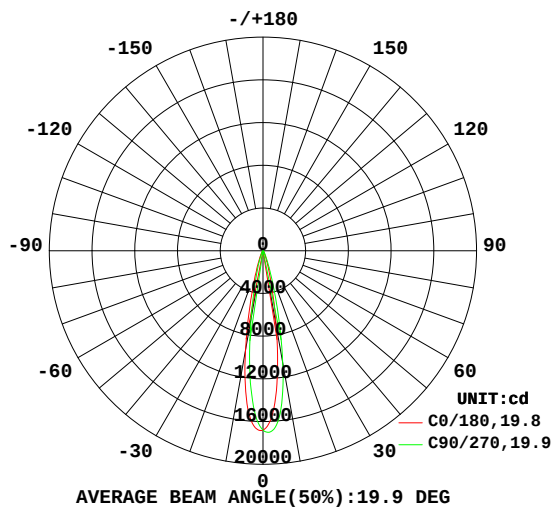


LUMINAIRE PHOTOMETRIC TEST REPORT

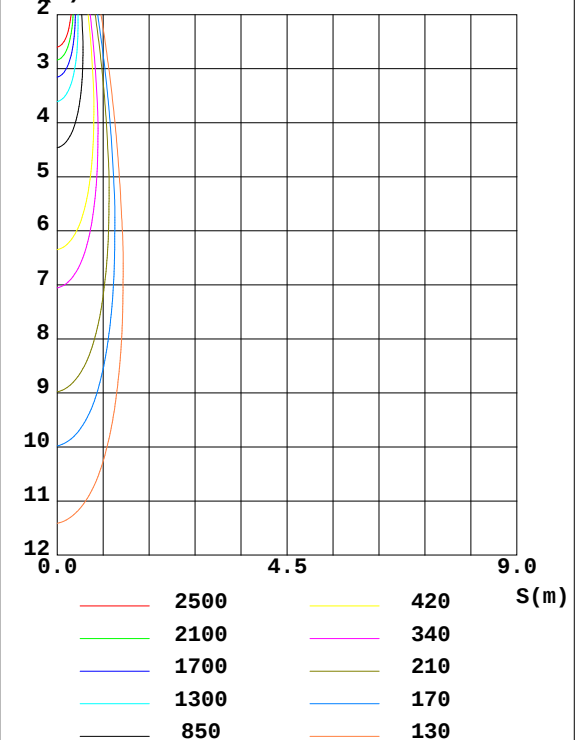
NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 84.75 lm/W			
MODEL		Imax(cd)	17089	S/MH(C0/180)	0.36
NOMINAL POWER(W)	34	LOR(%)	118.4	S/MH(C90/270)	0.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2876.1	η UP, DN(C0-180)	1.4, 64.5
NOMINAL FLUX(lm)	2429.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5, 51.0
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	115.5	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



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 G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

