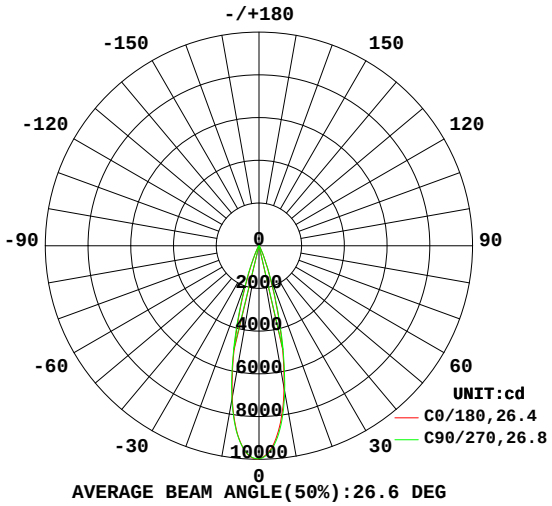
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

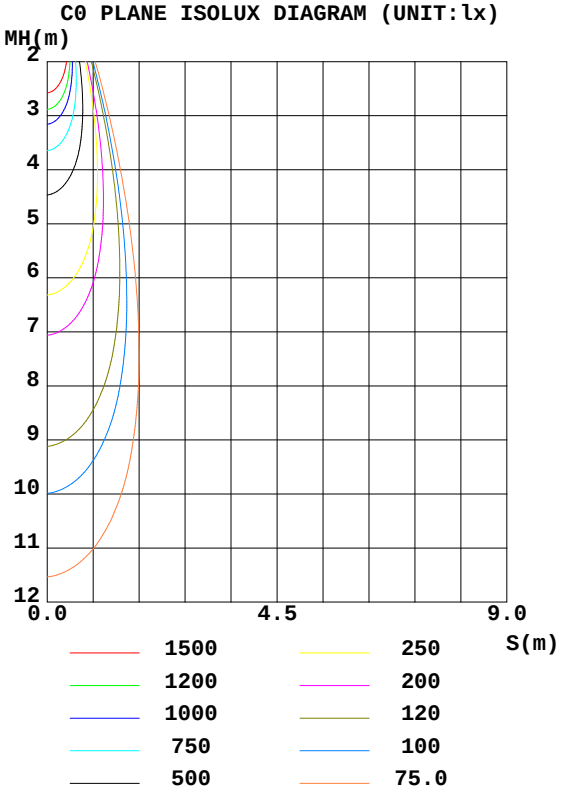
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 82.23 lm/W	
MODEL		Imax(cd)	9983	S/MH(C0/180)	0.44
NOMINAL POWER(W)	28	LOR(%)	93.4	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2273.8	η UP,DN(C0-180)	1.2,44.7
NOMINAL FLUX(lm)	2435.08	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,46.4
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	91.1	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):26.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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:

