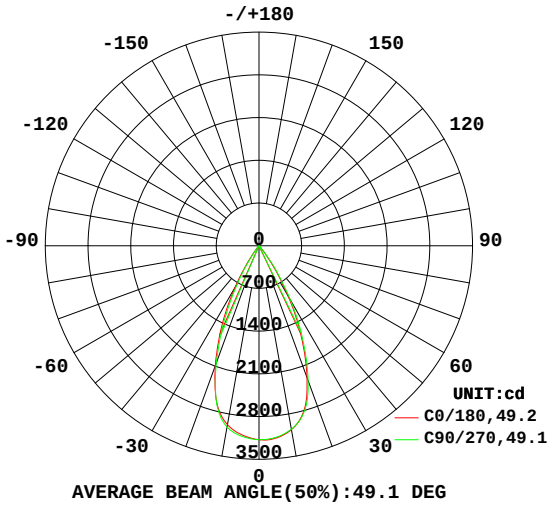
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 28W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

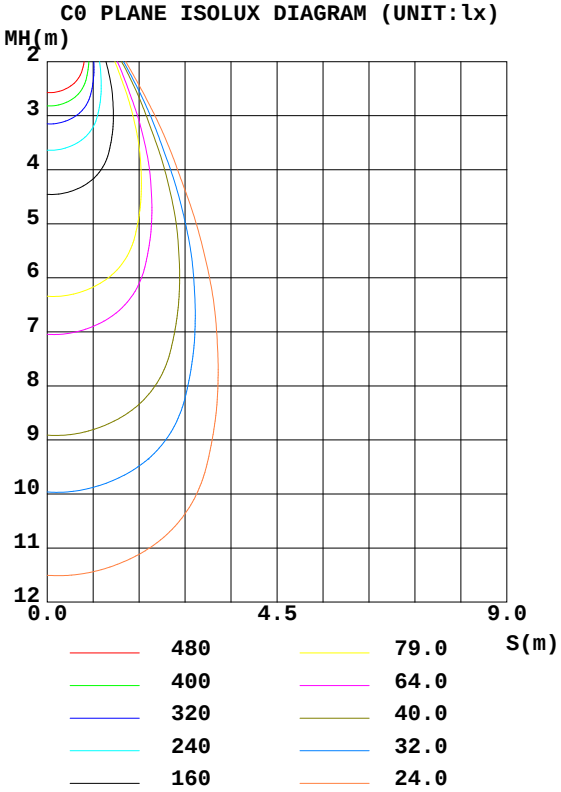
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 75.41 lm/W	
MODEL		Imax(cd)	3187	S/MH(C0/180)	0.73
NOMINAL POWER(W)	28	LOR(%)	83.2	S/MH(C90/270)	0.71
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2077.7	η UP,DN(C0-180)	1.0,43.4
NOMINAL FLUX(lm)	2498.23	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.0,37.7
LAMPS INSIDE	1	η up(%)	2.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	81.1	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):49.1 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:

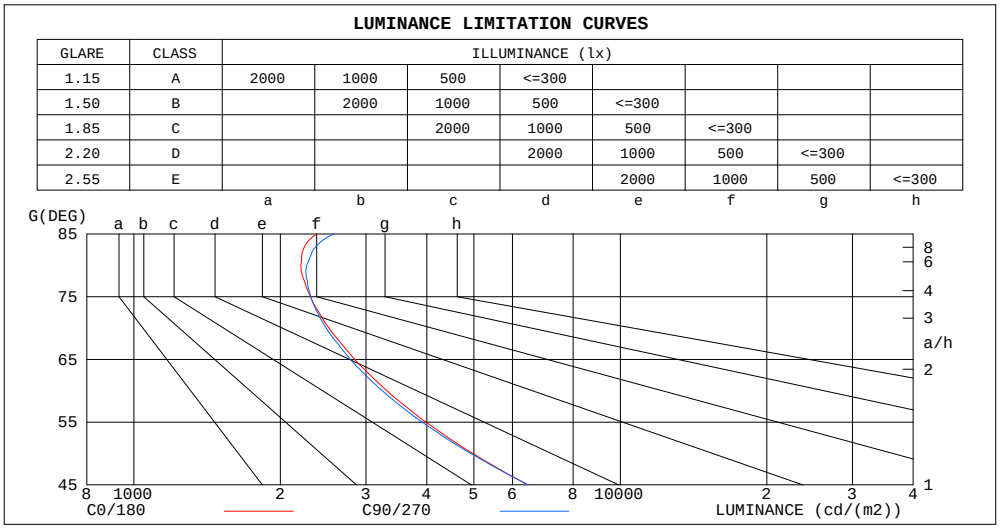
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3061	3086	3052	2994	2977	3006	3015	3010	0- 10	296.3	296.3	14.3,11.9
20	2301	2386	2352	2222	2096	2063	2051	2120	10- 20	752.4	1049	50.5,42
30	969.4	1042	1046	945.1	767.5	682.3	672.6	785.4	20- 30	689.0	1738	83.6,69.6
40	83.34	100.1	101.2	65.06	48.80	46.67	46.69	55.56	30- 40	227.8	1965	94.6,78.7
50	27.17	27.06	26.91	25.54	24.00	23.01	22.57	25.25	40- 50	29.22	1995	96,79.8
60	14.08	14.01	13.76	13.27	12.64	12.11	11.80	13.01	50- 60	16.40	2011	96.8,80.5
70	7.317	7.413	7.214	6.925	6.513	6.170	6.029	6.625	60- 70	9.525	2021	97.3,80.9
80	3.253	3.452	3.342	3.061	2.664	2.425	2.405	2.736	70- 80	4.968	2026	97.5,81.1
90	0.5572	0.7381	0.7246	0.4706	0.4156	0.4066	0.4132	0.3953	80- 90	1.714	2027	97.6,81.1
100	0.5148	0.4926	0.4926	0.5011	0.5130	0.5106	0.5194	0.4903	90-100	0.5056	2028	97.6,81.2
110	0.9559	0.8782	0.8826	0.9857	1.164	1.223	1.232	1.101	100-110	0.7255	2029	97.6,81.2
120	3.183	2.952	2.943	3.268	3.761	3.961	3.948	3.605	110-120	2.020	2031	97.7,81.3
130	7.979	7.607	7.631	8.151	8.891	9.270	9.208	8.596	120-130	5.094	2036	98,81.5
140	14.79	14.27	14.25	14.88	15.88	16.32	16.25	15.50	130-140	9.001	2045	98.4,81.8
150	21.91	21.37	21.34	21.90	22.74	23.20	23.13	22.55	140-150	11.76	2056	99,82.3
160	26.57	25.80	25.49	25.82	26.70	26.67	26.58	26.40	150-160	11.34	2068	99.5,82.8
170	26.68	26.09	25.78	25.78	26.55	26.32	26.35	26.26	160-170	7.472	2075	99.9,83.1
180	26.93	27.15	26.88	27.01	26.93	27.16	26.89	27.00	170-180	2.517	2078	100,83.2
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 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2377	2577
80	2205	2266
75	2306	2311
70	2518	2484
65	2843	2786
60	3314	3239
55	3984	3914
50	4975	4929
45	6464	6454