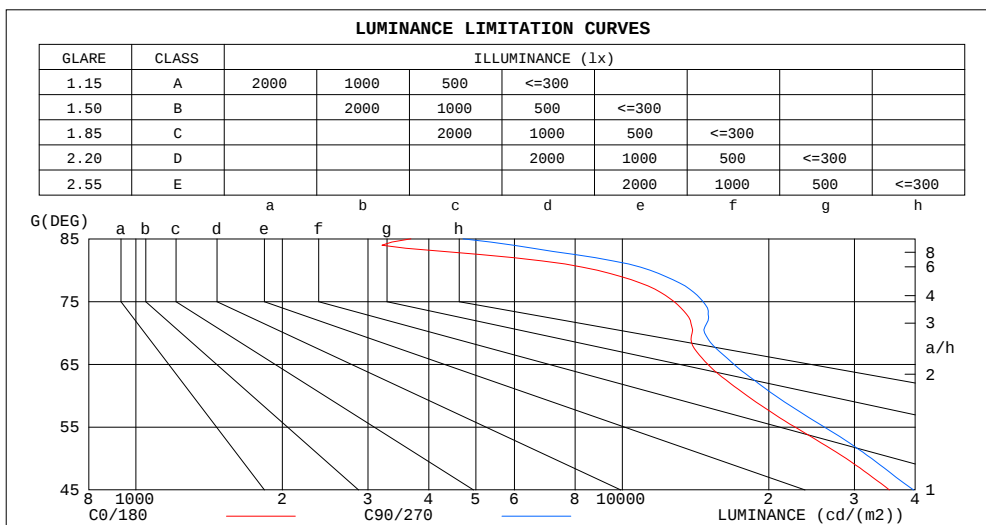
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	718.2	901.5	1069	1081	946.1	769.2	641.4	616.5	0- 10	1182	1182	41.1, 48.7
20	107.8	139.3	170.4	172.3	153.5	123.8	102.6	96.76	10- 20	1008	2190	76.2, 90.2
30	29.62	34.19	38.07	38.68	35.92	32.01	28.70	27.61	20- 30	302.5	2493	86.7, 103
40	13.51	14.53	15.65	15.80	15.19	14.24	13.48	13.10	30- 40	134.7	2627	91.4, 108
50	7.482	7.992	8.512	8.622	8.302	7.816	7.399	7.237	40- 50	83.29	2711	94.2, 112
60	3.642	3.928	4.198	4.285	4.105	3.837	3.601	3.514	50- 60	50.90	2762	96, 114
70	1.921	1.999	2.055	2.085	1.972	1.966	1.844	1.904	60- 70	27.48	2789	97, 115
80	0.6222	0.8056	0.8059	0.8655	0.6670	0.5558	0.3885	0.5188	70- 80	14.36	2803	97.5, 115
90	0.0798	0.0887	0.0922	0.0839	0.0712	0.0728	0.0780	0.0758	80- 90	2.381	2806	97.6, 115
100	0.1088	0.1046	0.1011	0.0986	0.1058	0.1086	0.1145	0.1121	90-100	0.9769	2807	97.6, 116
110	0.1544	0.1479	0.1433	0.1404	0.1484	0.1526	0.1600	0.1585	100-110	1.344	2808	97.6, 116
120	0.2679	0.2455	0.2291	0.2223	0.2357	0.2580	0.2808	0.2821	110-120	1.894	2810	97.7, 116
130	0.7788	0.6644	0.5786	0.5553	0.6511	0.7768	0.8953	0.9011	120-130	3.808	2814	97.8, 116
140	2.307	2.072	1.878	1.841	2.069	2.311	2.521	2.543	130-140	10.54	2824	98.2, 116
150	3.830	3.673	3.556	3.542	3.677	3.807	3.930	3.955	140-150	18.88	2843	98.9, 117
160	4.283	4.198	4.203	4.211	4.286	4.276	4.302	4.306	150-160	18.88	2862	99.5, 118
170	3.223	3.286	3.408	3.401	3.466	3.254	3.184	3.142	160-170	11.29	2873	99.9, 118
180	2.246	2.336	2.315	2.319	2.249	2.338	2.322	2.321	170-180	2.694	2876	100, 118
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									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 G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3675	4707
80	8878	11405
75	12777	14652
70	13917	14767
65	14992	16956
60	18048	20634
55	22649	26024
50	28845	32543
45	35396	39668

