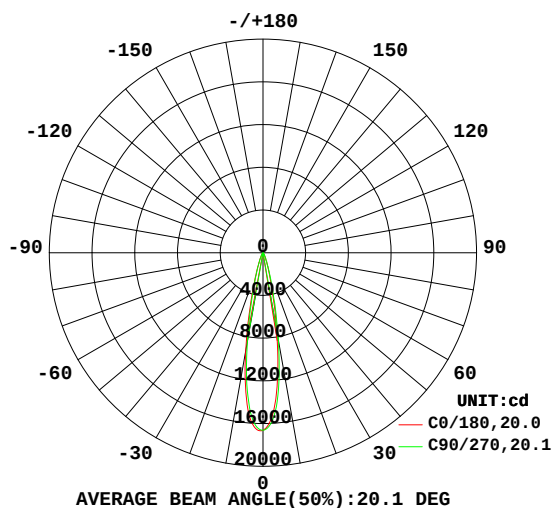


LUMINAIRE PHOTOMETRIC TEST REPORT

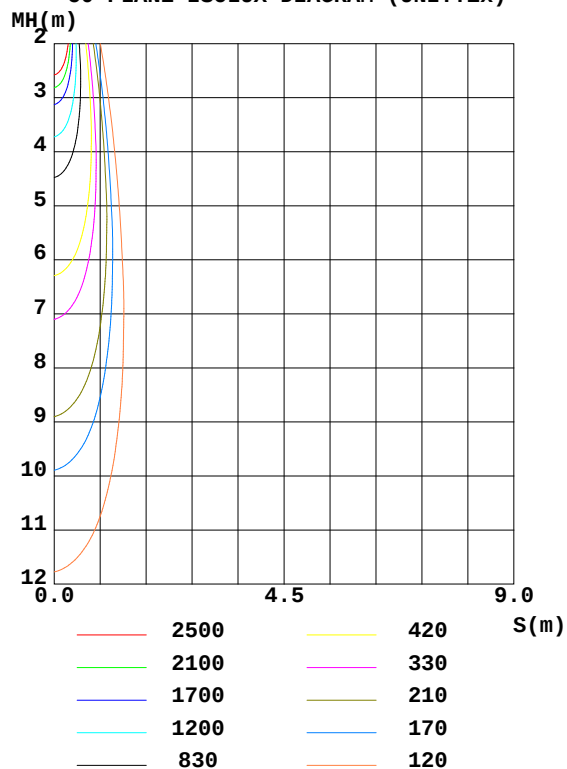
NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.12 lm/W			
MODEL		Imax(cd)	16678	S/MH(C0/180)	0.36
NOMINAL POWER(W)	34	LOR(%)	119.5	S/MH(C90/270)	0.34
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2809.4	η UP, DN(C0-180)	1.5, 57.7
NOMINAL FLUX(lm)	2351.79	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5, 58.8
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	116.5	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:

