	.042	.012	.077	.040	.012	.072	.037	.011	.067	.035	.010	
7.0	.081	.040	.011	.078	.039	.011	.073	.037	.011	.069	.035	.010	.064	.033	.010	
8.0	.077	.038	.011	.075	.037	.010	.070	.035	.010	.066	.033	.010	.062	.032	.009	
9.0	.073	.035	.010	.071	.035	.010	.067	.033	.009	.063	.032	.009	.060	.030	.009	
10.0	.070	.033	.009	.068	.033	.009	.064	.032	.009	.061	.030	.009	.058	.029	.008	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.173	.164	.155	.148	.140	.133	.101	.097	.092	.058	.056	.054	.019	.018	.017	
2.0	.156	.141	.127	.134	.121	.110	.092	.084	.077	.053	.049	.045	.017	.016	.015	
3.0	.142	.123	.107	.122	.106	.093	.084	.073	.065	.048	.043	.038	.016	.014	.013	
4.0	.130	.108	.092	.112	.094	.080	.077	.065	.056	.044	.038	.033	.014	.012	.011	
5.0	.120	.097	.080	.103	.084	.069	.071	.059	.049	.041	.034	.029	.013	.011	.010	
6.0	.112	.088	.070	.096	.076	.061	.066	.053	.043	.038	.031	.026	.012	.010	.009	
7.0	.104	.080	.063	.090	.069	.055	.062	.049	.039	.036	.029	.023	.012	.009	.008	
8.0	.098	.074	.057	.085	.064	.049	.059	.045	.035	.034	.026	.021	.011	.009	.007	
9.0	.093	.068	.052	.080	.059	.045	.055	.042	.032	.032	.025	.019	.010	.008	.006	
10.0	.088	.064	.048	.076	.055	.042	.053	.039	.030	.031	.023	.018	.010	.008	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	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	4.0	4.6	4.3	4.8	5.0	3.7	4.3	4.0	4.5	4.7
	3H	4.3	4.9	4.6	5.1	5.3	4.1	4.6	4.3	4.8	5.1
	4H	4.5	5.0	4.8	5.3	5.5	4.2	4.7	4.5	5.0	5.2
	6H	4.6	5.1	4.9	5.4	5.6	4.3	4.8	4.6	5.1	5.4
	8H	4.6	5.1	5.0	5.4	5.7	4.4	4.9	4.7	5.1	5.4
	12H	4.7	5.2	5.0	5.5	5.8	4.4	4.9	4.8	5.2	5.5
4H	2H	4.1	4.6	4.4	4.9	5.1	3.8	4.3	4.1	4.6	4.8
	3H	4.5	5.0	4.8	5.3	5.6	4.2	4.7	4.6	5.0	5.3
	4H	4.7	5.1	5.1	5.5	5.8	4.5	4.9	4.8	5.2	5.6
	6H	4.9	5.3	5.3	5.7	6.1	4.7	5.1	5.1	5.4	5.8
	8H	5.0	5.4	5.4	5.8	6.2	4.8	5.1	5.2	5.5	5.9
	12H	5.1	5.4	5.5	5.8	6.3	4.9	5.2	5.3	5.6	6.0
8H	4H	4.7	5.1	5.1	5.5	5.9	4.5	4.8	4.9	5.2	5.6
	6H	5.0	5.3	5.5	5.8	6.2	4.8	5.1	5.3	5.5	6.0
	8H	5.2	5.4	5.7	5.9	6.4	4.9	5.2	5.4	5.7	6.2
	12H	5.3	5.6	5.9	6.1	6.6	5.1	5.3	5.6	5.8	6.3
12H	4H	4.7	5.0	5.1	5.4	5.9	4.5	4.8	4.9	5.2	5.6
	6H	5.0	5.3	5.5	5.7	6.2	4.8	5.1	5.3	5.5	6.0
	8H	5.2	5.4	5.7	5.9	6.4	5.0	5.2	5.5	5.7	6.2

