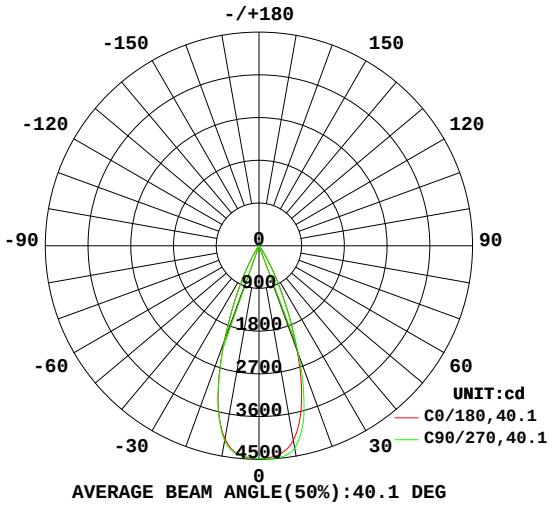
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

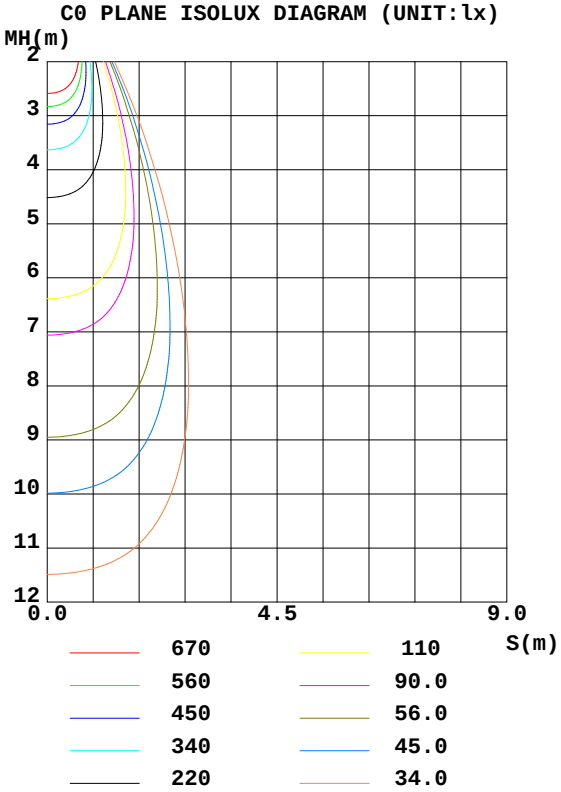
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 74.67 lm/W	
MODEL		Imax(cd)	4488	S/MH(C0/180)	0.60
NOMINAL POWER(W)	28	LOR(%)	94.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2059.6	η UP,DN(C0-180)	1.1,48.0
NOMINAL FLUX(lm)	2191.49	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,43.6
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	91.7	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):40.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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	4163	4294	4331	4243	4131	4110	4172	4170	0- 10	417.4	417.4	20.3,19
20	2355	2508	2433	2292	2139	2044	2106	2216	10- 20	925.9	1343	65.2,61.3
30	517.5	540.5	468.7	401.1	376.9	358.8	357.3	432.0	20- 30	533.9	1877	91.1,85.7
40	45.36	48.34	42.79	37.36	34.49	31.76	32.31	37.79	30- 40	96.87	1974	95.9,90.1
50	14.92	15.39	14.91	14.03	13.89	13.52	13.47	13.99	40- 50	16.91	1991	96.7,90.9
60	7.533	7.773	7.474	7.017	6.968	6.900	6.847	7.017	50- 60	9.143	2000	97.1,91.3
70	3.923	4.062	3.884	3.602	3.514	3.513	3.532	3.596	60- 70	5.219	2005	97.4,91.5
80	1.785	1.834	1.749	1.615	1.499	1.495	1.549	1.592	70- 80	2.731	2008	97.5,91.6
90	0.4516	0.4870	0.4542	0.4488	0.3865	0.3798	0.3911	0.3693	80- 90	1.043	2009	97.6,91.7
100	0.4636	0.4570	0.4594	0.4575	0.4658	0.4592	0.4684	0.4488	90-100	0.4705	2010	97.6,91.7
110	0.6397	0.6221	0.6312	0.6625	0.7446	0.7490	0.7098	0.6660	100-110	0.5601	2010	97.6,91.7
120	2.127	2.028	2.089	2.282	2.553	2.655	2.493	2.289	110-120	1.259	2011	97.7,91.8
130	7.012	6.745	6.935	7.351	7.755	8.071	7.834	7.379	120-130	4.017	2015	97.9,92
140	15.10	14.69	14.91	15.36	16.00	16.38	16.09	15.55	130-140	8.632	2024	98.3,92.4
150	24.10	23.59	23.77	24.24	24.94	25.24	25.04	24.58	140-150	12.48	2037	98.9,92.9
160	29.26	28.75	28.41	28.84	29.27	29.37	29.16	29.42	150-160	12.60	2049	99.5,93.5
170	26.74	26.29	25.76	25.68	26.32	25.89	26.39	26.40	160-170	7.991	2057	99.9,93.9
180	24.82	25.22	24.78	25.14	24.81	25.22	24.80	25.16	170-180	2.413	2060	100,94
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