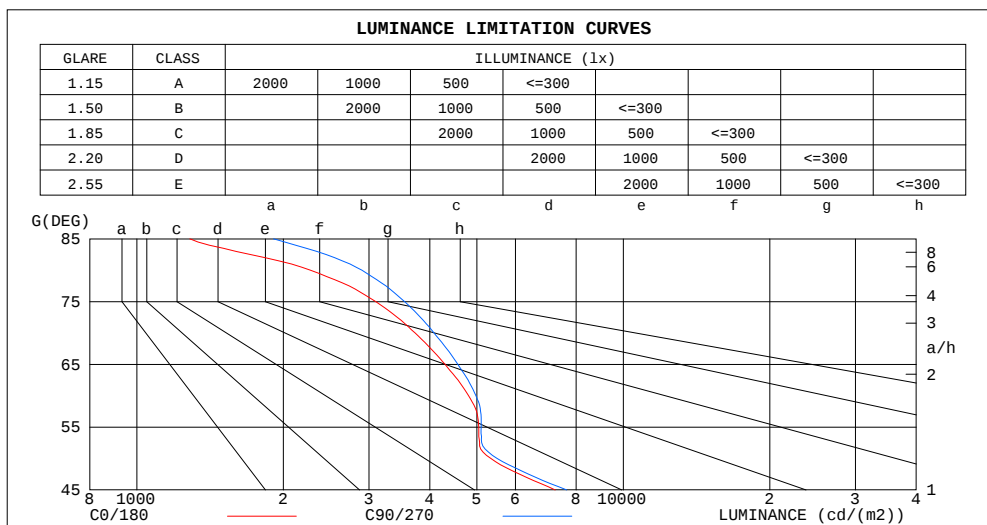
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	739.9	763.4	830.0	903.0	937.5	926.7	850.9	763.0	0- 10	1179	1179	42,50.1
20	119.0	124.3	134.1	143.3	151.2	154.7	140.9	123.4	10- 20	1001	2180	77.6,92.7
30	31.36	32.16	33.91	35.42	36.48	36.69	34.31	31.81	20- 30	312.3	2492	88.7,106
40	10.68	10.81	11.45	12.04	12.28	12.14	11.54	10.82	30- 40	125.4	2618	93.2,111
50	4.137	4.157	4.265	4.443	4.511	4.474	4.334	4.201	40- 50	53.76	2671	95.1,114
60	2.898	2.930	3.002	3.071	3.098	3.092	3.020	2.941	50- 60	31.86	2703	96.2,115
70	1.538	1.597	1.684	1.758	1.741	1.763	1.696	1.609	60- 70	23.05	2726	97,116
80	0.4760	0.5290	0.6079	0.6502	0.6158	0.6398	0.6092	0.5349	70- 80	11.59	2738	97.5,116
90	0.0710	0.0704	0.0709	0.0711	0.0660	0.0655	0.0680	0.0664	80- 90	2.586	2741	97.5,117
100	0.0911	0.0902	0.0903	0.0869	0.0898	0.0896	0.0934	0.0930	90-100	0.8514	2741	97.6,117
110	0.1294	0.1288	0.1267	0.1219	0.1249	0.1251	0.1301	0.1306	100-110	1.129	2743	97.6,117
120	0.2420	0.2422	0.2316	0.2175	0.2166	0.2201	0.2303	0.2374	110-120	1.655	2744	97.7,117
130	0.7587	0.7486	0.6980	0.6378	0.6487	0.6674	0.7159	0.7631	120-130	3.608	2748	97.8,117
140	2.271	2.244	2.151	2.035	2.058	2.084	2.182	2.284	130-140	10.35	2758	98.2,117
150	3.791	3.759	3.696	3.632	3.657	3.661	3.722	3.783	140-150	18.66	2777	98.8,118
160	4.268	4.166	4.161	4.167	4.271	4.248	4.258	4.246	150-160	18.70	2796	99.5,119
170	3.249	3.146	3.201	3.256	3.466	3.416	3.414	3.294	160-170	11.22	2807	99.9,119
180	2.277	2.388	2.352	2.368	2.279	2.390	2.355	2.368	170-180	2.717	2809	100,119
DEG	LUMINOUS INTENSITY:×10cd									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	1285	1910
80	2274	2902
75	3096	3551
70	3731	4082
65	4299	4570
60	4808	4977
55	5044	5102
50	5339	5500
45	7242	7650

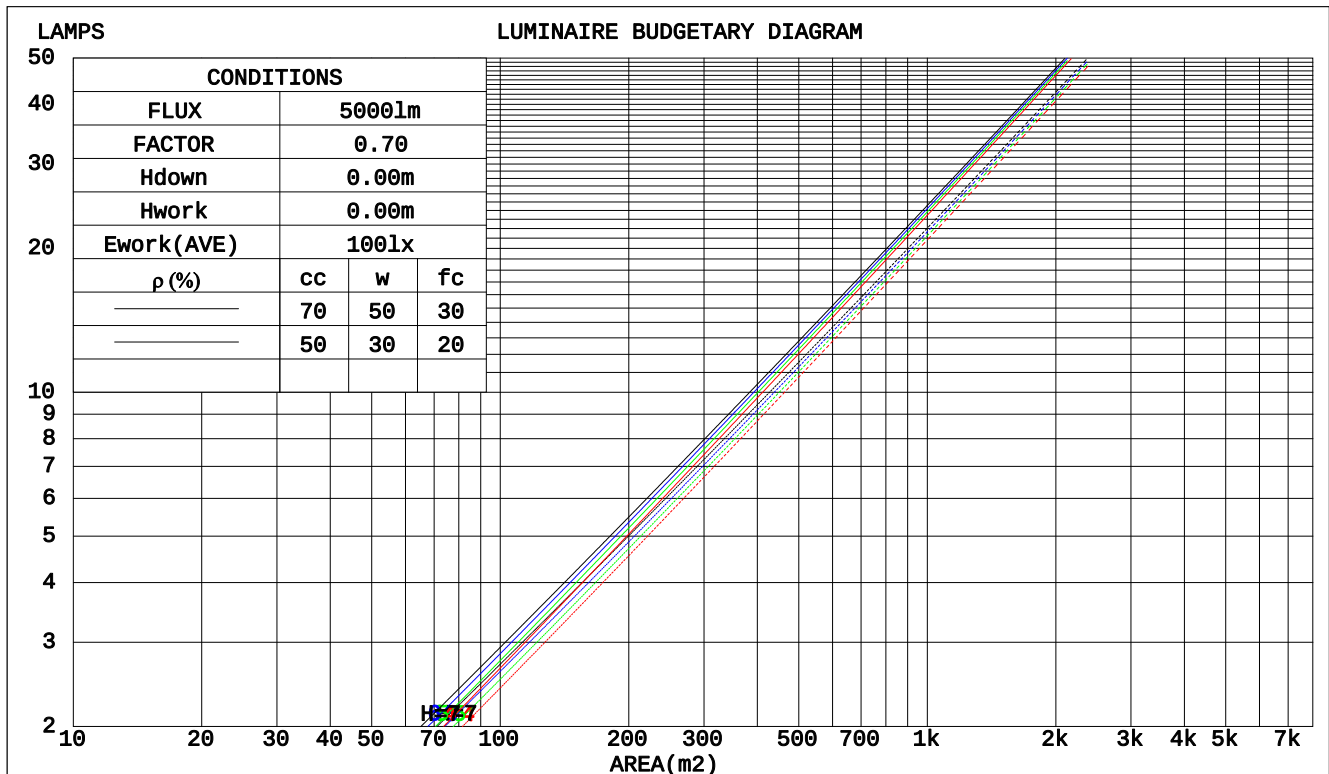
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2020-08-26