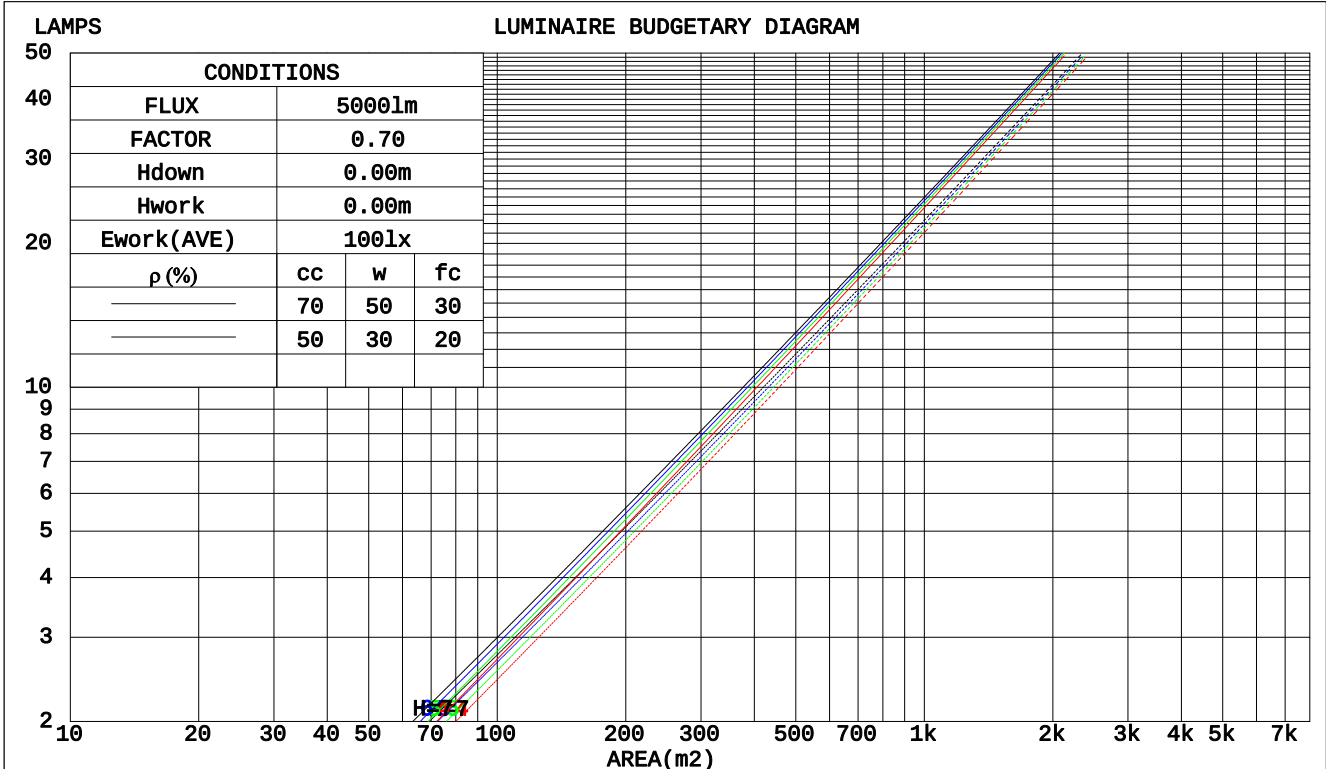
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.40	1.40	1.40	1.37	1.37	1.37	1.30	1.30	1.30	1.24	1.24	1.24	1.18	1.18	1.18	1.15
1.0	1.32	1.30	1.28	1.30	1.27	1.26	1.24	1.23	1.21	1.19	1.18	1.17	1.15	1.14	1.13	1.11
2.0	1.26	1.22	1.19	1.23	1.20	1.17	1.19	1.16	1.14	1.15	1.13	1.11	1.12	1.10	1.09	1.07
3.0	1.20	1.15	1.12	1.18	1.14	1.11	1.15	1.11	1.08	1.12	1.09	1.06	1.09	1.06	1.05	1.03
4.0	1.15	1.10	1.06	1.13	1.09	1.05	1.11	1.07	1.04	1.08	1.05	1.02	1.06	1.03	1.01	.99
5.0	1.10	1.05	1.02	1.09	1.05	1.01	1.07	1.03	.00	1.05	1.01	.99	1.03	1.00	.98	.96
6.0	1.07	1.01	.98	1.06	1.01	.97	1.04	.00	.96	1.02	.98	.96	1.00	.97	.95	.93
7.0	1.03	.98	.94	1.02	.98	.94	1.01	.97	.93	.99	.96	.93	.98	.95	.92	.91
8.0	1.00	.95	.92	.99	.95	.91	.98	.94	.91	.97	.93	.90	.96	.92	.90	.89
9.0	.97	.92	.89	.97	.92	.89	.96	.91	.88	.94	.91	.88	.93	.90	.88	.86
10.0	.95	.90	.87	.94	.90	.87	.93	.89	.86	.92	.89	.86	.91	.88	.86	.84



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 G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	.173	.099	.031	.165	.094	.030	.148	.085	.027	.133	.077	.025	.119	.069	.022		
2.0	.161	.088	.027	.154	.085	.026	.140	.078	.024	.127	.071	.022	.116	.065	.021		
3.0	.149	.080	.024	.143	.077	.023	.132	.071	.022	.121	.066	.020	.111	.061	.019		
4.0	.139	.072	.021	.134	.070	.021	.124	.066	.020	.115	.062	.019	.106	.058	.018		
5.0	.130	.066	.019	.126	.065	.019	.117	.061	.018	.109	.058	.017	.102	.054	.016		
6.0	.123	.061	.018	.119	.060	.017	.111	.057	.017	.104	.054	.016	.098	.051	.015		
7.0	.116	.057	.016	.112	.056	.016	.106	.053	.015	.100	.051	.015	.094	.049	.014		
8.0	.110	.054	.015	.107	.052	.015	.101	.050	.014	.095	.048	.014	.090	.046	.013		
9.0	.104	.050	.014	.101	.049	.014	.096	.048	.013	.091	.046	.013	.087	.044	.013		
10.0	.099	.048	.013	.097	.047	.013	.092	.045	.013	.088	.044	.012	.083	.042	.012		

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	.248	.248	.248	.212	.212	.212	.144	.144	.144	.083	.083	.083	.027	.027	.027	
1.0	.222	.209	.197	.190	.179	.169	.130	.123	.117	.075	.071	.068	.024	.023	.022	
2.0	.202	.179	.161	.173	.154	.139	.118	.107	.097	.068	.062	.057	.022	.020	.019	
3.0	.184	.157	.135	.158	.135	.117	.109	.094	.082	.063	.055	.048	.020	.018	.016	
4.0	.170	.139	.115	.146	.120	.100	.100	.084	.070	.058	.049	.042	.019	.016	.014	
5.0	.158	.124	.100	.135	.108	.087	.093	.075	.061	.054	.044	.036	.017	.014	.012	
6.0	.147	.113	.088	.126	.097	.076	.087	.068	.054	.051	.040	.032	.016	.013	.011	
7.0	.138	.103	.078	.119	.089	.068	.082	.063	.048	.048	.037	.029	.015	.012	.010	
8.0	.130	.095	.071	.112	.082	.062	.077	.058	.044	.045	.034	.026	.015	.011	.009	
9.0	.123	.088	.065	.106	.077	.056	.074	.054	.040	.043	.032	.024	.014	.010	.008	
10.0	.117	.083	.060	.101	.072	.052	.070	.051	.037	.041	.030	.022	.013	.010	.007	