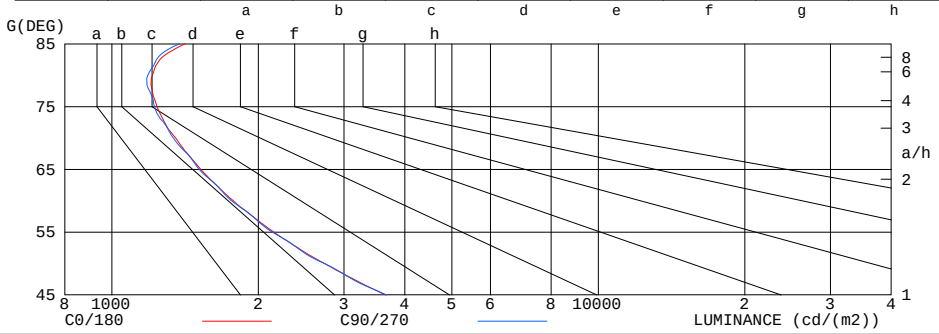
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: vM090	**TYPE:**	**WEIGHT:1**
SPEC.:BR 3000K 28W 90CRI 38D	**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	1414	1378
80	1212	1186
75	1238	1223
70	1352	1337
65	1522	1511
60	1775	1760
55	2152	2135
50	2736	2731
45	3648	3669

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

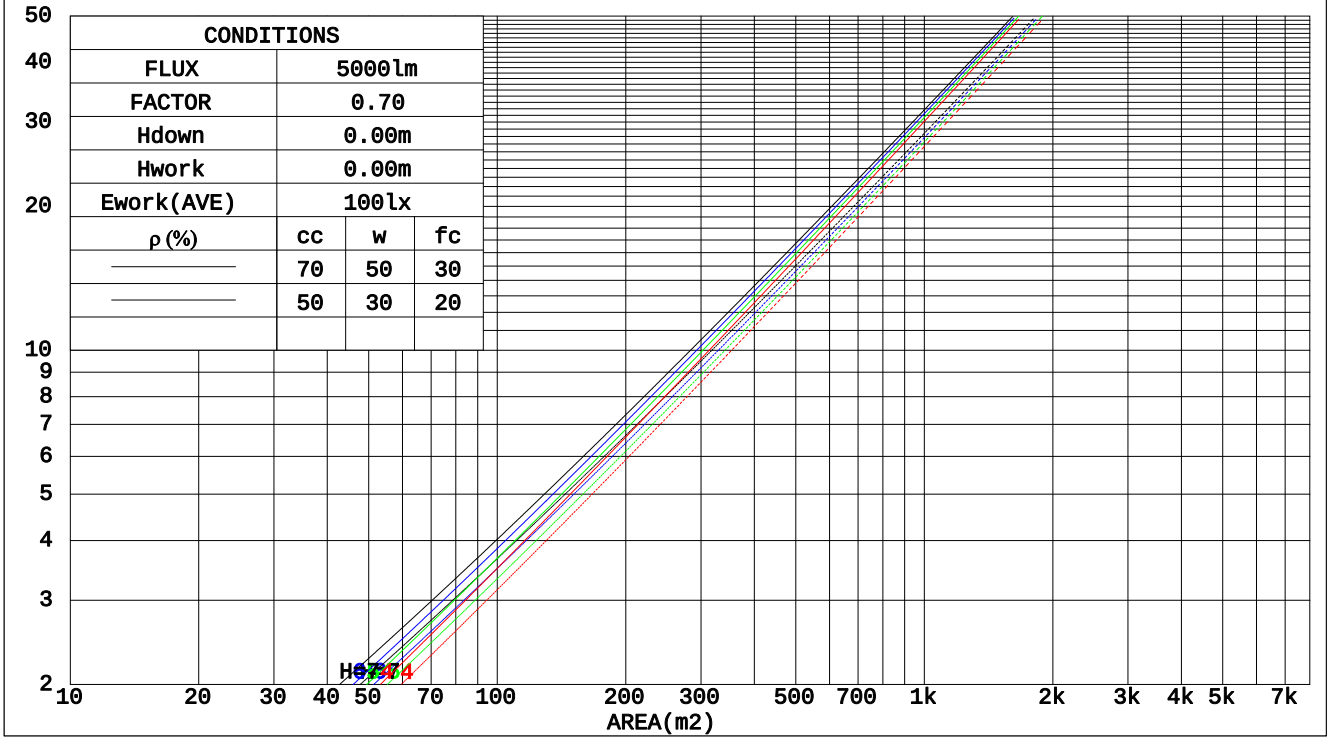
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 38D	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	1.03	1.03	1.03	.98	.98	.98	.94	.94	.94	.92
1.0	1.05	1.03	1.01	1.02	1.01	.99	.98	.97	.96	.94	.93	.92	.91	.90	.89	.88
2.0	.99	.96	.93	.97	.94	.92	.94	.92	.90	.91	.89	.87	.88	.86	.85	.84
3.0	.94	.90	.87	.92	.89	.86	.90	.87	.84	.87	.85	.83	.85	.83	.81	.80
4.0	.89	.85	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.82	.80	.78	.76
5.0	.85	.81	.77	.84	.80	.77	.82	.79	.76	.81	.78	.75	.79	.77	.74	.73
6.0	.81	.77	.74	.81	.76	.73	.79	.75	.73	.78	.74	.72	.76	.74	.71	.70
7.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.71	.69	.74	.71	.69	.67
8.0	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.71	.68	.66	.65
9.0	.72	.67	.64	.71	.67	.64	.70	.67	.64	.70	.66	.64	.69	.66	.63	.62
10.0	.69	.65	.62	.69	.65	.62	.68	.64	.62	.67	.64	.61	.66	.63	.61	.60