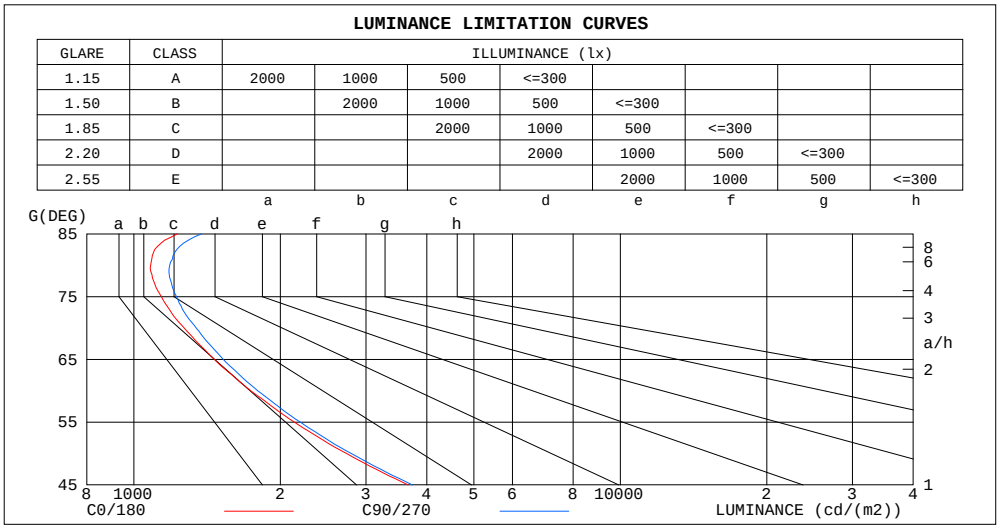
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6767	6755	6927	7156	7213	7337	7310	7019	0- 10	813.4	813.4	35.8,33.4
20	1352	1346	1439	1504	1575	1697	1696	1516	10- 20	1061	1875	82.5,77
30	151.3	150.1	162.5	171.3	177.0	189.6	183.5	162.7	20- 30	255.5	2130	93.7,87.5
40	33.42	32.93	34.36	37.55	38.97	40.19	37.66	34.01	30- 40	49.70	2180	95.9,89.5
50	14.91	14.96	15.26	15.93	16.39	16.44	15.93	14.85	40- 50	18.15	2198	96.7,90.3
60	7.371	7.492	7.624	7.863	8.158	8.246	7.987	7.368	50- 60	9.935	2208	97.1,90.7
70	3.682	3.785	3.899	4.000	4.100	4.143	3.995	3.663	60- 70	5.572	2214	97.4,90.9
80	1.595	1.642	1.747	1.802	1.799	1.784	1.716	1.548	70- 80	2.859	2216	97.5,91
90	0.4857	0.4857	0.4883	0.4854	0.4414	0.4217	0.4441	0.4290	80- 90	1.094	2218	97.5,91.1
100	0.5529	0.5452	0.5476	0.5283	0.5541	0.5410	0.5612	0.5550	90-100	0.5443	2218	97.6,91.1
110	0.6553	0.6554	0.6556	0.6256	0.6668	0.6580	0.6849	0.6789	100-110	0.6285	2219	97.6,91.1
120	1.397	1.466	1.460	1.325	1.302	1.298	1.369	1.406	110-120	0.8765	2220	97.6,91.2
130	6.298	6.531	6.495	5.954	5.886	5.821	6.040	6.325	120-130	2.831	2222	97.7,91.3
140	17.94	18.21	18.01	17.34	17.30	17.10	17.37	17.91	130-140	8.749	2231	98.1,91.6
150	30.87	30.95	30.75	30.31	30.36	30.10	30.24	30.71	140-150	15.12	2246	98.8,92.2
160	36.03	35.36	34.96	35.16	36.05	35.97	35.89	35.94	150-160	15.69	2262	99.5,92.9
170	28.08	27.20	26.86	27.38	28.84	29.00	28.92	28.60	160-170	9.434	2271	99.9,93.3
180	20.65	21.63	21.20	21.62	20.68	21.65	21.23	21.63	170-180	2.365	2274	100,93.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1229	1378
80	1083	1185
75	1139	1223
70	1269	1343
65	1463	1526
60	1738	1796
55	2137	2197
50	2735	2797
45	3663	3736

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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:

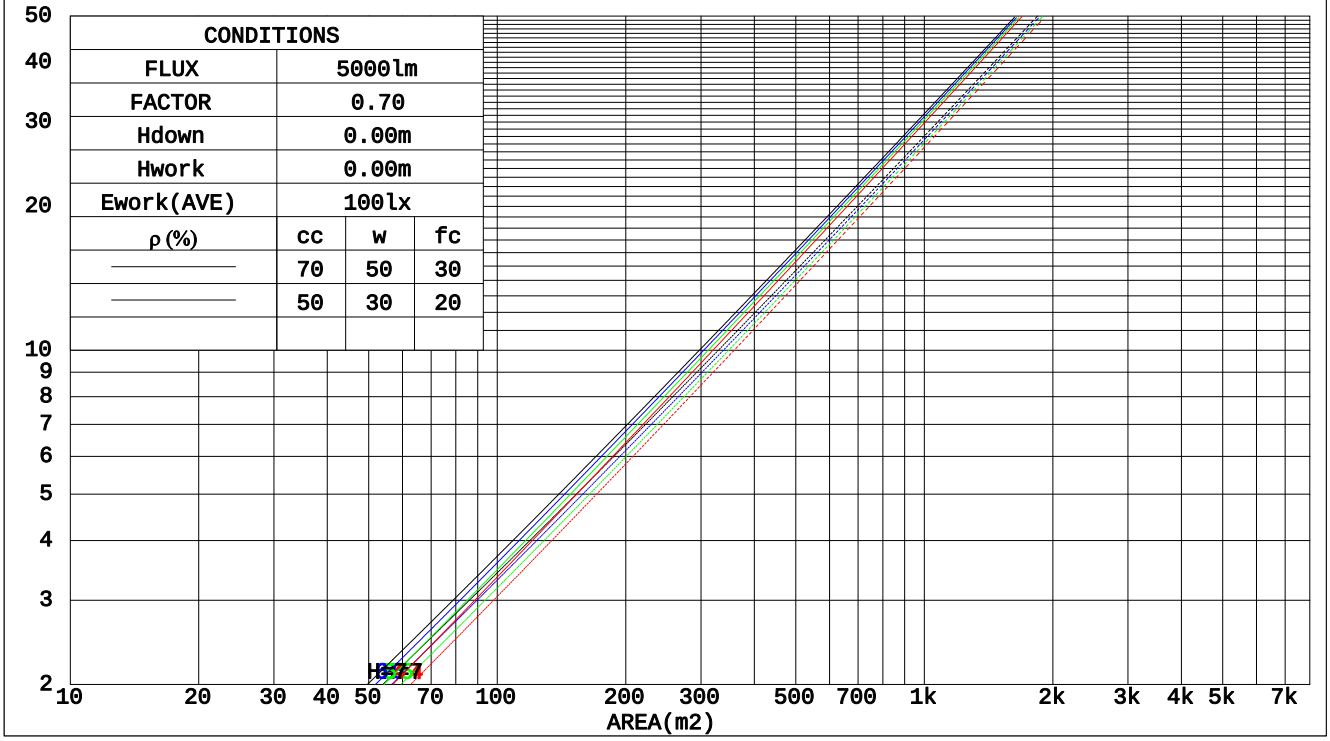
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 24D	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	1.11	1.11	1.11	1.08	1.08	1.08	1.02	1.02	1.02	.98	.98	.98	.93	.93	.93	.91
1.0	1.05	1.03	1.01	1.03	1.01	.00	.98	.97	.96	.95	.94	.93	.91	.90	.90	.88
2.0	.00	.97	.95	.98	.96	.93	.95	.93	.91	.92	.90	.89	.89	.88	.87	.85
3.0	.96	.92	.90	.94	.91	.89	.92	.89	.87	.89	.87	.85	.87	.85	.84	.83
4.0	.92	.88	.85	.91	.87	.85	.89	.86	.84	.87	.84	.82	.85	.83	.81	.80
5.0	.89	.85	.82	.88	.84	.82	.86	.83	.81	.84	.82	.80	.83	.81	.79	.78
6.0	.86	.82	.79	.85	.81	.79	.83	.80	.78	.82	.79	.77	.81	.79	.77	.76
7.0	.83	.79	.76	.82	.79	.76	.81	.78	.76	.80	.77	.75	.79	.76	.75	.74
8.0	.81	.77	.74	.80	.76	.74	.79	.76	.74	.78	.75	.73	.77	.75	.73	.72
9.0	.78	.75	.72	.78	.74	.72	.77	.74	.72	.76	.73	.71	.75	.73	.71	.70
10.0	.76	.73	.70	.76	.72	.70	.75	.72	.70	.74	.71	.69	.74	.71	.69	.68

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	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	.129	.073	.023	.122	.070	.022	.109	.063	.020	.097	.056	.018	.087	.050	.016	
2.0	.119	.065	.020	.113	.062	.019	.103	.057	.018	.093	.052	.016	.083	.047	.015	
3.0	.111	.059	.018	.106	.057	.017	.097	.052	.016	.088	.048	.015	.080	.045	.014	
4.0	.103	.054	.016	.099	.052	.015	.091	.048	.014	.084	.045	.014	.077	.042	.013	
5.0	.097	.049	.014	.093	.048	.014	.087	.045	.013	.081	.042	.013	.075	.040	.012	
6.0	.092	.046	.013	.088	.045	.013	.083	.042	.012	.077	.040	.012	.072	.038	.011	
7.0	.087	.043	.012	.084	.042	.012	.079	.040	.011	.074	.038	.011	.070	.036	.011	
8.0	.083	.040	.011	.080	.039	.011	.076	.038	.011	.071	.036	.010	.067	.035	.010	
9.0	.079	.038	.011	.077	.037	.010	.073	.036	.010	.069	.034	.010	.065	.033	.010	
10.0	.075	.036	.010	.073	.035	.010	.070	.034	.010	.066	.033	.009	.063	.032	.009	