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 G0-2000B_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 34W 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		14.0	14.6	14.2	14.8	15.0	14.6	15.2	14.8	15.4	15.6
	3H	14.5	15.2	14.8	15.4	15.6	15.1	15.7	15.4	16.0	16.2
	4H	14.8	15.4	15.1	15.7	15.9	15.4	16.0	15.7	16.2	16.5
	6H	15.0	15.5	15.3	15.8	16.1	15.6	16.1	15.9	16.4	16.7
	8H	15.0	15.5	15.3	15.8	16.1	15.6	16.1	15.9	16.4	16.7
	12H	14.9	15.5	15.3	15.8	16.1	15.5	16.1	15.9	16.4	16.7
4H	2H	14.2	14.8	14.5	15.1	15.3	14.7	15.3	15.0	15.6	15.8
	3H	15.0	15.5	15.3	15.8	16.1	15.4	16.0	15.8	16.3	16.6
	4H	15.4	15.9	15.8	16.2	16.5	15.8	16.3	16.2	16.6	17.0
	6H	15.6	16.0	16.0	16.4	16.8	16.1	16.5	16.5	16.9	17.3
	8H	15.6	16.0	16.1	16.4	16.8	16.1	16.5	16.5	16.9	17.3
	12H	15.6	16.0	16.0	16.4	16.8	16.1	16.4	16.5	16.9	17.3
8H	4H	15.5	15.9	15.9	16.3	16.7	15.9	16.3	16.3	16.7	17.1
	6H	15.8	16.2	16.3	16.6	17.0	16.2	16.6	16.7	17.0	17.5
	8H	15.9	16.1	16.3	16.6	17.1	16.3	16.6	16.8	17.0	17.5
	12H	15.8	16.1	16.3	16.6	17.1	16.2	16.5	16.8	17.0	17.5
12H	4H	15.5	15.8	15.9	16.2	16.7	15.9	16.2	16.3	16.7	17.1
	6H	15.8	16.1	16.3	16.6	17.0	16.2	16.5	16.7	17.0	17.5
	8H	15.9	16.1	16.4	16.6	17.1	16.3	16.5	16.8	17.0	17.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H		+ 0.6 / - 0.5					+ 0.8 / - 0.5				
2.0H		+ 1.3 / - 1.1					+ 1.3 / - 1.1				

CIE Pub.117, 2429 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.1$)

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 G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