Variations with the observer position at spacings:		
S = 1.0H	+ 1.0 / - 1.2	+ 0.9 / - 1.2
1.5H	+ 1.8 / - 0.9	+ 1.6 / - 0.9
2.0H	+ 1.5 / - 0.9	+ 1.5 / - 0.9

CIE Pub.117, 2347 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

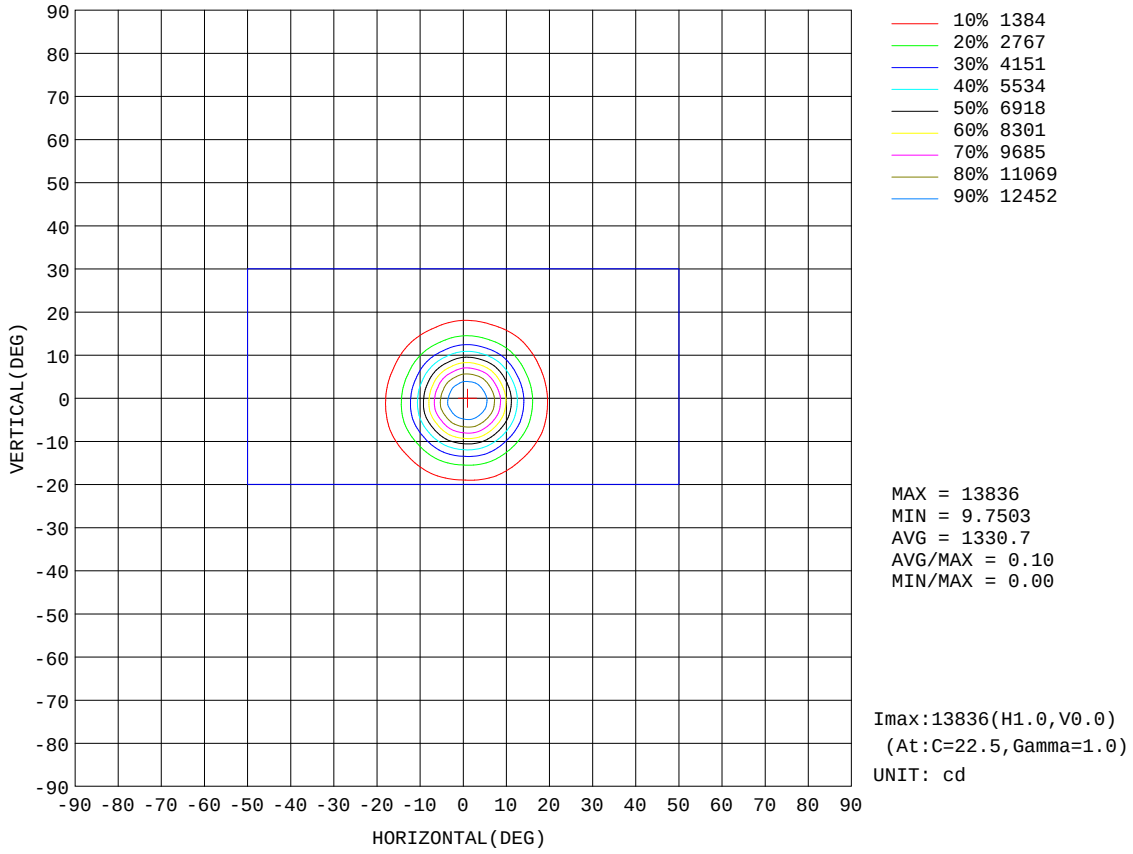
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	82	77	74	82	77	74	81	76	73	70
0.80	89	84	81	88	83	80	87	83	80	77
1.00	93	88	85	92	87	84	90	87	84	80
1.25	96	91	88	95	91	88	93	89	87	83
1.50	98	94	91	97	93	91	95	92	89	85
2.00	100	97	94	99	96	93	96	94	91	86
2.50	102	99	96	100	97	95	97	95	93	87
3.00	103	100	98	101	99	97	98	96	94	88
4.00	105	103	101	103	101	99	99	98	96	89
5.00	106	104	103	104	102	101	100	99	98	90
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: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