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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.175	.165	.156	.150	.142	.134	.102	.097	.093	.059	.056	.054	.019	.018	.017	
2.0	.158	.142	.128	.136	.122	.111	.093	.084	.077	.054	.049	.045	.017	.016	.015	
3.0	.144	.124	.107	.124	.107	.093	.085	.074	.065	.049	.043	.038	.016	.014	.013	
4.0	.133	.109	.092	.114	.095	.080	.078	.066	.056	.045	.039	.033	.015	.013	.011	
5.0	.123	.098	.080	.105	.085	.069	.073	.059	.049	.042	.035	.029	.014	.011	.010	
6.0	.114	.089	.070	.098	.077	.061	.068	.054	.043	.039	.032	.026	.013	.010	.008	
7.0	.107	.081	.063	.092	.070	.055	.064	.049	.039	.037	.029	.023	.012	.010	.008	
8.0	.101	.075	.057	.087	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
9.0	.096	.070	.052	.083	.060	.045	.057	.042	.032	.033	.025	.019	.011	.008	.006	
10.0	.091	.065	.048	.079	.056	.042	.055	.040	.030	.032	.024	.018	.010	.008	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	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	2.3	2.9	2.5	3.1	3.3	2.4	3.1	2.7	3.3	3.4
	3H	2.6	3.2	2.9	3.4	3.6	2.8	3.4	3.1	3.6	3.8
	4H	2.7	3.3	3.0	3.5	3.8	3.0	3.5	3.2	3.8	4.0
	6H	2.9	3.4	3.2	3.7	3.9	3.1	3.6	3.4	3.9	4.2
	8H	2.9	3.4	3.2	3.7	4.0	3.1	3.7	3.5	3.9	4.2
	12H	2.9	3.4	3.3	3.7	4.0	3.2	3.7	3.5	4.0	4.3
4H	2H	2.3	2.9	2.6	3.1	3.4	2.5	3.1	2.8	3.3	3.6
	3H	2.8	3.3	3.1	3.6	3.9	3.0	3.5	3.3	3.8	4.1
	4H	3.0	3.5	3.4	3.8	4.2	3.2	3.7	3.6	4.0	4.4
	6H	3.2	3.6	3.6	4.0	4.4	3.5	3.9	3.9	4.2	4.6
	8H	3.3	3.7	3.7	4.1	4.5	3.5	3.9	4.0	4.3	4.7
	12H	3.4	3.7	3.8	4.1	4.6	3.6	4.0	4.1	4.4	4.8
8H	4H	3.0	3.4	3.5	3.8	4.2	3.2	3.6	3.7	4.0	4.4
	6H	3.3	3.6	3.8	4.1	4.5	3.6	3.9	4.0	4.3	4.8
	8H	3.5	3.7	4.0	4.2	4.7	3.7	4.0	4.2	4.4	4.9
	12H	3.6	3.8	4.1	4.3	4.8	3.9	4.1	4.4	4.6	5.1
12H	4H	3.0	3.4	3.5	3.8	4.2	3.2	3.6	3.7	4.0	4.4
	6H	3.3	3.6	3.8	4.1	4.5	3.5	3.8	4.0	4.3	4.8
	8H	3.5	3.7	4.0	4.2	4.7	3.7	4.0	4.2	4.5	5.0
Variations with the observer position at spacings:											
S = 1.0H		+ 1.2 / - 1.3					+ 1.2 / - 1.2				
1.5H		+ 2.1 / - 0.9					+ 2.2 / - 0.9				
2.0H		+ 1.5 / - 0.9					+ 1.4 / - 0.9				

CIE Pub.117, 2435 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.1)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

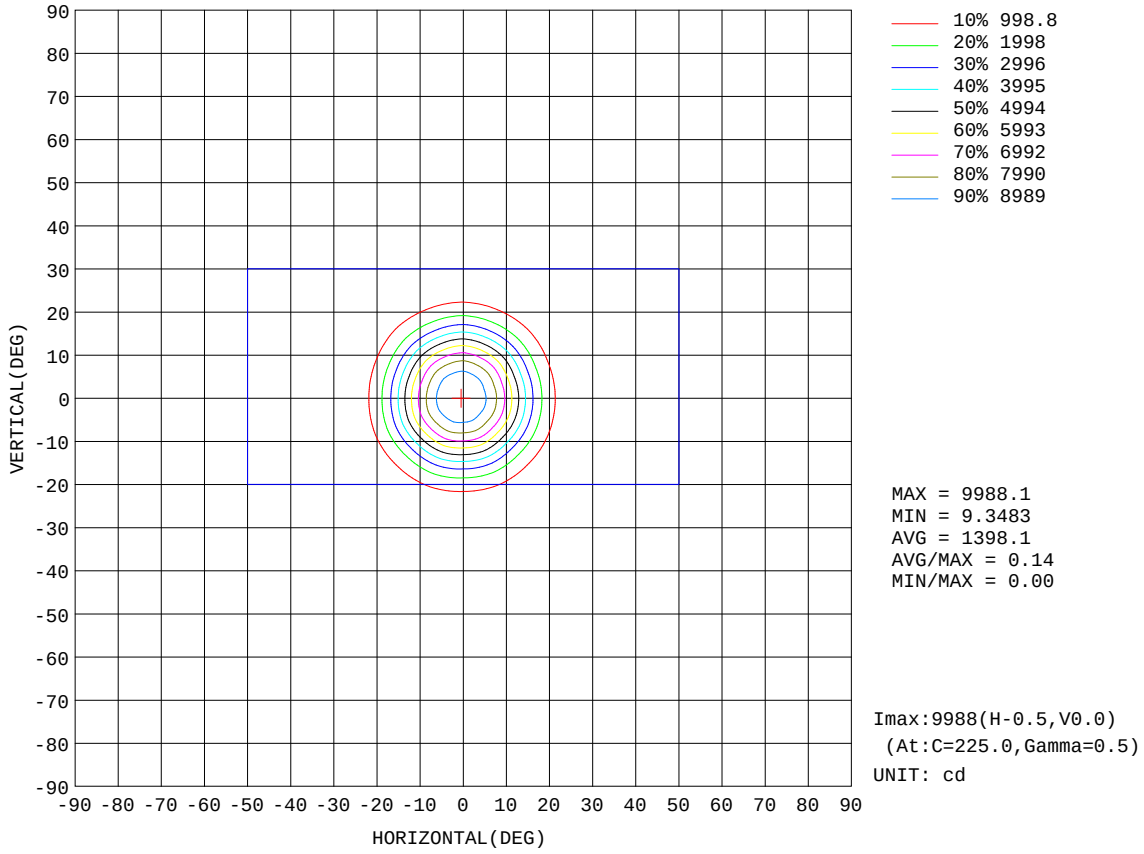
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	83	78	74	83	77	74	82	77	74	71
0.80	90	85	81	89	84	81	88	84	81	77
1.00	93	88	85	92	88	85	91	87	84	81
1.25	97	92	89	96	92	89	94	90	88	84
1.50	99	95	92	98	94	91	96	93	90	86
2.00	101	98	95	100	97	94	97	94	92	87
2.50	103	99	97	101	98	96	98	96	94	88
3.00	104	101	99	102	100	98	99	97	95	89
4.00	106	104	102	104	102	100	100	99	97	90
5.00	107	105	104	105	103	102	101	100	99	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: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