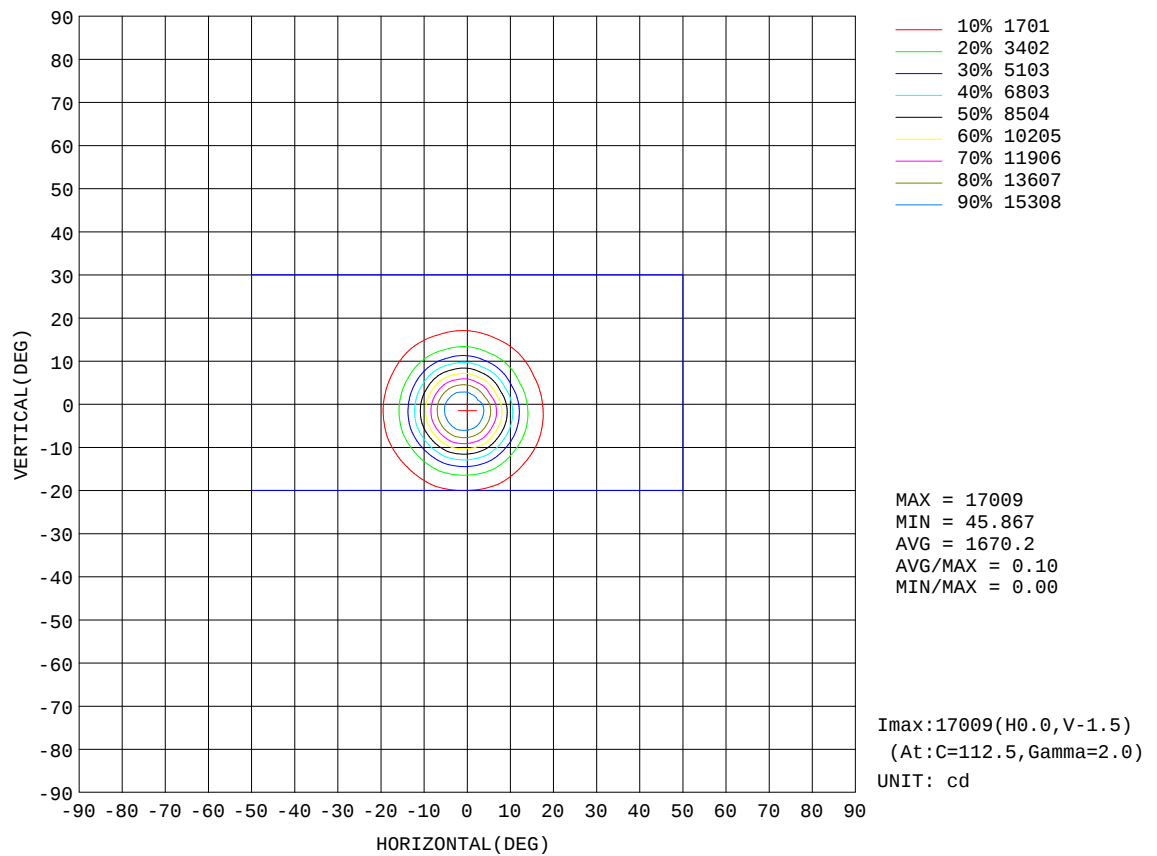
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	102	94	90	101	94	90	100	94	90	85
0.80	111	104	99	110	103	99	108	102	98	94
1.00	116	109	105	115	109	104	113	108	104	99
1.25	121	114	110	119	114	110	117	112	108	103
1.50	124	118	114	122	117	113	119	115	112	106
2.00	127	122	118	125	121	117	122	118	115	108
2.50	129	125	121	127	123	120	123	120	117	109
3.00	131	127	124	129	125	122	124	122	119	111
4.00	134	130	128	131	128	126	126	124	122	113
5.00	135	132	130	132	130	128	127	126	124	114
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 G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