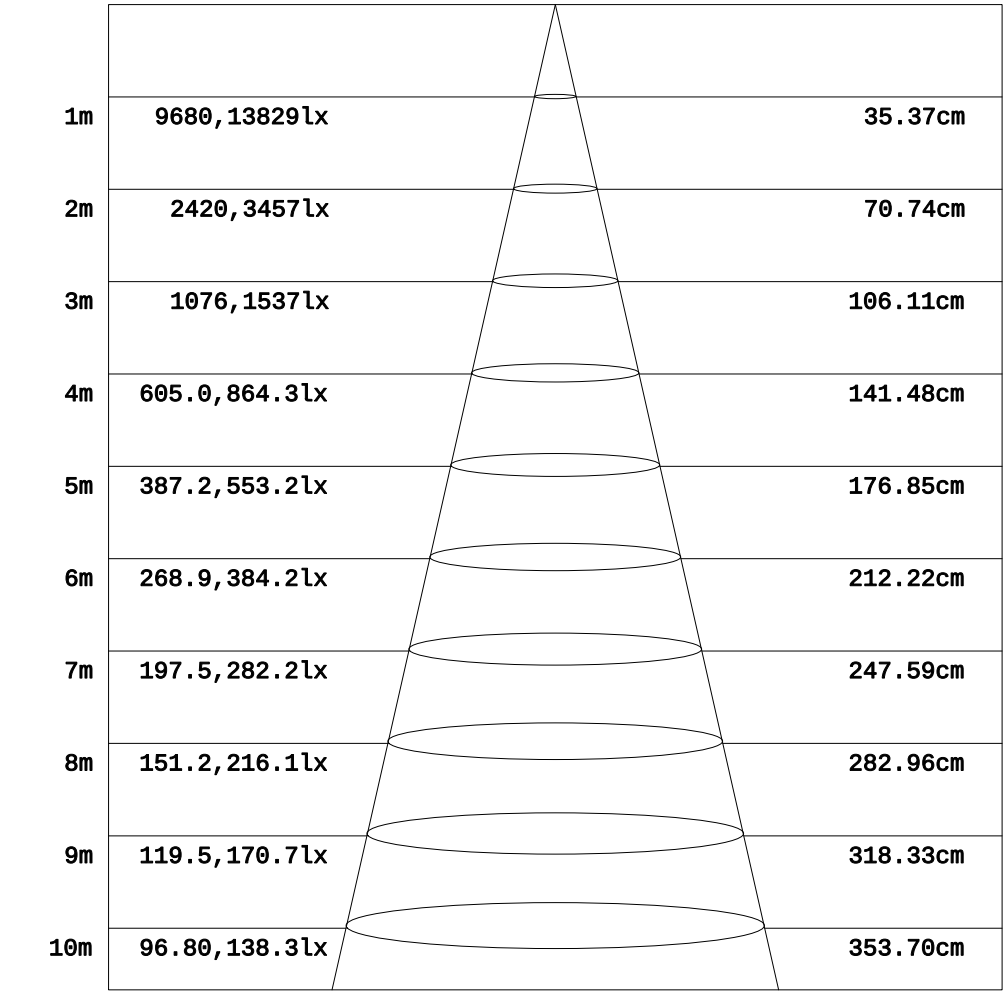
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