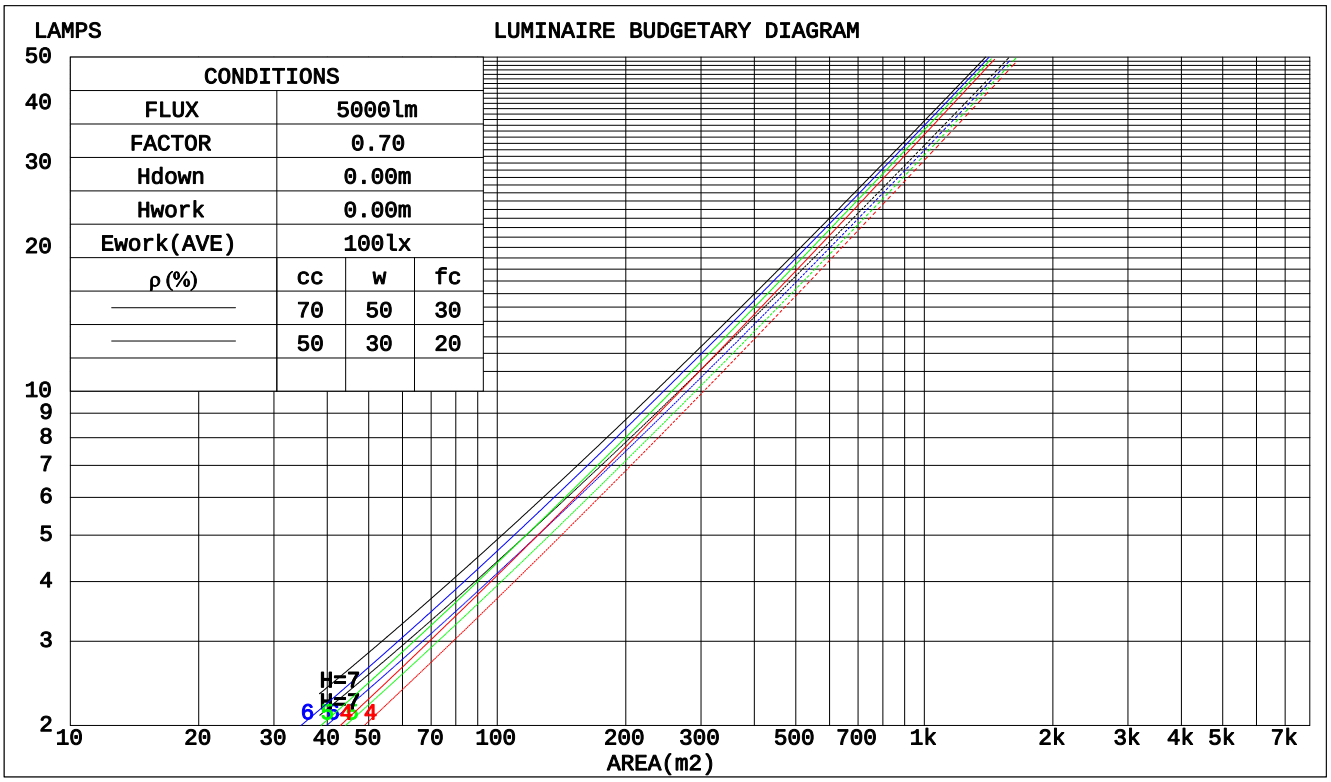
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

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 55D	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	.99	.99	.99	.96	.96	.96	.91	.91	.91	.87	.87	.87	.83	.83	.83	.81
1.0	.92	.90	.88	.90	.88	.87	.86	.85	.84	.83	.82	.81	.80	.79	.78	.77
2.0	.86	.83	.81	.85	.82	.80	.82	.80	.78	.79	.77	.76	.76	.75	.74	.72
3.0	.81	.77	.74	.80	.76	.74	.77	.75	.72	.75	.73	.71	.73	.71	.70	.68
4.0	.77	.72	.69	.76	.72	.69	.74	.70	.68	.72	.69	.67	.70	.68	.66	.65
5.0	.72	.68	.65	.72	.67	.64	.70	.66	.64	.68	.65	.63	.67	.64	.62	.61
6.0	.69	.64	.61	.68	.64	.61	.67	.63	.60	.65	.62	.60	.64	.61	.59	.58
7.0	.65	.61	.58	.65	.60	.57	.63	.60	.57	.62	.59	.56	.61	.58	.56	.55
8.0	.62	.58	.54	.61	.57	.54	.60	.57	.54	.59	.56	.54	.59	.56	.53	.52
9.0	.59	.55	.52	.59	.54	.52	.58	.54	.51	.57	.53	.51	.56	.53	.51	.50
10.0	.56	.52	.49	.56	.52	.49	.55	.51	.49	.54	.51	.49	.54	.51	.48	.47