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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 38D	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	.145	.082	.026	.138	.078	.025	.125	.071	.023	.113	.065	.021	.102	.059	.019	
2.0	.135	.074	.023	.129	.071	.022	.118	.066	.020	.108	.061	.019	.099	.056	.018	
3.0	.127	.068	.020	.122	.065	.020	.113	.061	.019	.104	.057	.017	.096	.053	.016	
4.0	.120	.062	.018	.115	.060	.018	.107	.057	.017	.100	.054	.016	.093	.051	.015	
5.0	.113	.058	.017	.110	.056	.016	.103	.053	.016	.096	.051	.015	.090	.048	.014	
6.0	.108	.054	.015	.104	.053	.015	.098	.050	.015	.093	.048	.014	.087	.046	.014	
7.0	.103	.051	.014	.100	.050	.014	.094	.048	.014	.089	.046	.013	.084	.044	.013	
8.0	.098	.048	.013	.096	.047	.013	.091	.045	.013	.086	.044	.013	.082	.042	.012	
9.0	.094	.046	.013	.092	.045	.013	.087	.043	.012	.083	.042	.012	.079	.040	.012	
10.0	.090	.043	.012	.088	.043	.012	.084	.041	.012	.081	.040	.011	.077	.039	.011	

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	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.177	.166	.156	.151	.142	.134	.104	.098	.093	.060	.057	.054	.019	.018	.017	
2.0	.161	.142	.127	.138	.123	.110	.095	.085	.076	.055	.049	.045	.017	.016	.015	
3.0	.148	.124	.106	.127	.107	.092	.087	.075	.064	.050	.044	.038	.016	.014	.012	
4.0	.137	.110	.090	.118	.095	.078	.081	.066	.055	.047	.039	.033	.015	.013	.011	
5.0	.128	.099	.078	.110	.086	.068	.076	.060	.048	.044	.035	.028	.014	.011	.009	
6.0	.120	.090	.068	.103	.078	.059	.071	.055	.042	.041	.032	.025	.013	.010	.008	
7.0	.114	.083	.061	.098	.072	.053	.068	.050	.038	.039	.030	.022	.013	.010	.007	
8.0	.108	.076	.055	.093	.066	.048	.064	.047	.034	.037	.027	.020	.012	.009	.007	
9.0	.103	.071	.050	.089	.062	.044	.061	.044	.031	.036	.026	.018	.012	.008	.006	