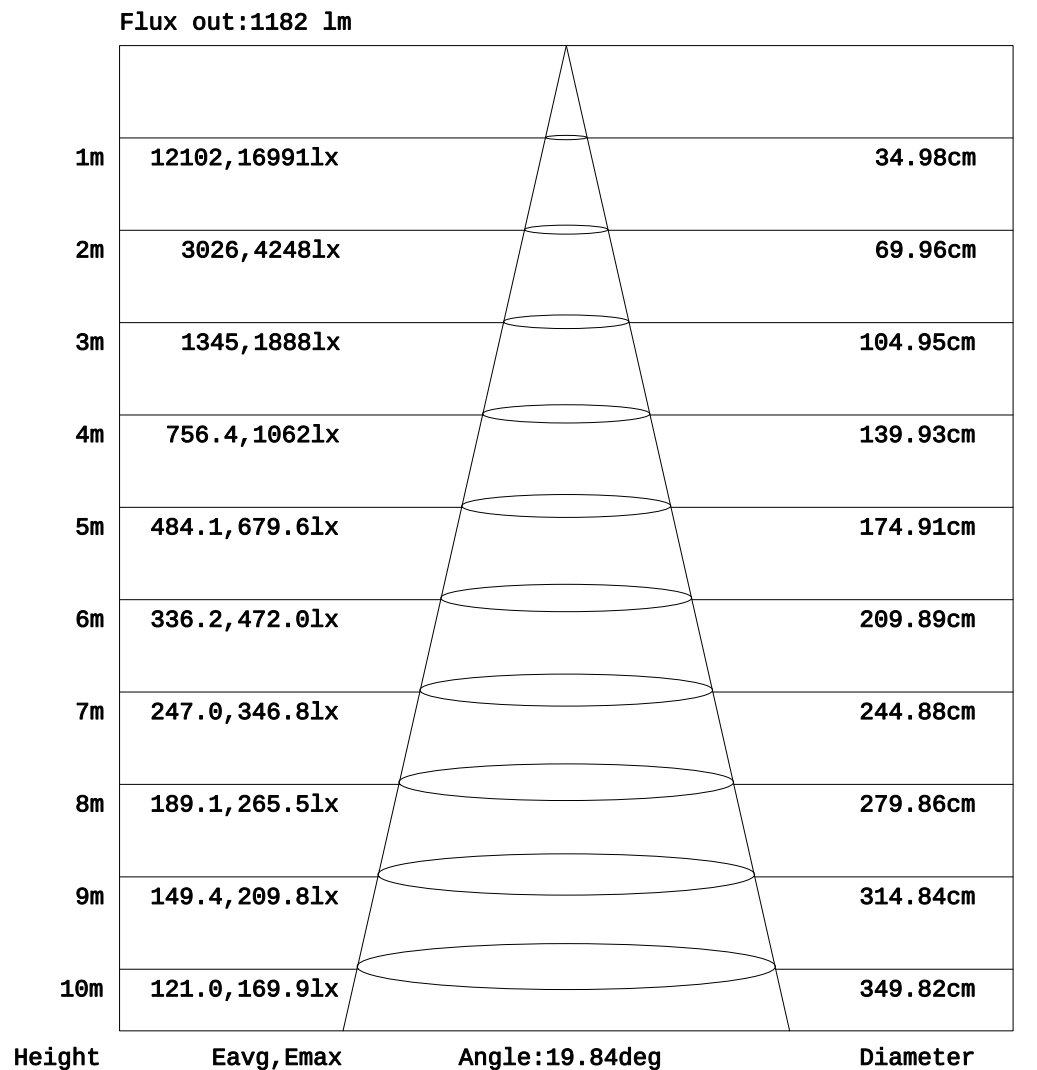


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



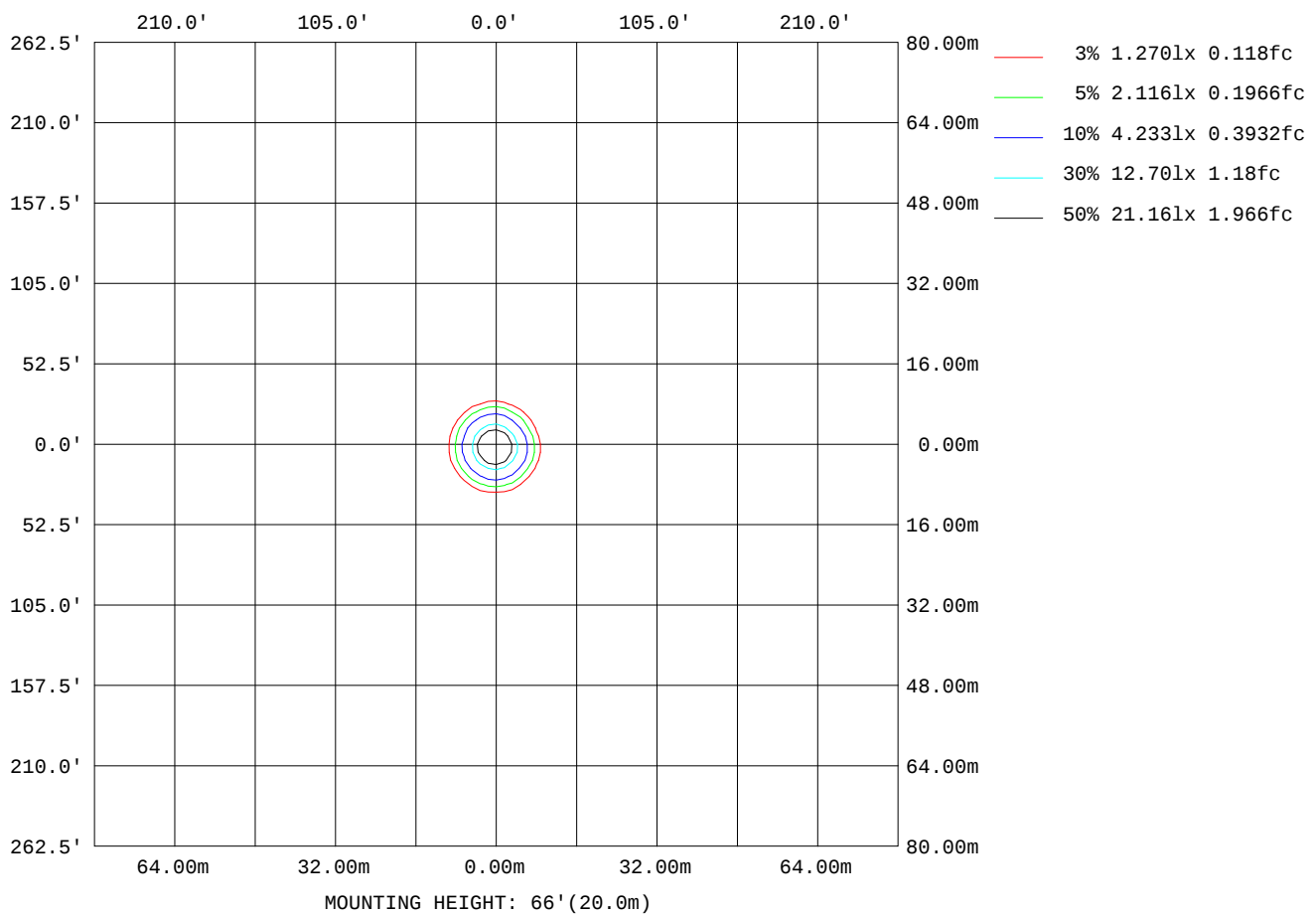
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_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 34W 90CRI 15D	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 G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