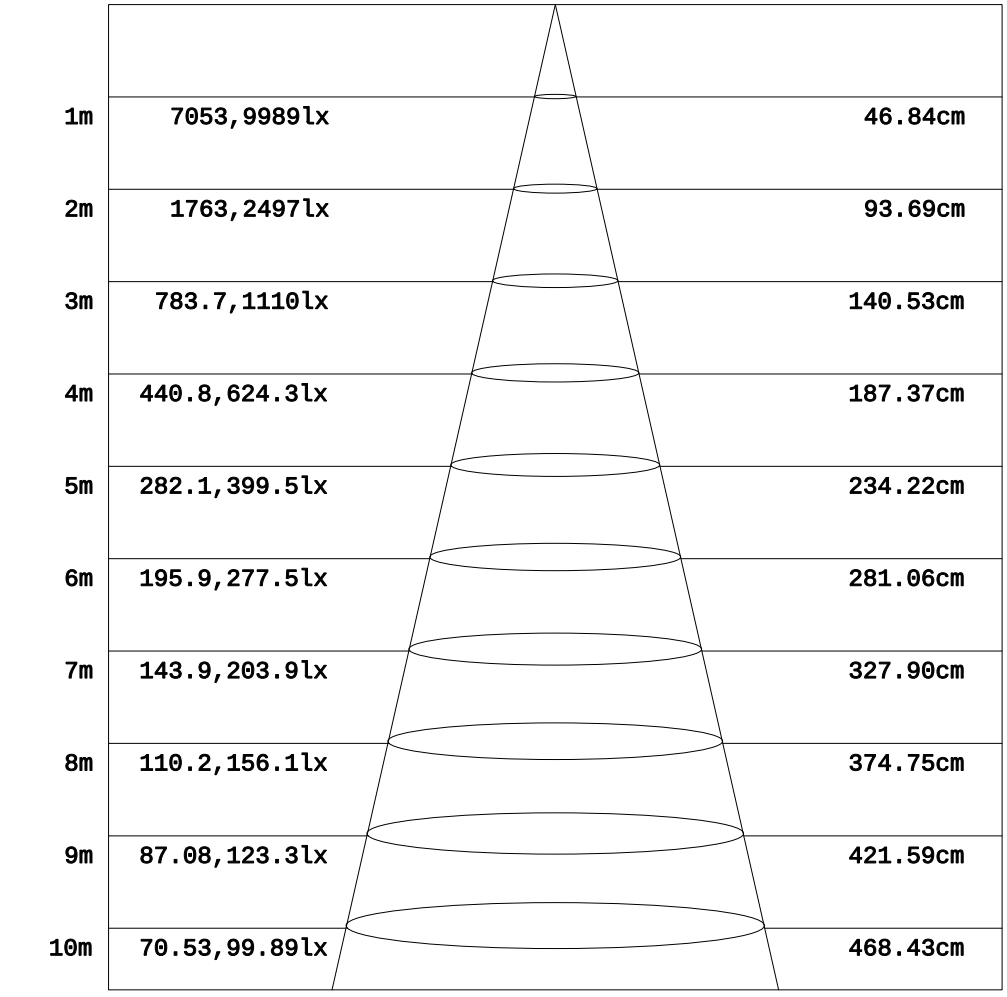
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2020-08-26