10.0	.098	.067	.046	.085	.058	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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 38D	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	7.8	8.6	8.1	8.8	9.0	7.3	8.1	7.6	8.3	8.5
	3H	7.8	8.5	8.1	8.7	9.0	7.3	8.0	7.6	8.3	8.5
	4H	7.8	8.5	8.1	8.7	9.0	7.3	8.0	7.6	8.2	8.5
	6H	7.8	8.4	8.1	8.7	9.0	7.3	7.9	7.7	8.2	8.5
	8H	7.8	8.4	8.1	8.6	8.9	7.3	7.9	7.7	8.2	8.5
	12H	7.8	8.3	8.1	8.6	8.9	7.3	7.9	7.7	8.2	8.5
4H	2H	7.7	8.3	8.0	8.6	8.8	7.2	7.8	7.5	8.1	8.3
	3H	7.7	8.3	8.0	8.6	8.9	7.2	7.8	7.6	8.1	8.4
	4H	7.7	8.2	8.1	8.6	8.9	7.3	7.8	7.7	8.1	8.5
	6H	7.7	8.2	8.1	8.6	8.9	7.3	7.8	7.7	8.1	8.5
	8H	7.7	8.2	8.2	8.5	9.0	7.3	7.7	7.7	8.1	8.5
	12H	7.7	8.1	8.2	8.5	9.0	7.3	7.7	7.8	8.1	8.6
8H	4H	7.6	8.0	8.0	8.4	8.8	7.2	7.6	7.6	8.0	8.4
	6H	7.7	8.0	8.1	8.5	8.9	7.3	7.6	7.7	8.0	8.5
	8H	7.7	8.0	8.2	8.5	9.0	7.3	7.6	7.8	8.1	8.6
	12H	7.7	8.0	8.3	8.5	9.0	7.4	7.6	7.9	8.1	8.6
12H	4H	7.6	8.0	8.0	8.4	8.8	7.1	7.5	7.6	7.9	8.4
	6H	7.6	7.9	8.1	8.4	8.9	7.2	7.5	7.7	8.0	8.5
	8H	7.7	8.0	8.2	8.4	9.0	7.3	7.6	7.8	8.0	8.6

Variations with the observer position at spacings:		
S = 1.0H	+ 2.4 / - 2.4	+ 2.0 / - 2.2
1.5H	+ 4.3 / - 2.0	+ 3.7 / - 1.8
2.0H	+ 1.4 / - 0.8	+ 1.4 / - 0.9

CIE Pub.117, 2191 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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 38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

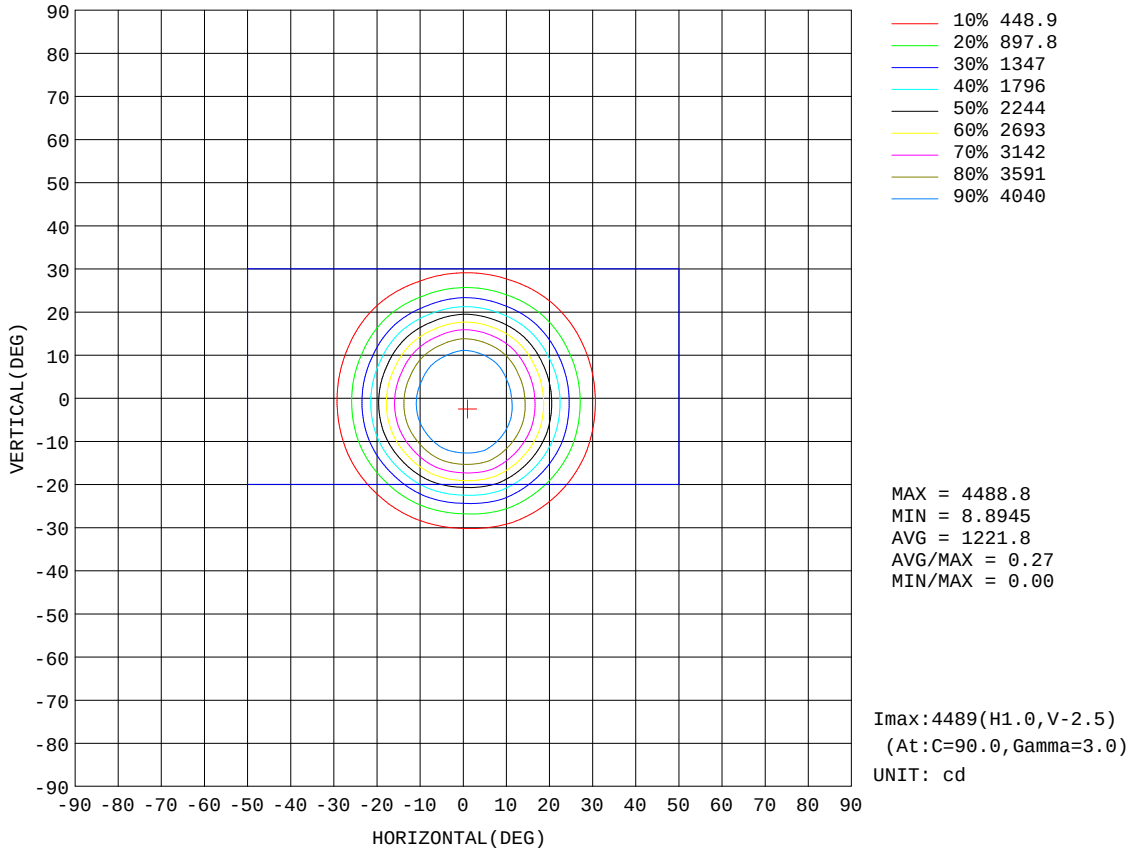
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	84	78	75	83	78	75	82	77	75	71
0.80	90	85	82	90	85	82	88	84	81	78
1.00	94	89	86	93	89	86	91	88	85	81
1.25	97	93	90	96	92	89	94	91	88	84
1.50	100	96	93	98	95	92	96	93	91	86
2.00	102	98	95	100	97	95	98	95	93	88
2.50	103	100	97	102	99	96	99	96	94	88
3.00	105	102	99	103	100	98	99	97	96	89
4.00	107	104	102	105	103	101	101	99	98	91
5.00	108	106	104	106	104	103	102	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:HTJ
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 38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