AAI Figure

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1045 lm



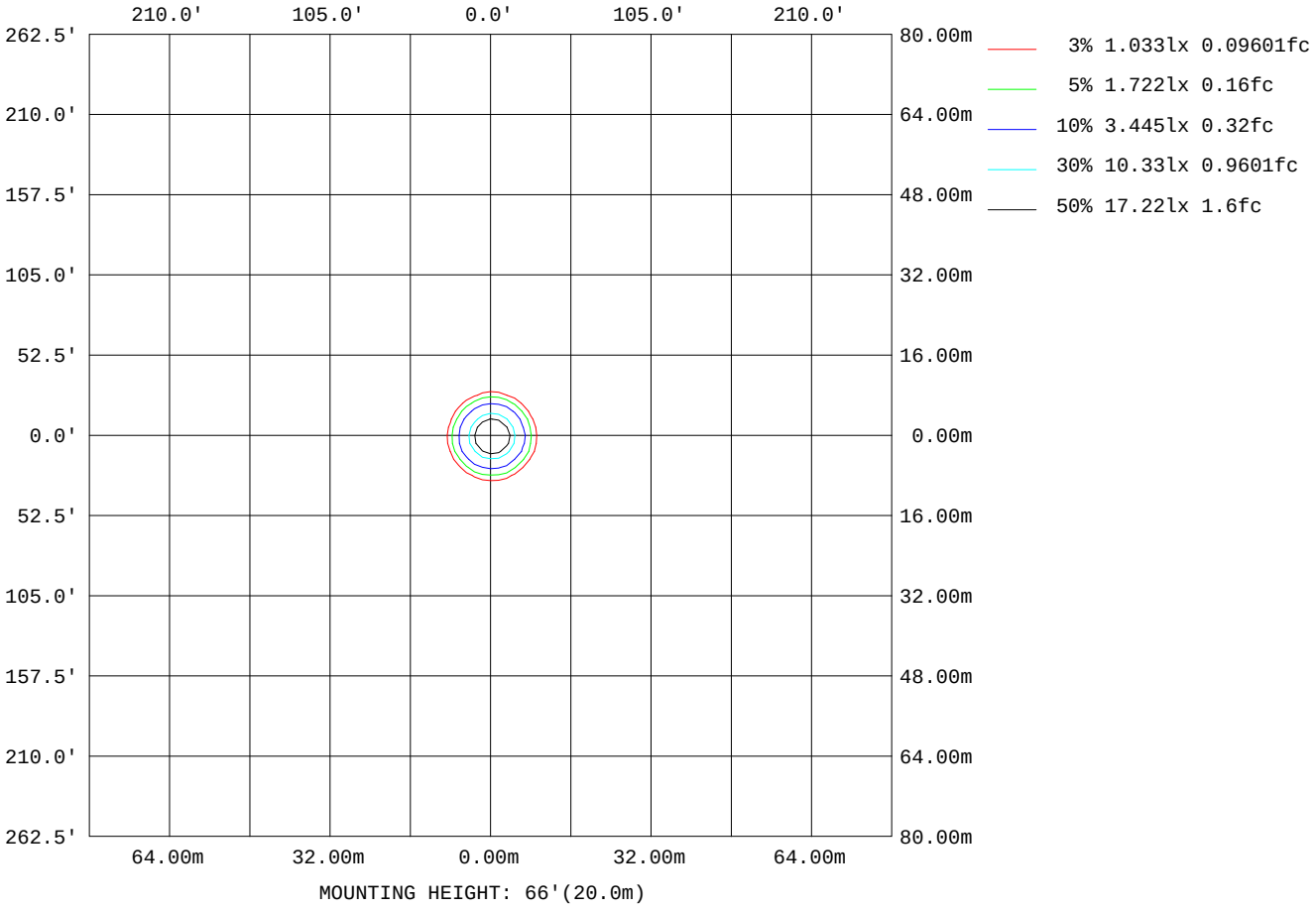
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