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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1277 lm



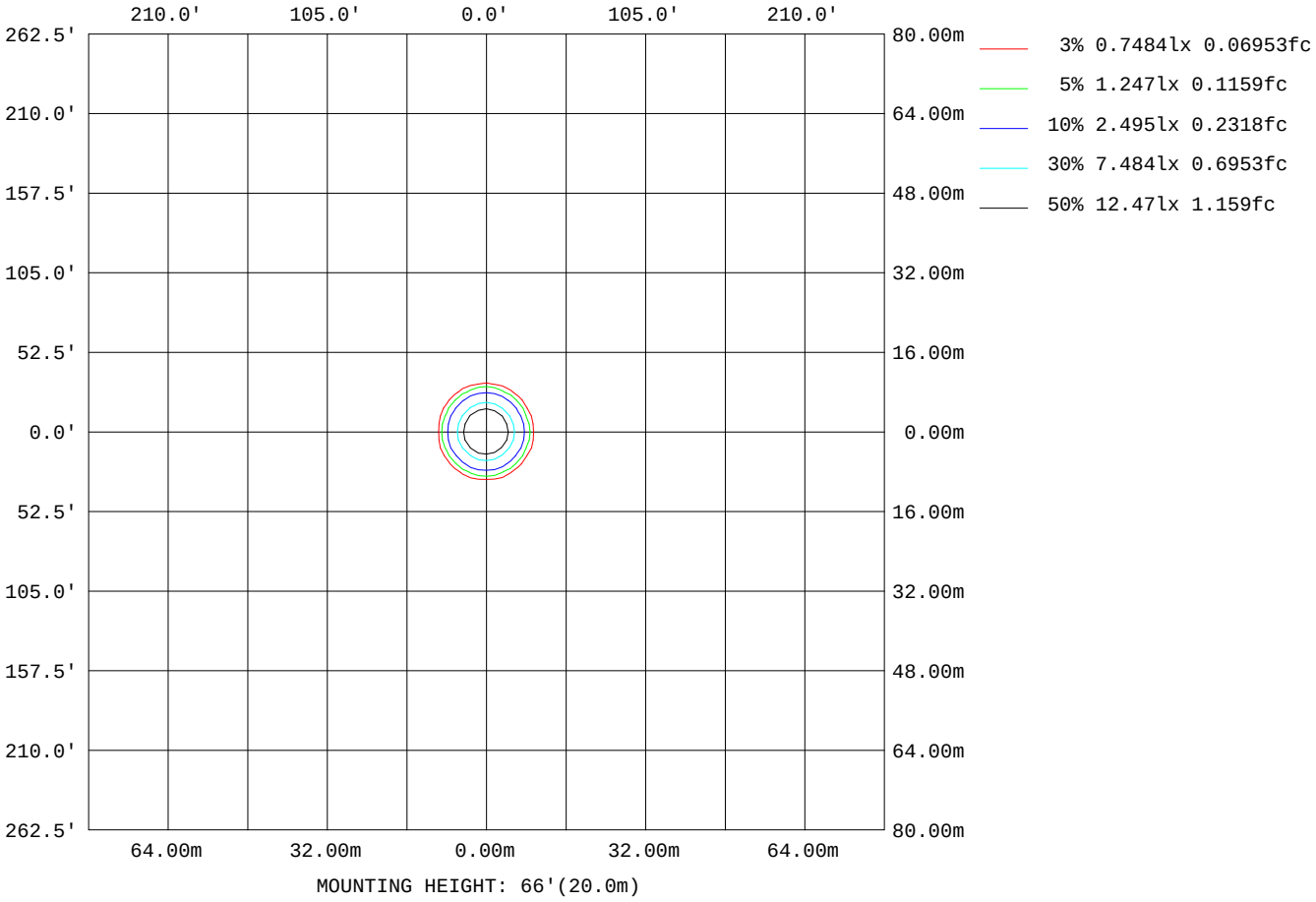
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