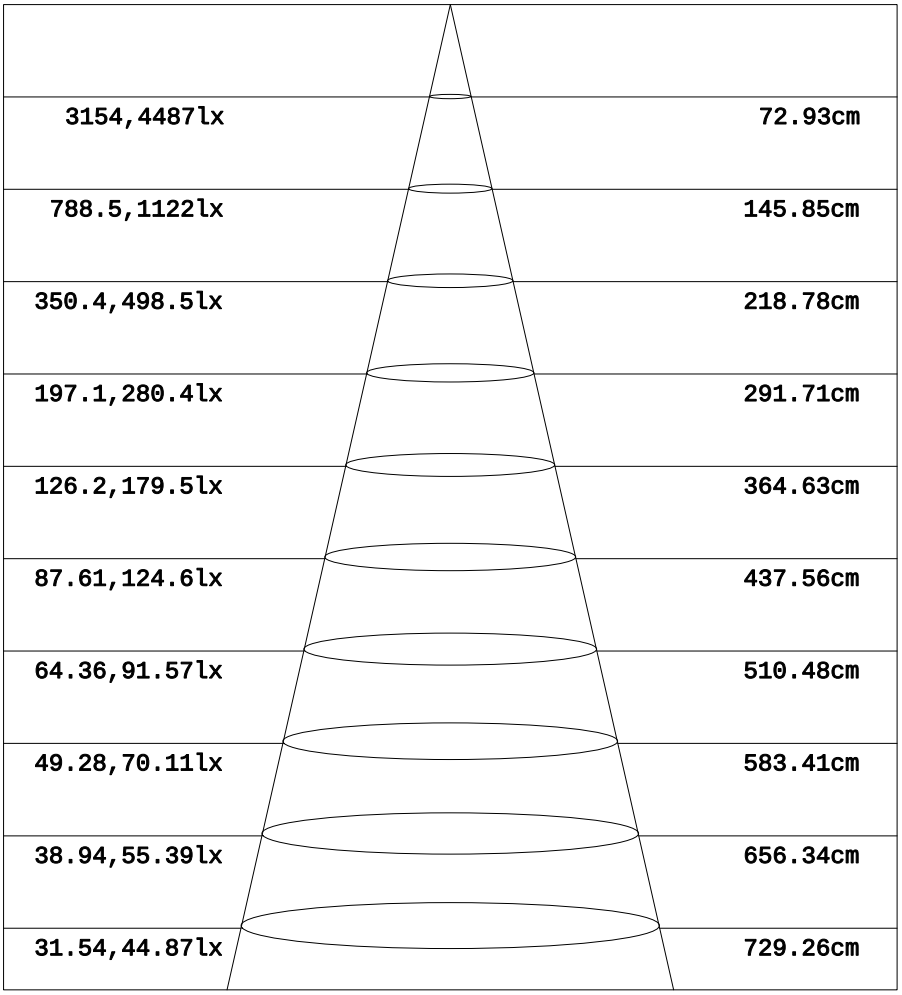
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

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 38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1385 lm