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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.42	1.42	1.42	1.38	1.38	1.38	1.31	1.31	1.31	1.25	1.25	1.25	1.19	1.19	1.19	1.17
1.0	1.34	1.31	1.29	1.31	1.29	1.27	1.26	1.24	1.23	1.21	1.20	1.18	1.16	1.15	1.15	1.12
2.0	1.27	1.23	1.20	1.25	1.22	1.19	1.21	1.18	1.16	1.17	1.15	1.13	1.13	1.12	1.10	1.08
3.0	1.22	1.17	1.14	1.20	1.16	1.12	1.16	1.13	1.10	1.13	1.11	1.08	1.10	1.08	1.06	1.05
4.0	1.17	1.12	1.08	1.15	1.11	1.07	1.12	1.09	1.06	1.10	1.07	1.04	1.08	1.05	1.03	1.01
5.0	1.12	1.07	1.04	1.11	1.07	1.03	1.09	1.05	1.02	1.07	1.04	1.01	1.05	1.02	1.00	.98
6.0	1.09	1.04	1.00	1.08	1.03	1.00	1.06	1.02	.99	1.04	1.01	.98	1.02	.99	.97	.96
7.0	1.05	1.00	.97	1.04	.99	.96	1.03	.99	.96	1.01	.98	.95	.99	.97	.94	.93
8.0	1.02	.97	.94	1.02	.97	.94	1.00	.96	.93	.99	.95	.93	.98	.94	.92	.91
9.0	.99	.95	.91	.99	.94	.91	.98	.94	.91	.97	.93	.90	.96	.92	.90	.89
10.0	.97	.92	.89	.96	.92	.89	.95	.91	.89	.94	.91	.88	.94	.90	.88	.87



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	.171	.097	.031	.162	.092	.029	.145	.083	.027	.130	.075	.024	.116	.067	.022		
2.0	.158	.087	.027	.151	.083	.026	.137	.076	.024	.124	.070	.022	.112	.064	.020		
3.0	.146	.078	.023	.140	.075	.023	.129	.070	.021	.118	.065	.020	.108	.060	.018		
4.0	.137	.071	.021	.131	.069	.020	.121	.064	.019	.112	.060	.018	.103	.056	.017		
5.0	.128	.065	.019	.123	.063	.018	.115	.060	.018	.107	.056	.017	.099	.053	.016		
6.0	.120	.060	.017	.116	.059	.017	.109	.056	.016	.102	.053	.016	.095	.050	.015		
7.0	.114	.056	.016	.110	.055	.016	.103	.052	.015	.097	.050	.015	.091	.048	.014		
8.0	.108	.053	.015	.105	.051	.015	.099	.049	.014	.093	.047	.014	.088	.045	.013		
9.0	.102	.049	.014	.100	.049	.014	.094	.047	.013	.089	.045	.013	.085	.043	.012		
10.0	.098	.047	.013	.095	.046	.013	.090	.044	.012	.086	.043	.012	.082	.041	.012		