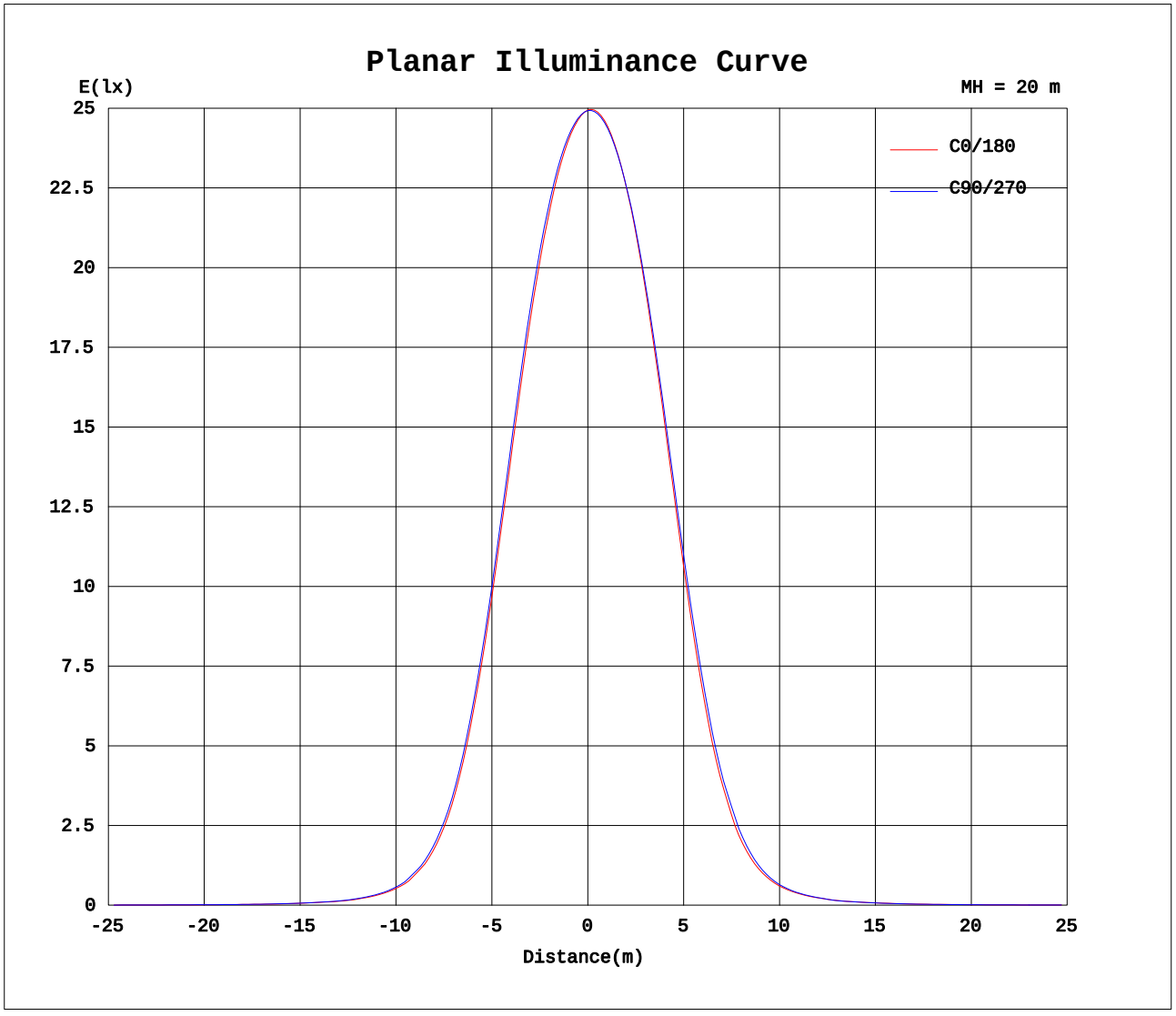
AvgL	cd/m2
L_0~180(65)av	1543
L_0~180(75)av	1209
L_0~180(85)av	1306
L_90~270(65)av	1557
L_90~270(75)av	1231
L_90~270(85)av	1346
L_45(65)av	1539
L_45(75)av	1209
L_45(85)av	1305

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
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
Operators:LGL
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 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1 UNIT: cd