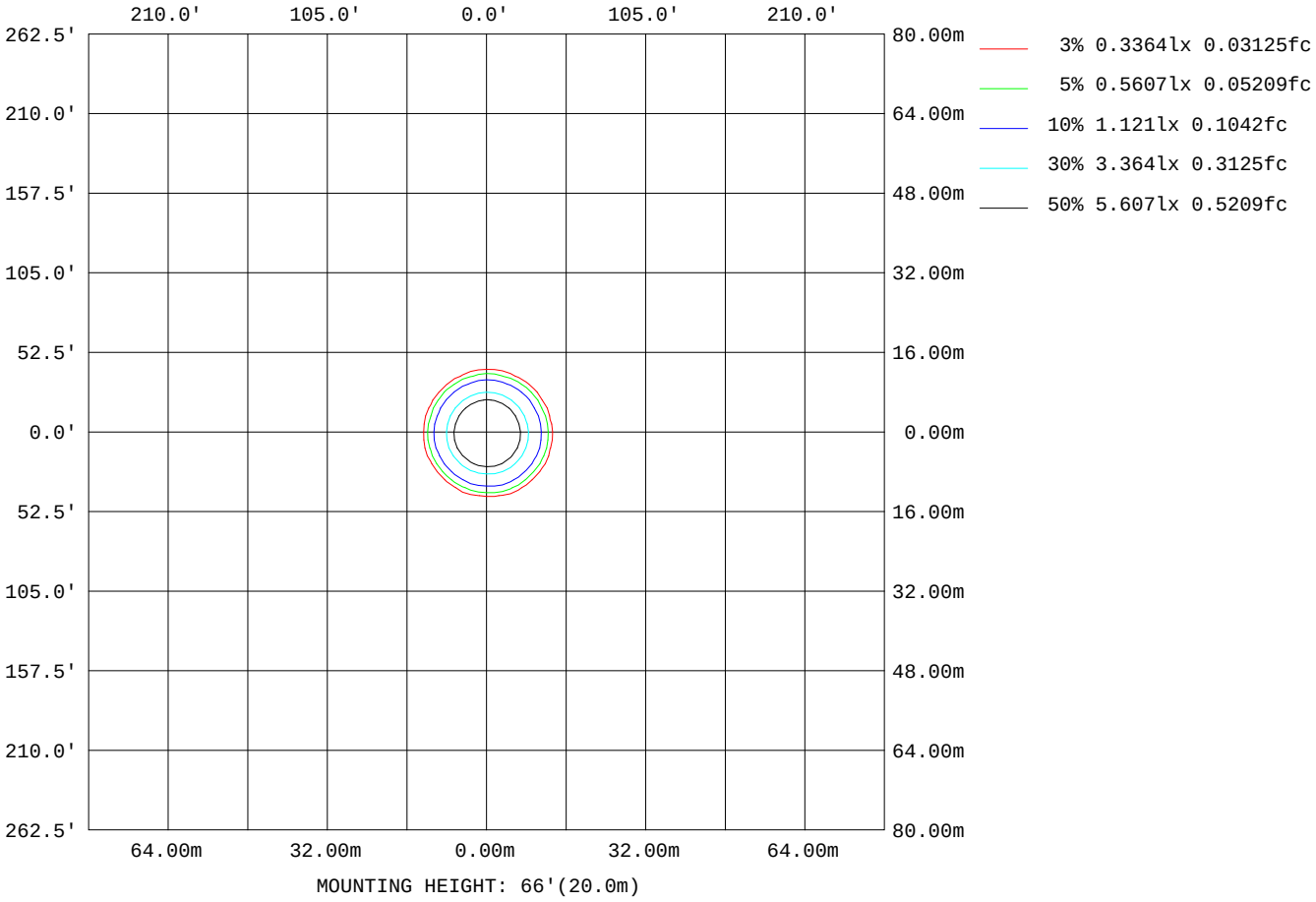
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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 38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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 38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