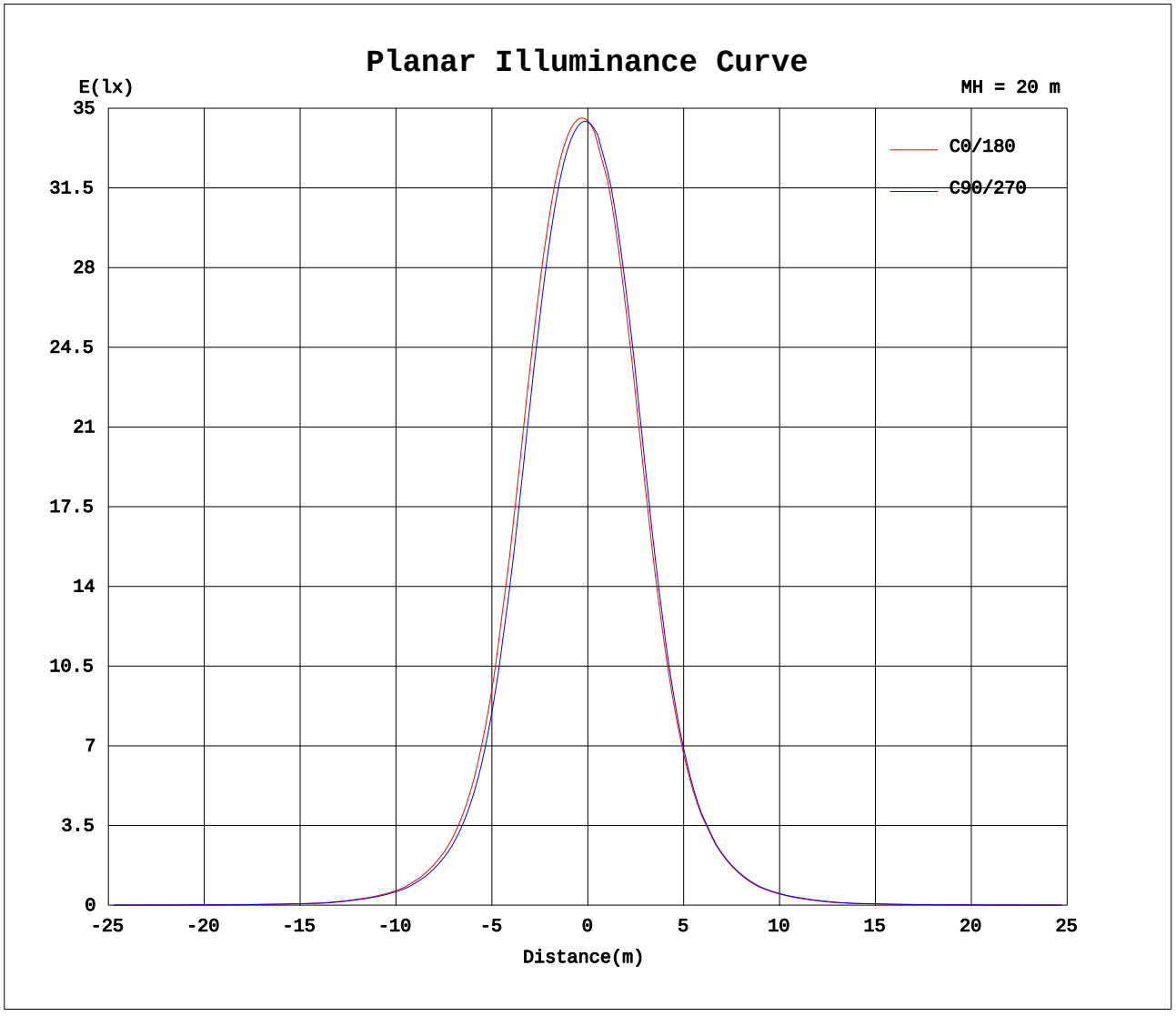
AvgL	cd/m2
L_0~180(65)av	1638
L_0~180(75)av	1291
L_0~180(85)av	1386
L_90~270(65)av	1628
L_90~270(75)av	1272
L_90~270(85)av	1338
L_45(65)av	1626
L_45(75)av	1273
L_45(85)av	1338

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:cjy
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
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Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1 UNIT: ×10cd