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	.250	.250	.250	.214	.214	.214	.146	.146	.146	.084	.084	.084	.027	.027	.027	
1.0	.224	.211	.199	.192	.181	.171	.131	.124	.118	.075	.072	.069	.024	.023	.022	
2.0	.203	.181	.163	.174	.156	.141	.119	.108	.098	.069	.063	.058	.022	.020	.019	
3.0	.185	.158	.136	.159	.136	.118	.109	.095	.083	.063	.055	.049	.020	.018	.016	
4.0	.171	.140	.117	.146	.121	.101	.101	.084	.071	.058	.049	.042	.019	.016	.014	
5.0	.158	.125	.101	.136	.108	.088	.093	.076	.062	.054	.044	.037	.017	.015	.012	
6.0	.147	.113	.089	.127	.098	.078	.087	.069	.055	.051	.040	.033	.016	.013	.011	
7.0	.138	.104	.080	.119	.090	.069	.082	.063	.049	.048	.037	.029	.015	.012	.010	
8.0	.130	.096	.072	.112	.083	.063	.077	.058	.045	.045	.034	.027	.015	.011	.009	
9.0	.123	.089	.066	.106	.077	.057	.074	.054	.041	.043	.032	.024	.014	.011	.008	
10.0	.117	.083	.061	.101	.072	.053	.070	.051	.038	.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	8.1	8.8	8.4	8.9	9.1	8.3	9.0	8.6	9.2	9.4				
3H	8.9	9.5	9.1	9.7	9.9	9.1	9.7	9.4	10.0	10.2				
4H	9.1	9.7	9.4	9.9	10.2	9.4	10.0	9.7	10.3	10.5				
6H	9.2	9.8	9.6	10.1	10.3	9.6	10.2	10.0	10.5	10.7				
8H	9.2	9.8	9.6	10.1	10.4	9.7	10.2	10.0	10.5	10.8				
12H	9.2	9.7	9.6	10.0	10.3	9.7	10.2	10.0	10.5	10.8				
4H 2H	8.4	9.0	8.7	9.2	9.5	8.6	9.2	8.9	9.4	9.7				
3H	9.3	9.8	9.7	10.1	10.4	9.6	10.1	9.9	10.4	10.7				
4H	9.7	10.1	10.0	10.5	10.8	10.0	10.4	10.4	10.8	11.1				
6H	9.8	10.3	10.3	10.6	11.0	10.2	10.7	10.7	11.0	11.4				
8H	9.9	10.2	10.3	10.6	11.0	10.3	10.7	10.7	11.1	11.5				
12H	9.8	10.2	10.3	10.6	11.0	10.3	10.7	10.8	11.1	11.5				
8H 4H	9.7	10.1	10.2	10.5	10.9	10.0	10.4	10.5	10.8	11.2				
6H	10.0	10.3	10.5	10.7	11.2	10.4	10.7	10.8	11.1	11.6				
8H	10.0	10.3	10.5	10.8	11.3	10.5	10.8	11.0	11.2	11.7				
12H	10.0	10.3	10.5	10.8	11.3	10.5	10.8	11.0	11.2	11.8				
12H 4H	9.7	10.1	10.2	10.5	10.9	10.0	10.4	10.4	10.8	11.2				
6H	10.0	10.3	10.5	10.7	11.2	10.4	10.6	10.8	11.1	11.6				
8H	10.0	10.3	10.5	10.8	11.3	10.5	10.7	11.0	11.2	11.7				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9								
1.5H	+ 1.6 / - 0.9					+ 1.7 / - 0.8								
2.0H	+ 0.7 / - 0.5					+ 0.7 / - 0.5								

CIE Pub.117, 2352 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.0$)

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:

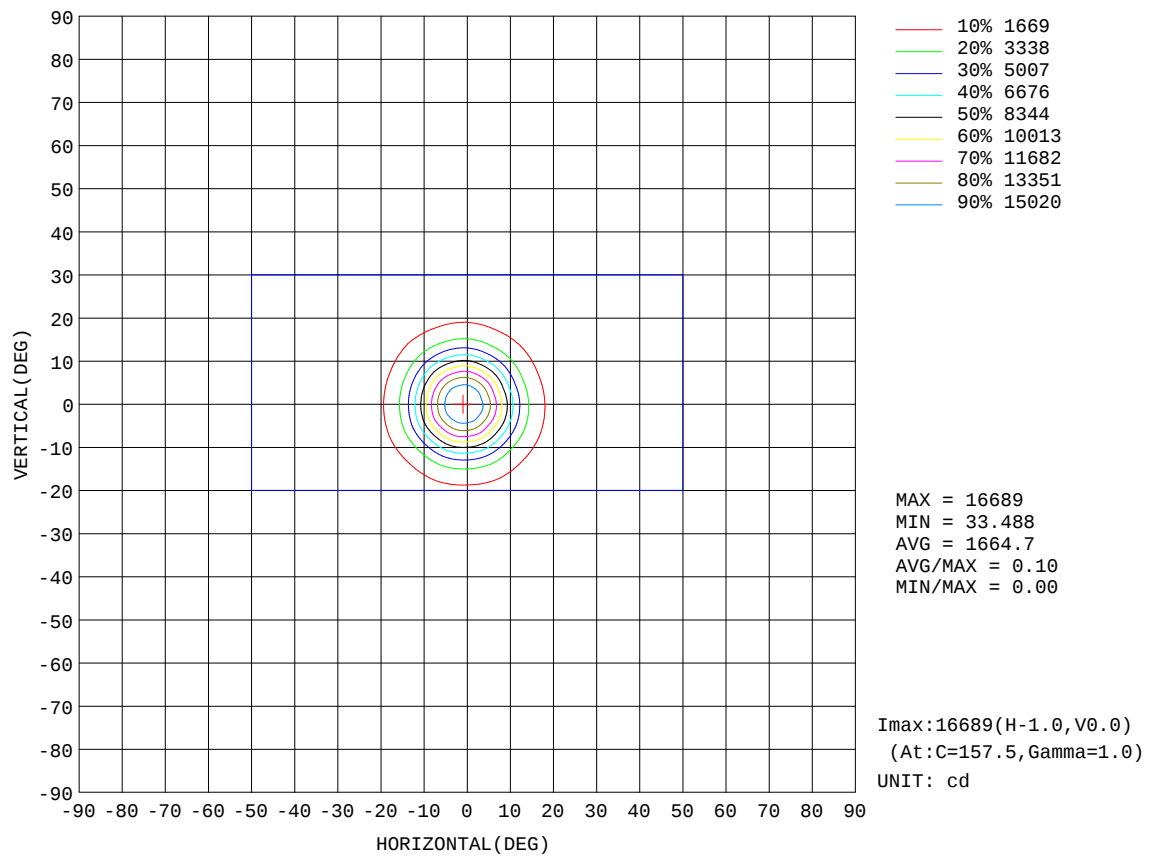
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	104	97	93	104	97	92	103	96	92	88
0.80	113	106	102	112	106	102	110	105	101	96
1.00	118	111	107	117	111	107	115	110	106	101
1.25	123	116	112	121	116	112	118	114	110	105
1.50	126	120	116	124	119	115	121	117	114	108
2.00	129	124	120	127	122	119	123	120	117	110
2.50	131	126	123	129	125	121	125	121	119	111
3.00	133	129	125	130	127	124	126	123	121	112
4.00	135	132	129	132	130	127	128	125	124	114
5.00	137	134	132	134	132	130	129	127	126	116
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:

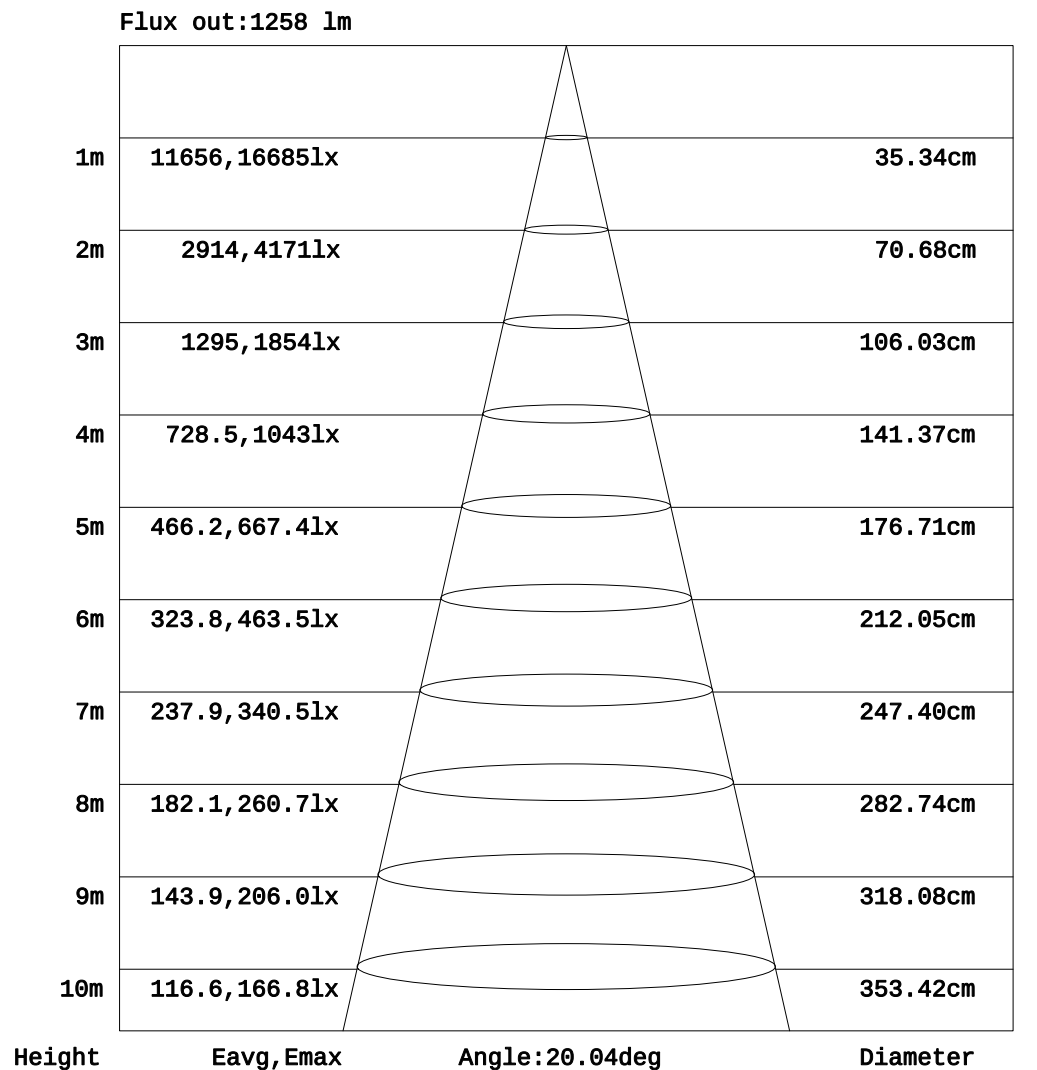


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2020-08-26

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:



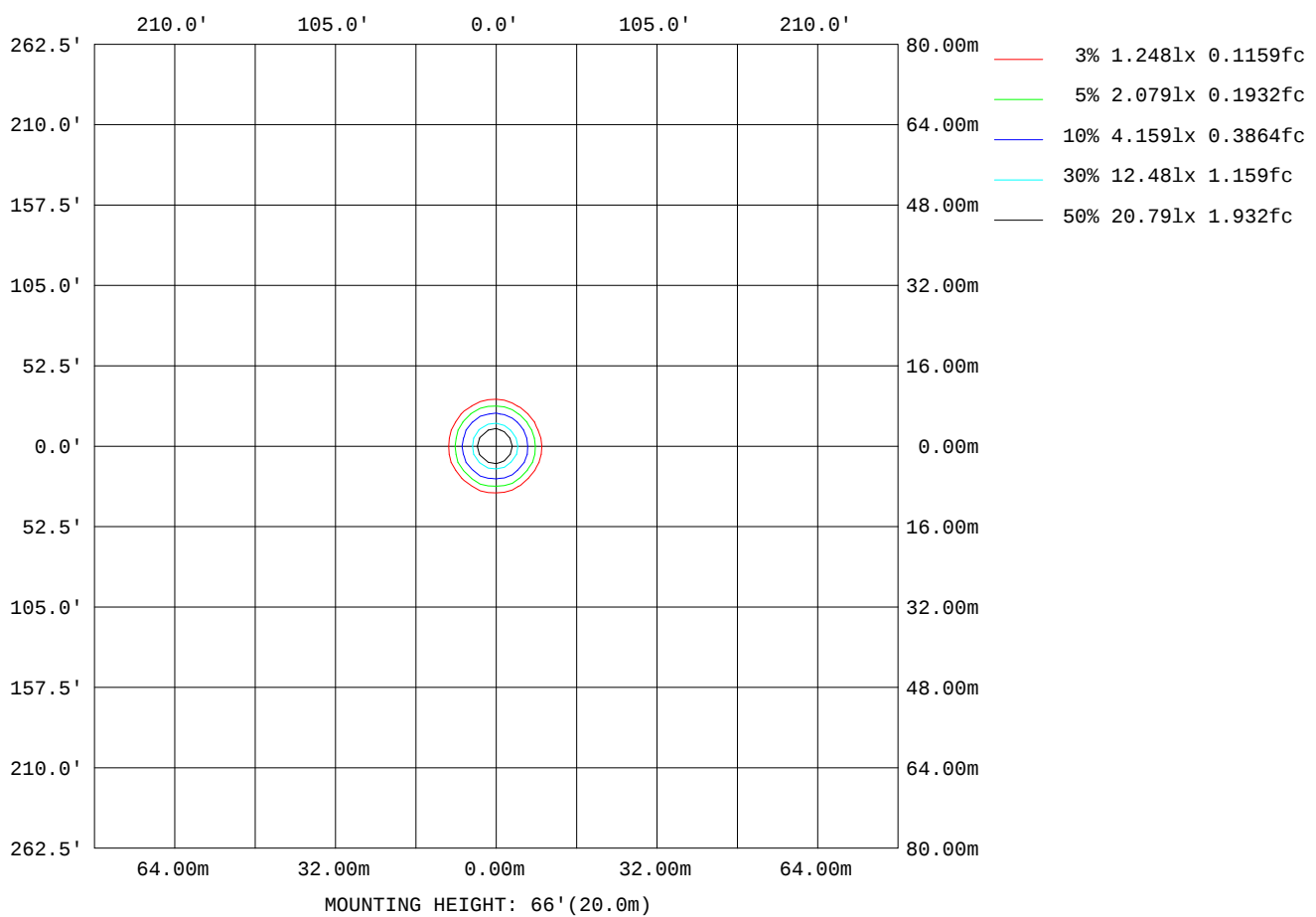
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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
 γ 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:

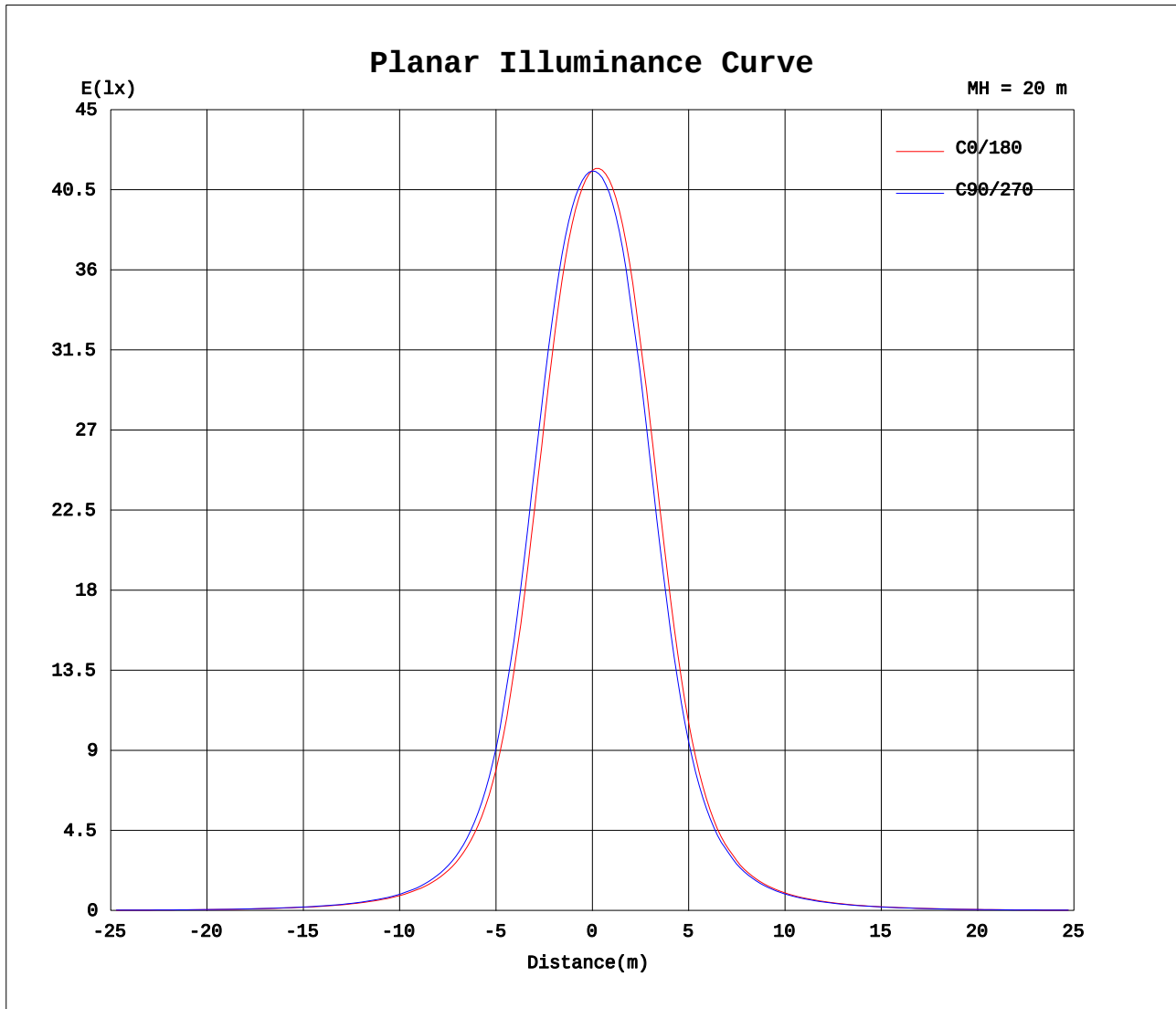
AvgL	cd/m2
L_0~180(65)av	4513
L_0~180(75)av	3367
L_0~180(85)av	1605
L_90~270(65)av	4584
L_90~270(75)av	3560
L_90~270(85)av	1906
L_45(65)av	4578
L_45(75)av	3503
L_45(85)av	1849