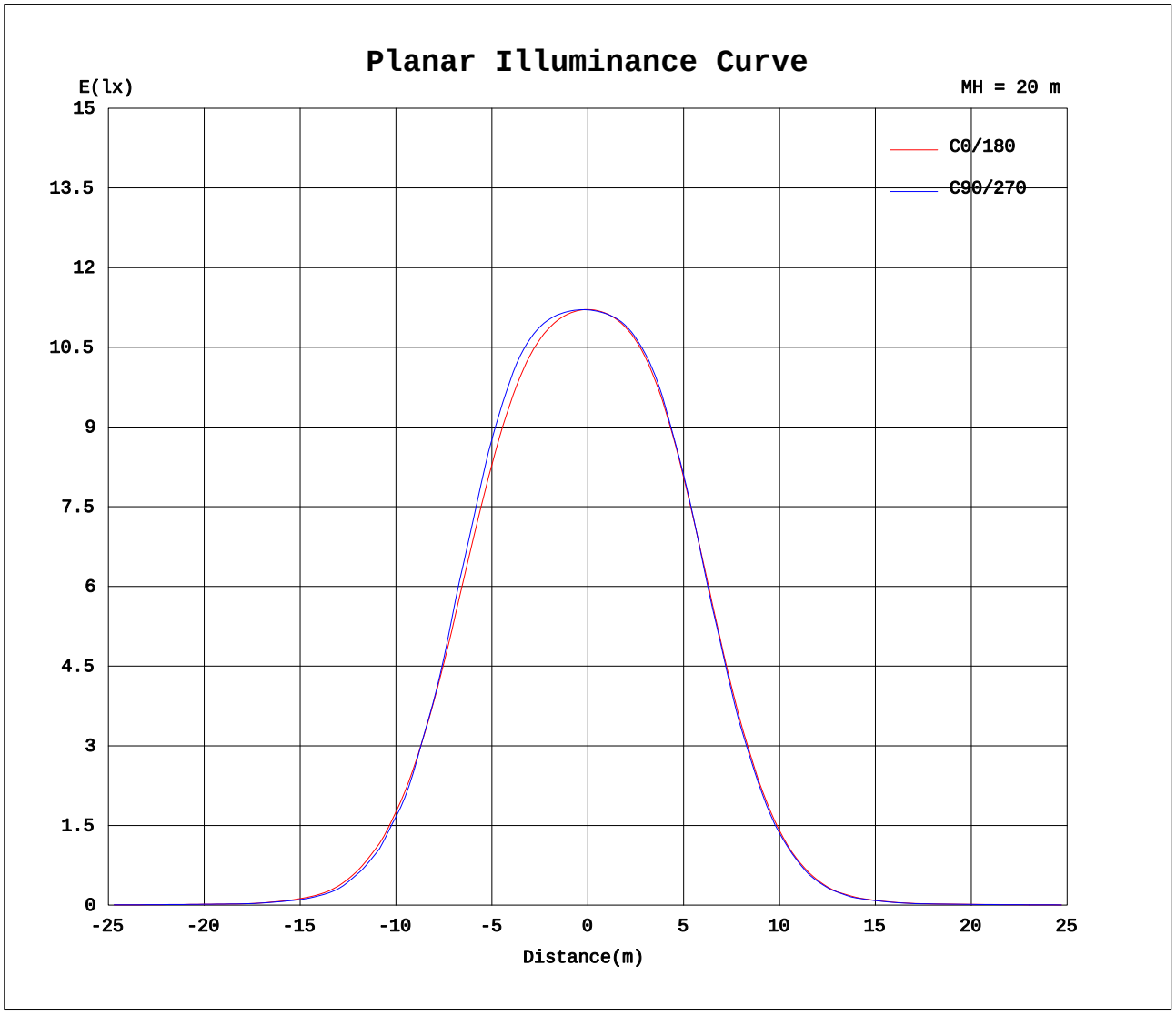
AvgL	cd/m2
L_0~180(65)av	1454
L_0~180(75)av	1162
L_0~180(85)av	1257
L_90~270(65)av	1444
L_90~270(75)av	1165
L_90~270(85)av	1258
L_45(65)av	1443
L_45(75)av	1156
L_45(85)av	1248