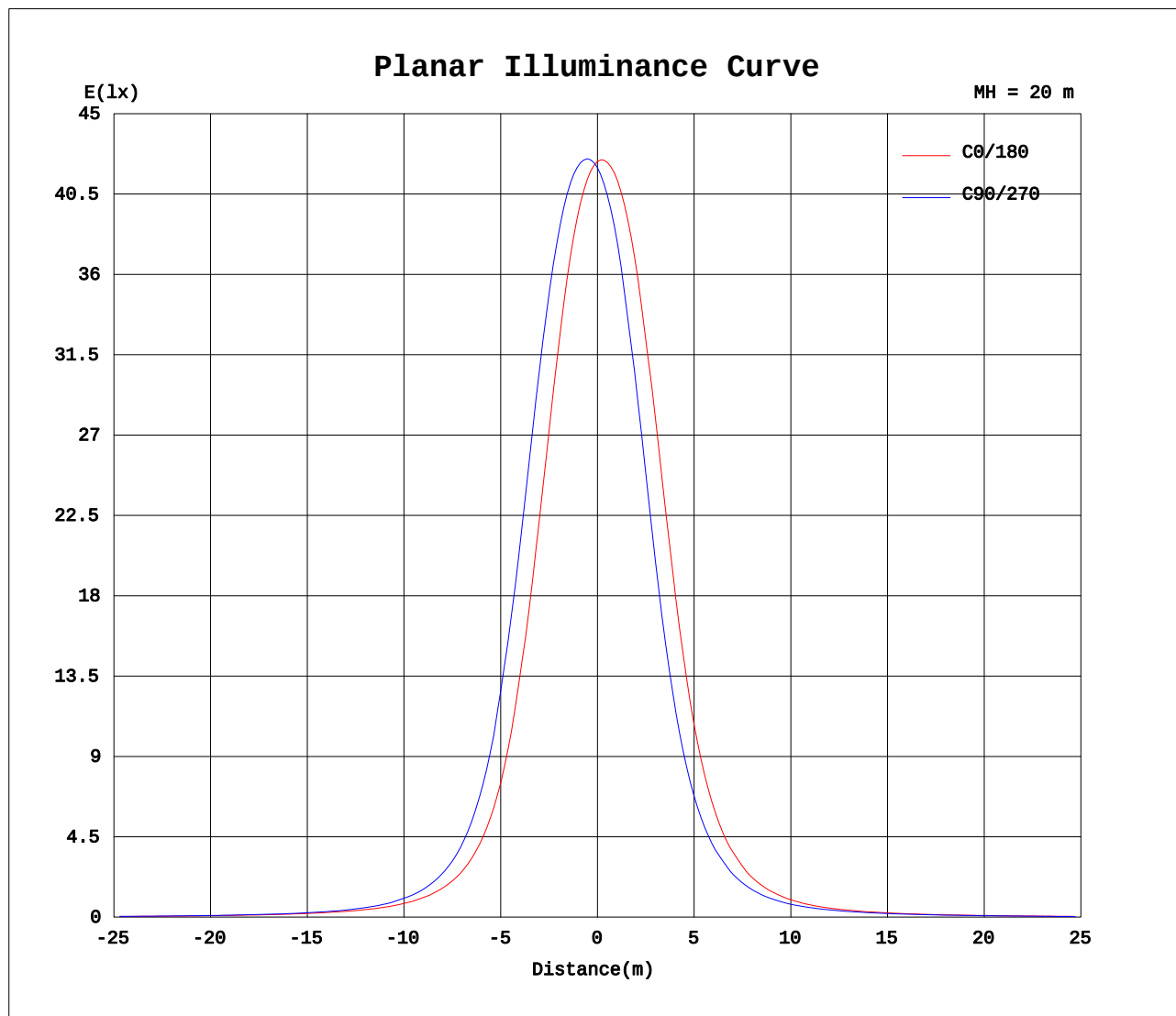
AvgL	cd/m2
L_0~180(65)av	15611
L_0~180(75)av	12965
L_0~180(85)av	3234
L_90~270(65)av	15706
L_90~270(75)av	12714
L_90~270(85)av	3791
L_45(65)av	15840
L_45(75)av	13579
L_45(85)av	3955