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 55D	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	.139	.079	.025	.133	.076	.024	.121	.070	.022	.111	.064	.020	.101	.058	.019	
2.0	.131	.072	.022	.126	.069	.021	.116	.065	.020	.107	.060	.019	.099	.056	.018	
3.0	.124	.066	.020	.119	.064	.019	.111	.060	.018	.103	.057	.017	.096	.053	.016	
4.0	.117	.061	.018	.114	.059	.018	.106	.056	.017	.100	.053	.016	.093	.051	.015	
5.0	.112	.057	.016	.108	.056	.016	.102	.053	.016	.096	.051	.015	.090	.048	.015	
6.0	.106	.053	.015	.103	.052	.015	.098	.050	.015	.092	.048	.014	.088	.046	.014	
7.0	.101	.050	.014	.099	.049	.014	.094	.047	.014	.089	.046	.013	.085	.044	.013	
8.0	.097	.047	.013	.095	.047	.013	.090	.045	.013	.086	.044	.013	.082	.042	.012	
9.0	.093	.045	.013	.091	.044	.012	.087	.043	.012	.083	.042	.012	.080	.040	.012	
10.0	.089	.043	.012	.087	.042	.012	.084	.041	.012	.080	.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	.174	.174	.174	.149	.149	.149	.101	.101	.101	.058	.058	.058	.019	.019	.019	
1.0	.157	.146	.137	.135	.126	.118	.092	.086	.081	.053	.050	.047	.017	.016	.015	
2.0	.144	.126	.111	.123	.108	.096	.085	.075	.067	.049	.044	.039	.016	.014	.013	
3.0	.133	.110	.092	.114	.095	.080	.078	.066	.056	.045	.039	.033	.015	.013	.011	
4.0	.124	.098	.078	.106	.084	.067	.073	.059	.047	.042	.034	.028	.014	.011	.009	
5.0	.116	.088	.067	.100	.076	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008	
6.0	.110	.080	.059	.095	.069	.051	.065	.049	.036	.038	.029	.021	.012	.009	.007	
7.0	.104	.074	.052	.090	.064	.046	.062	.045	.032	.036	.026	.019	.012	.009	.006	
8.0	.100	.068	.047	.086	.059	.041	.059	.042	.029	.034	.025	.017	.011	.008	.006	
9.0	.095	.064	.043	.082	.056	.038	.057	.039	.027	.033	.023	.016	.011	.008	.005	
10.0	.091	.060	.040	.079	.052	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	

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 55D	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	13.2	14.0	13.4	14.2	14.4	13.6	14.4	13.8	14.6	14.8
	3H	13.1	13.9	13.4	14.1	14.4	13.5	14.2	13.7	14.5	14.7
	4H	13.1	13.8	13.4	14.1	14.3	13.4	14.1	13.7	14.4	14.7
	6H	13.0	13.7	13.4	14.0	14.3	13.4	14.0	13.7	14.3	14.6
	8H	13.0	13.7	13.3	13.9	14.3	13.3	14.0	13.7	14.3	14.6
	12H	13.0	13.6	13.3	13.9	14.2	13.3	13.9	13.7	14.2	14.6
4H	2H	13.0	13.7	13.3	14.0	14.2	13.3	14.1	13.6	14.3	14.6
	3H	12.9	13.6	13.3	13.9	14.2	13.3	13.9	13.6	14.2	14.5
	4H	12.9	13.5	13.3	13.8	14.2	13.2	13.8	13.6	14.1	14.5
	6H	12.9	13.4	13.3	13.8	14.2	13.2	13.7	13.6	14.1	14.5
	8H	12.9	13.3	13.3	13.7	14.1	13.2	13.7	13.6	14.1	14.5
	12H	12.8	13.3	13.3	13.7	14.1	13.2	13.6	13.6	14.0	14.5
8H	4H	12.8	13.3	13.2	13.7	14.1	13.1	13.6	13.6	14.0	14.4
	6H	12.8	13.2	13.3	13.6	14.1	13.1	13.5	13.6	13.9	14.4
	8H	12.8	13.1	13.3	13.6	14.1	13.1	13.5	13.6	13.9	14.4
	12H	12.8	13.1	13.3	13.6	14.1	13.1	13.4	13.6	13.9	14.4
12H	4H	12.7	13.2	13.2	13.6	14.0	13.1	13.5	13.5	13.9	14.4
	6H	12.8	13.1	13.2	13.6	14.0	13.1	13.4	13.6	13.9	14.4
	8H	12.8	13.1	13.3	13.5	14.1	13.1	13.4	13.6	13.9	14.4
Variations with the observer position at spacings:											
S = 1.0H		+ 3.1 / - 3.3					+ 3.6 / - 3.9				
1.5H		+ 5.3 / - 2.8					+ 5.9 / - 3.4				
2.0H		+ 1.2 / - 0.7					+ 1.2 / - 0.8				