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(°)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662	1662			
5	1376	1380	1390	1426	1444	1481	1498	1527	1517	1513	1507	1475	1458	1420	1393	1367			
10	740	755	763	809	830	883	903	951	938	930	927	879	851	789	763	722			
15	288	299	303	327	332	359	364	389	384	380	387	359	346	311	301	280			
20	119	123	124	135	134	144	143	154	151	148	155	143	141	127	123	116			
25	58.1	58.8	60.1	62.8	63.5	66.3	66.3	69.3	68.5	68.2	69.6	66.4	64.5	60.2	58.9	56.7			
30	31.4	32.0	32.2	33.7	33.9	35.3	35.4	36.8	36.5	36.3	36.7	35.2	34.3	32.3	31.8	30.7			
35	17.9	18.1	18.2	19.0	19.3	20.0	20.1	20.8	20.5	20.3	20.4	19.7	19.4	18.5	18.2	17.5			
40	10.7	10.8	10.8	11.3	11.4	11.9	12.0	12.4	12.3	12.2	12.1	11.7	11.5	11.0	10.8	10.5			
45	6.17	6.21	6.25	6.39	6.53	6.68	6.84	6.99	6.91	6.92	6.84	6.68	6.54	6.37	6.26	6.12			
50	4.14	4.17	4.16	4.25	4.27	4.39	4.44	4.55	4.51	4.49	4.47	4.37	4.33	4.22	4.20	4.10			
55	3.49	3.49	3.49	3.52	3.53	3.56	3.56	3.60	3.59	3.58	3.59	3.55	3.54	3.51	3.50	3.47			
60	2.90	2.92	2.93	2.99	3.00	3.06	3.07	3.12	3.10	3.09	3.09	3.04	3.02	2.96	2.94	2.89			
65	2.19	2.22	2.24	2.31	2.33	2.39	2.41	2.45	2.41	2.41	2.43	2.36	2.35	2.28	2.26	2.19			
70	1.54	1.57	1.60	1.66	1.68	1.75	1.76	1.78	1.74	1.73	1.76	1.72	1.70	1.63	1.61	1.53			
75	0.97	0.99	1.02	1.09	1.11	1.16	1.16	1.17	1.14	1.13	1.16	1.13	1.12	1.06	1.03	0.96			
80	0.48	0.49	0.53	0.59	0.61	0.65	0.65	0.65	0.62	0.61	0.64	0.62	0.61	0.56	0.53	0.47			
85	0.14	0.14	0.16	0.19	0.20	0.23	0.23	0.23	0.20	0.20	0.23	0.21	0.20	0.17	0.16	0.13			
90	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
95	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08			
100	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
105	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.11			
110	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13			
115	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17			
120	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25			
125	0.40	0.40	0.40	0.38	0.38	0.36	0.35	0.33	0.35	0.36	0.36	0.37	0.38	0.40	0.40	0.42			
130	0.76	0.74	0.75	0.71	0.70	0.66	0.64	0.61	0.65	0.66	0.67	0.70	0.72	0.75	0.76	0.80			
135	1.41	1.39	1.39	1.33	1.31	1.24	1.21	1.15	1.23	1.25	1.26	1.32	1.34	1.40	1.42	1.48			
140	2.27	2.25	2.24	2.18	2.15	2.07	2.03	1.97	2.06	2.08	2.08	2.16	2.18	2.27	2.28	2.36			
145	3.14	3.11	3.12	3.05	3.02	2.95	2.92	2.87	2.94	2.96	2.96	3.03	3.05	3.12	3.15	3.21			
150	3.79	3.76	3.76	3.71	3.70	3.65	3.63	3.60	3.66	3.66	3.66	3.70	3.72	3.77	3.78	3.82			
155	4.15	4.13	4.10	4.08	4.07	4.05	4.05	4.05	4.09	4.08	4.08	4.10	4.12	4.13	4.14	4.18			
160	4.27	4.23	4.17	4.16	4.16	4.15	4.17	4.21	4.27	4.26	4.25	4.23	4.26	4.25	4.25	4.28			
165	4.01	3.93	3.85	3.87	3.87	3.87	3.93	4.04	4.13	4.11	4.07	4.02	4.04	4.01	3.98	3.99			
170	3.25	3.18	3.15	3.21	3.20	3.23	3.26	3.39	3.47	3.46	3.42	3.41	3.41	3.37	3.29	3.25			
175	2.45	2.46	2.53	2.54	2.54	2.56	2.62	2.65	2.64	2.72	2.76	2.70	2.70	2.68	2.65	2.54			
180	2.28	2.28	2.39	2.36	2.35	2.35	2.37	2.30	2.28	2.28	2.39	2.36	2.35	2.35	2.37	2.30			

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