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 G0-2000B_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 G0-2000B_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 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	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	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679	1679			
5	1375	1447	1506	1575	1606	1631	1613	1591	1528	1460	1398	1333	1296	1267	1278	1297			
10	718	818	902	1017	1069	1117	1081	1049	946	844	769	679	641	607	617	642			
15	270	320	364	431	453	483	455	445	390	338	306	263	248	229	234	236			
20	108	124	139	165	170	181	172	172	154	133	124	108	103	95.3	96.8	97.1			
25	52.4	57.9	64.0	71.5	73.6	77.7	74.9	74.5	67.6	62.0	57.8	52.6	49.6	46.9	47.4	47.8			
30	29.6	32.1	34.2	37.3	38.1	39.6	38.7	38.6	35.9	33.5	32.0	29.8	28.7	27.5	27.6	27.8			
35	19.1	20.3	21.2	22.7	23.2	23.9	23.4	23.5	22.3	21.1	20.4	19.3	18.8	18.2	18.2	18.3			
40	13.5	14.1	14.5	15.4	15.6	16.0	15.8	15.9	15.2	14.6	14.2	13.7	13.5	13.1	13.1	13.1			
45	10.1	10.5	10.7	11.2	11.4	11.6	11.5	11.6	11.1	10.8	10.5	10.2	10.1	9.84	9.83	9.85			
50	7.48	7.77	7.99	8.34	8.51	8.71	8.62	8.64	8.30	8.03	7.82	7.52	7.40	7.24	7.24	7.25			
55	5.24	5.49	5.67	5.97	6.07	6.27	6.19	6.21	5.93	5.68	5.51	5.24	5.15	5.02	5.04	5.06			
60	3.64	3.81	3.93	4.13	4.20	4.33	4.28	4.30	4.10	3.94	3.84	3.65	3.60	3.51	3.51	3.52			
65	2.56	2.67	2.73	2.88	2.92	3.01	2.98	2.91	2.81	2.76	2.69	2.49	2.49	2.47	2.49	2.47			
70	1.92	1.99	2.00	2.01	2.06	2.17	2.09	2.01	1.97	1.99	1.97	1.84	1.84	1.90	1.90	1.85			
75	1.33	1.52	1.51	1.49	1.54	1.67	1.57	1.47	1.40	1.42	1.35	1.10	1.13	1.26	1.29	1.21			
80	0.62	0.78	0.81	0.76	0.81	0.94	0.87	0.75	0.67	0.63	0.56	0.31	0.39	0.48	0.52	0.48			
85	0.13	0.15	0.17	0.14	0.17	0.24	0.19	0.11	0.10	0.10	0.10	0.09	0.10	0.10	0.11	0.12			
90	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07			
95	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09			
100	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11			
105	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13			
110	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16			
115	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.20	0.20			
120	0.27	0.25	0.25	0.23	0.23	0.22	0.22	0.22	0.24	0.25	0.26	0.28	0.28	0.29	0.28	0.28			
125	0.42	0.39	0.37	0.35	0.34	0.32	0.33	0.33	0.36	0.39	0.42	0.46	0.47	0.49	0.47	0.47			
130	0.78	0.71	0.66	0.60	0.58	0.55	0.56	0.56	0.65	0.72	0.78	0.86	0.90	0.93	0.90	0.88			
135	1.44	1.32	1.24	1.13	1.08	1.03	1.05	1.07	1.23	1.34	1.44	1.57	1.62	1.68	1.63	1.61			
140	2.31	2.18	2.07	1.94	1.88	1.82	1.84	1.87	2.07	2.21	2.31	2.46	2.52	2.59	2.54	2.52			
145	3.20	3.06	2.97	2.84	2.79	2.73	2.76	2.79	2.97	3.08	3.18	3.30	3.36	3.41	3.38	3.36			
150	3.83	3.74	3.67	3.60	3.56	3.52	3.54	3.58	3.68	3.75	3.81	3.89	3.93	3.97	3.95	3.95			
155	4.18	4.13	4.08	4.05	4.03	4.02	4.03	4.06	4.10	4.14	4.17	4.21	4.25	4.27	4.26	4.28			
160	4.28	4.24	4.20	4.20	4.20	4.20	4.21	4.26	4.29	4.29	4.28	4.26	4.30	4.30	4.31	4.36			
165	4.00	3.99	3.95	4.01	4.02	4.02	4.03	4.12	4.14	4.09	4.00	3.92	3.97	3.92	3.95	4.02			
170	3.22	3.27	3.29	3.40	3.41	3.44	3.40	3.47	3.47	3.38	3.25	3.19	3.18	3.17	3.14	3.18			
175	2.44	2.51	2.62	2.67	2.67	2.70	2.72	2.69	2.64	2.63	2.60	2.52	2.49	2.48	2.47	2.41			
180	2.25	2.26	2.34	2.31	2.31	2.31	2.32	2.23	2.25	2.26	2.34	2.31	2.32	2.31	2.32	2.23			

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