CIE Pub.117, 2498 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.2)

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 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

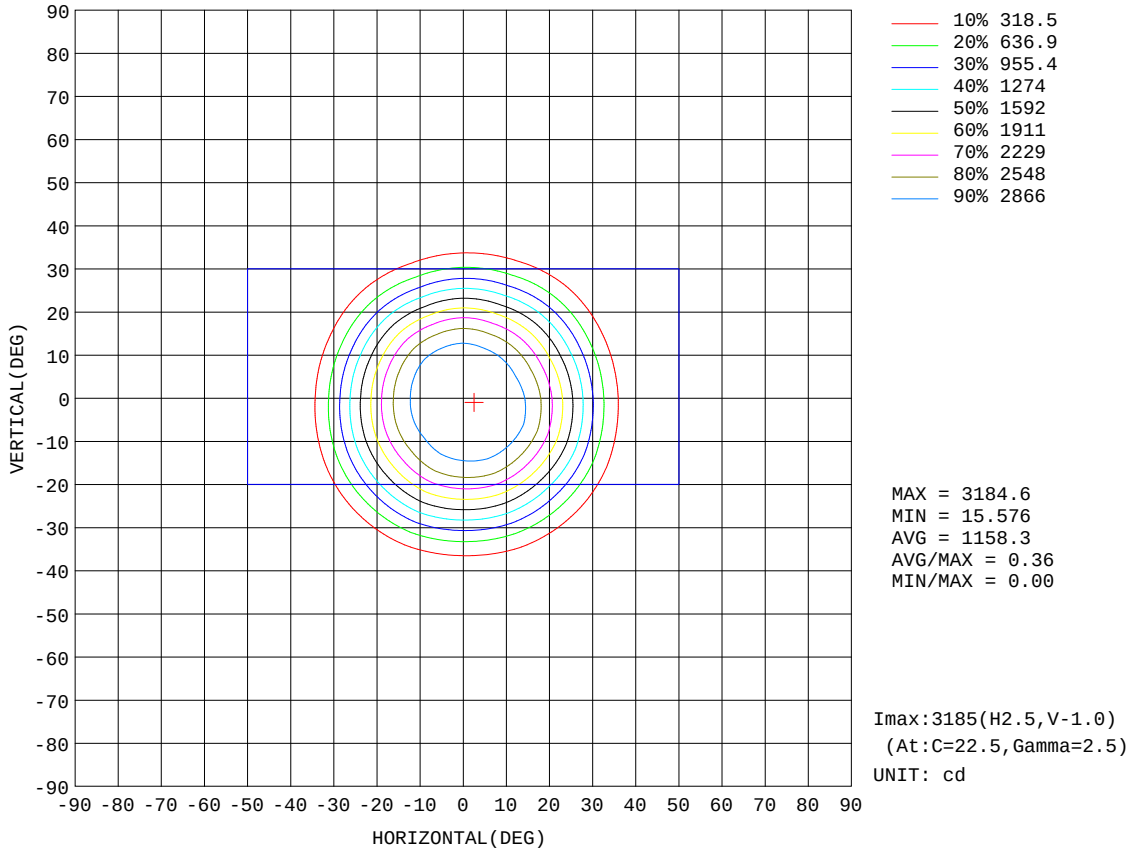
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	73	68	65	73	68	65	72	68	65	62
0.80	79	75	72	79	74	72	78	74	71	68
1.00	83	78	75	82	78	75	80	77	74	71
1.25	86	82	79	85	81	78	83	80	78	74
1.50	88	84	81	87	83	81	85	82	80	76
2.00	90	87	84	89	86	83	86	84	82	77
2.50	91	88	86	90	87	85	87	85	83	78
3.00	93	90	88	91	89	87	88	86	84	79
4.00	94	92	90	92	91	89	89	88	86	80
5.00	95	94	92	93	92	91	90	89	88	81
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 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