γ (DEG) \ C(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	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377			
5	1274	1288	1275	1266	1234	1212	1175	1160	1126	1110	1120	1126	1159	1182	1222	1240			
10	818	842	817	803	753	724	673	651	605	588	588	594	636	671	732	761			
15	344	359	341	337	307	297	272	265	241	225	229	227	249	263	299	312			
20	126	135	125	124	114	111	104	102	93.8	88.1	89.7	88.8	95.5	99.4	111	115			
25	49.0	50.4	49.1	47.6	43.8	42.6	39.5	39.1	36.2	34.5	35.2	35.2	37.6	39.0	43.1	44.4			
30	20.2	21.2	20.5	20.3	18.7	18.1	16.6	16.4	15.3	14.6	15.2	15.3	16.5	17.0	18.5	18.8			
35	7.34	7.66	7.37	7.25	6.87	6.64	6.40	6.27	6.02	5.88	6.03	6.18	6.41	6.61	6.82	6.92			
40	4.02	4.17	4.07	4.04	3.83	3.77	3.58	3.55	3.37	3.27	3.35	3.42	3.60	3.65	3.81	3.88			
45	2.53	2.60	2.56	2.56	2.50	2.47	2.38	2.36	2.27	2.20	2.21	2.25	2.34	2.37	2.44	2.44			
50	1.73	1.78	1.75	1.75	1.71	1.69	1.64	1.62	1.56	1.51	1.51	1.53	1.60	1.63	1.68	1.68			
55	1.21	1.23	1.21	1.22	1.20	1.19	1.15	1.14	1.10	1.06	1.06	1.07	1.12	1.14	1.18	1.18			
60	0.86	0.87	0.86	0.86	0.85	0.85	0.82	0.82	0.78	0.75	0.75	0.76	0.79	0.81	0.84	0.84			
65	0.62	0.63	0.61	0.62	0.61	0.61	0.59	0.58	0.56	0.54	0.53	0.54	0.56	0.57	0.60	0.60			
70	0.44	0.44	0.44	0.44	0.43	0.43	0.42	0.41	0.39	0.37	0.37	0.37	0.39	0.40	0.42	0.43			
75	0.31	0.31	0.30	0.31	0.30	0.30	0.28	0.28	0.26	0.25	0.25	0.25	0.26	0.27	0.29	0.29			
80	0.20	0.20	0.20	0.20	0.19	0.19	0.18	0.18	0.16	0.15	0.15	0.15	0.16	0.17	0.18	0.19			
85	0.12	0.12	0.12	0.12	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.10			
90	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
95	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.05	0.05			
105	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
110	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06			
115	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08			
120	0.11	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.13	0.13	0.12	0.12			
125	0.21	0.20	0.21	0.20	0.22	0.22	0.24	0.25	0.28	0.29	0.28	0.27	0.26	0.25	0.23	0.23			
130	0.44	0.41	0.43	0.42	0.45	0.47	0.51	0.52	0.60	0.61	0.60	0.59	0.55	0.53	0.50	0.49			
135	0.89	0.85	0.87	0.87	0.92	0.95	1.02	1.04	1.16	1.19	1.16	1.16	1.09	1.06	1.00	0.98			
140	1.54	1.51	1.53	1.54	1.60	1.64	1.72	1.75	1.88	1.91	1.88	1.89	1.80	1.76	1.69	1.66			
145	2.28	2.25	2.27	2.28	2.34	2.37	2.44	2.47	2.58	2.61	2.58	2.59	2.52	2.48	2.41	2.38			
150	2.90	2.87	2.90	2.90	2.94	2.96	3.01	3.02	3.09	3.11	3.10	3.10	3.06	3.03	2.98	2.96			
155	3.27	3.26	3.27	3.28	3.31	3.32	3.34	3.34	3.39	3.41	3.40	3.40	3.38	3.36	3.32	3.30			
160	3.39	3.38	3.40	3.43	3.46	3.46	3.45	3.44	3.48	3.48	3.48	3.50	3.50	3.46	3.40	3.39			
165	3.20	3.19	3.19	3.28	3.32	3.30	3.21	3.21	3.24	3.21	3.22	3.27	3.30	3.23	3.15	3.14			
170	2.62	2.64	2.63	2.68	2.69	2.67	2.62	2.61	2.59	2.60	2.59	2.61	2.66	2.60	2.57	2.55			
175	2.02	2.05	2.08	2.06	2.01	2.03	2.04	1.99	2.00	2.00	2.00	1.95	1.94	1.98	1.99	1.95			
180	1.80	1.80	1.80	1.72	1.73	1.71	1.78	1.72	1.80	1.80	1.80	1.72	1.72	1.71	1.78	1.72			

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