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	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971	9971			
5	9081	9091	9071	9167	9180	9290	9312	9400	9367	9354	9410	9352	9369	9256	9205	9081			
10	6767	6796	6755	6929	6927	7132	7156	7307	7213	7194	7337	7264	7310	7104	7019	6769			
15	3655	3678	3634	3805	3792	3986	3983	4140	4048	4049	4217	4134	4209	3997	3909	3650			
20	1352	1391	1346	1478	1439	1567	1504	1623	1575	1559	1697	1627	1696	1546	1516	1349			
25	413	416	413	450	461	476	475	487	479	501	528	530	520	488	451	410			
30	151	153	150	161	163	172	171	179	177	180	190	184	183	168	163	148			
35	67.6	67.6	67.0	69.7	70.7	74.2	75.1	77.9	77.6	78.1	80.2	78.7	76.9	71.4	68.8	66.0			
40	33.4	33.6	32.9	34.1	34.4	36.6	37.6	39.3	39.0	39.1	40.2	39.1	37.7	34.9	34.0	32.7			
45	22.0	22.1	21.8	22.2	22.4	23.4	23.6	24.3	24.2	24.1	24.2	23.6	23.5	22.4	22.0	21.5			
50	14.9	15.0	15.0	15.2	15.3	15.8	15.9	16.4	16.4	16.4	16.4	16.1	15.9	15.2	14.8	14.5			
55	10.4	10.5	10.5	10.7	10.7	11.0	11.1	11.4	11.5	11.4	11.5	11.3	11.2	10.6	10.4	10.1			
60	7.37	7.49	7.49	7.65	7.62	7.84	7.86	8.09	8.16	8.19	8.25	8.08	7.99	7.56	7.37	7.20			
65	5.25	5.32	5.36	5.47	5.48	5.60	5.62	5.79	5.83	5.86	5.90	5.78	5.70	5.39	5.23	5.11			
70	3.68	3.75	3.78	3.90	3.90	3.99	4.00	4.11	4.10	4.13	4.14	4.06	3.99	3.78	3.66	3.56			
75	2.50	2.55	2.57	2.69	2.69	2.76	2.76	2.86	2.81	2.79	2.82	2.73	2.72	2.54	2.47	2.38			
80	1.60	1.63	1.64	1.74	1.75	1.81	1.80	1.87	1.80	1.78	1.78	1.72	1.72	1.60	1.55	1.49			
85	0.91	0.92	0.94	1.00	1.02	1.06	1.06	1.10	1.02	1.00	1.01	0.97	0.97	0.89	0.85	0.82			
90	0.49	0.49	0.49	0.48	0.49	0.48	0.49	0.51	0.44	0.42	0.42	0.43	0.44	0.46	0.43	0.44			
95	0.51	0.53	0.51	0.52	0.51	0.52	0.50	0.51	0.49	0.46	0.48	0.47	0.51	0.48	0.50	0.49			
100	0.55	0.56	0.55	0.56	0.55	0.56	0.53	0.55	0.55	0.52	0.54	0.53	0.56	0.54	0.56	0.54			
105	0.59	0.60	0.58	0.60	0.58	0.59	0.56	0.59	0.60	0.57	0.59	0.58	0.62	0.59	0.61	0.60			
110	0.66	0.67	0.66	0.67	0.66	0.65	0.63	0.64	0.67	0.63	0.66	0.65	0.68	0.66	0.68	0.67			
115	0.83	0.85	0.85	0.85	0.84	0.82	0.79	0.78	0.81	0.79	0.80	0.81	0.84	0.84	0.85	0.86			
120	1.40	1.39	1.47	1.42	1.46	1.35	1.32	1.24	1.30	1.31	1.30	1.37	1.37	1.42	1.41	1.48			
125	2.97	2.95	3.12	3.02	3.12	2.88	2.80	2.61	2.76	2.77	2.74	2.88	2.87	3.02	3.01	3.14			
130	6.30	6.25	6.53	6.34	6.49	6.11	5.95	5.62	5.89	5.88	5.82	6.04	6.04	6.30	6.33	6.53			
135	11.5	11.5	11.8	11.5	11.7	11.2	11.0	10.6	10.9	10.9	10.7	11.1	11.0	11.4	11.5	11.9			
140	17.9	18.0	18.2	18.0	18.0	17.6	17.3	16.9	17.3	17.2	17.1	17.4	17.4	17.8	17.9	18.5			
145	24.8	24.8	25.0	24.7	24.8	24.4	24.3	23.8	24.2	24.1	23.9	24.2	24.1	24.5	24.7	25.2			
150	30.9	30.8	31.0	30.6	30.7	30.3	30.3	30.0	30.4	30.3	30.1	30.3	30.2	30.6	30.7	31.1			
155	34.9	34.8	34.7	34.4	34.5	34.2	34.2	34.2	34.7	34.6	34.4	34.5	34.5	34.7	34.8	35.1			
160	36.0	35.9	35.4	35.1	35.0	34.8	35.2	35.5	36.1	36.1	36.0	35.8	35.9	35.9	35.9	36.3			
165	33.7	33.3	32.7	32.4	32.0	32.1	32.8	33.5	34.2	34.3	34.2	33.6	33.7	33.7	33.8	33.8			
170	28.1	27.6	27.2	27.4	26.9	27.2	27.4	28.3	28.8	29.1	29.0	28.8	28.9	28.9	28.6	28.3			
175	22.2	22.2	22.6	22.5	22.0	22.3	22.9	23.0	22.8	23.6	24.2	23.7	23.8	24.0	24.0	23.1			
180	20.6	20.8	21.6	21.3	21.2	21.3	21.6	21.0	20.7	20.8	21.6	21.3	21.2	21.3	21.6	21.0			

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