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
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:HTJ
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 38D	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	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482	4482			
5	4430	4450	4468	4483	4484	4477	4459	4443	4430	4418	4425	4431	4443	4441	4438	4428			
10	4163	4234	4294	4344	4331	4308	4243	4189	4131	4088	4110	4117	4172	4162	4170	4145			
15	3457	3572	3645	3726	3664	3620	3508	3437	3334	3240	3255	3248	3352	3346	3394	3389			
20	2355	2469	2508	2566	2433	2405	2292	2243	2139	2033	2044	2012	2106	2124	2216	2250			
25	1255	1338	1326	1350	1204	1190	1111	1103	1046	985	993	957	1011	1042	1129	1175			
30	517	545	541	532	469	442	401	400	377	353	359	337	357	381	432	470			
35	150	165	156	156	132	127	111	112	108	103	105	97.3	101	107	125	133			
40	45.4	49.8	48.3	47.6	42.8	40.5	37.4	36.9	34.5	31.9	31.8	30.4	32.3	34.0	37.8	40.3			
45	21.9	22.5	22.6	22.8	22.0	21.4	20.8	20.9	20.4	19.9	19.7	19.2	19.7	20.1	20.6	21.0			
50	14.9	15.3	15.4	15.5	14.9	14.5	14.0	14.1	13.9	13.6	13.5	13.2	13.5	13.6	14.0	14.3			
55	10.5	10.8	10.8	10.9	10.4	10.1	9.81	9.85	9.74	9.60	9.58	9.37	9.53	9.58	9.79	10.00			
60	7.53	7.78	7.77	7.84	7.47	7.28	7.02	7.05	6.97	6.88	6.90	6.76	6.85	6.87	7.02	7.17			
65	5.46	5.64	5.64	5.68	5.42	5.25	5.07	5.06	4.98	4.94	4.96	4.89	4.94	4.96	5.04	5.18			
70	3.92	4.06	4.06	4.08	3.88	3.77	3.60	3.60	3.51	3.46	3.51	3.46	3.53	3.51	3.60	3.67			
75	2.72	2.82	2.80	2.83	2.69	2.61	2.49	2.48	2.39	2.34	2.39	2.36	2.43	2.42	2.48	2.52			
80	1.79	1.85	1.83	1.84	1.75	1.70	1.62	1.60	1.50	1.46	1.49	1.49	1.55	1.55	1.59	1.63			
85	1.05	1.09	1.08	1.09	1.02	0.99	0.93	0.91	0.82	0.78	0.79	0.80	0.84	0.85	0.88	0.91			
90	0.45	0.48	0.49	0.50	0.45	0.44	0.45	0.42	0.39	0.38	0.38	0.38	0.39	0.38	0.37	0.37			
95	0.45	0.46	0.45	0.46	0.45	0.46	0.45	0.46	0.42	0.41	0.42	0.41	0.43	0.39	0.41	0.39			
100	0.46	0.48	0.46	0.48	0.46	0.48	0.46	0.48	0.47	0.45	0.46	0.45	0.47	0.45	0.45	0.44			
105	0.51	0.52	0.50	0.52	0.49	0.51	0.50	0.53	0.54	0.51	0.53	0.51	0.53	0.49	0.50	0.49			
110	0.64	0.65	0.62	0.63	0.63	0.65	0.66	0.69	0.74	0.74	0.75	0.73	0.71	0.67	0.67	0.65			
115	1.08	1.04	1.04	1.01	1.05	1.08	1.16	1.19	1.31	1.37	1.34	1.34	1.24	1.20	1.14	1.13			
120	2.13	2.04	2.03	2.00	2.09	2.14	2.28	2.35	2.55	2.67	2.65	2.66	2.49	2.40	2.29	2.25			
125	4.09	3.90	3.90	3.84	4.03	4.09	4.35	4.39	4.69	4.90	4.90	4.94	4.69	4.57	4.35	4.29			
130	7.01	6.78	6.74	6.69	6.93	7.04	7.35	7.41	7.75	8.04	8.07	8.14	7.83	7.68	7.38	7.27			
135	10.8	10.5	10.4	10.3	10.7	10.8	11.1	11.2	11.6	11.9	12.0	12.0	11.7	11.5	11.2	11.1			
140	15.1	14.8	14.7	14.6	14.9	15.1	15.4	15.6	16.0	16.4	16.4	16.5	16.1	15.9	15.5	15.4			
145	19.7	19.3	19.2	19.1	19.4	19.6	19.9	20.1	20.6	21.0	21.0	21.1	20.7	20.5	20.2	20.0			
150	24.1	23.7	23.6	23.5	23.8	23.9	24.2	24.4	24.9	25.2	25.2	25.3	25.0	24.8	24.6	24.4			
155	27.6	27.2	27.1	26.9	27.1	27.2	27.5	27.6	28.0	28.2	28.3	28.3	28.2	28.1	28.0	27.9			
160	29.3	29.0	28.7	28.5	28.4	28.4	28.8	29.0	29.3	29.5	29.4	29.0	29.2	29.2	29.4	29.4			
165	28.8	28.5	28.2	28.0	27.7	27.6	27.9	28.3	28.6	28.5	28.2	27.9	28.1	28.4	28.5	28.7			
170	26.7	26.4	26.3	26.3	25.8	25.6	25.7	26.0	26.3	26.2	25.9	25.7	26.4	26.5	26.4	26.4			
175	25.0	24.9	25.2	24.9	24.4	24.3	24.8	24.7	24.7	25.1	25.1	24.7	24.8	25.3	25.4	25.0			
180	24.8	24.8	25.2	24.9	24.8	24.9	25.1	24.7	24.8	24.8	25.2	24.9	24.8	24.9	25.2	24.7			

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