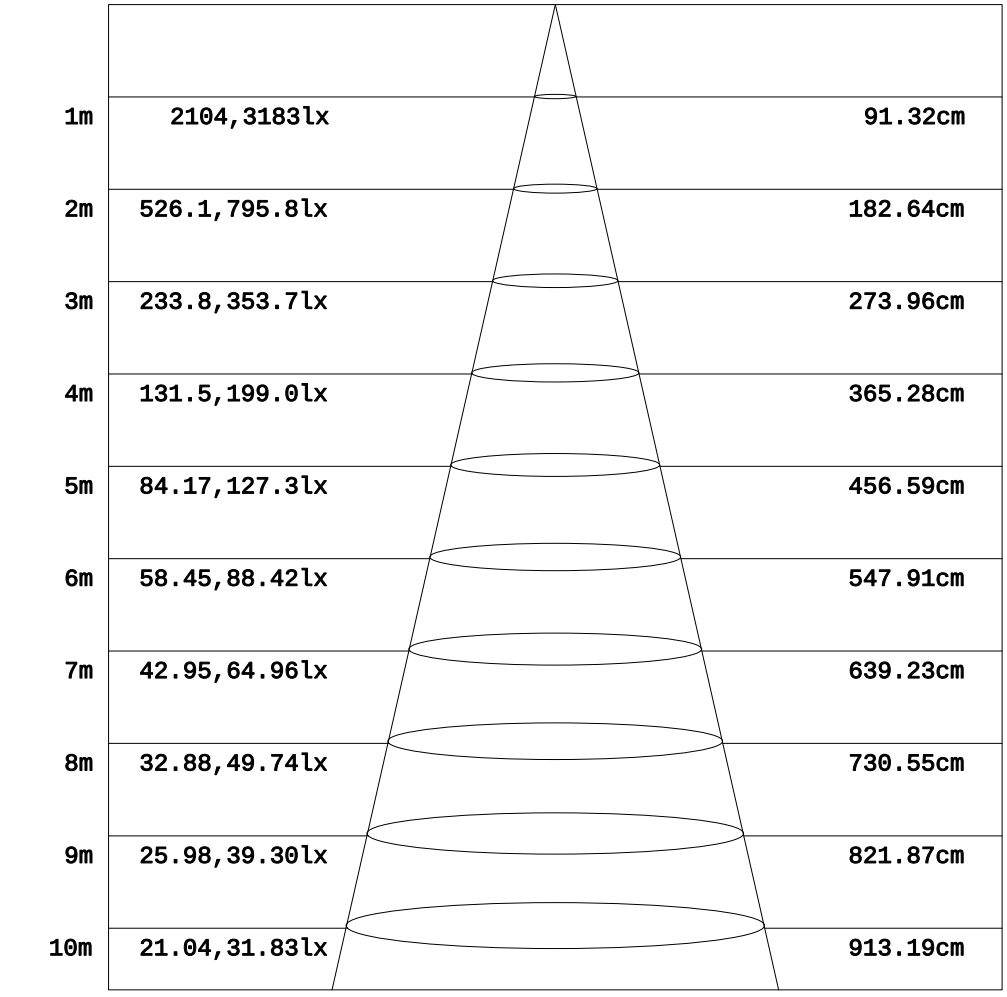
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

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 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1438 lm



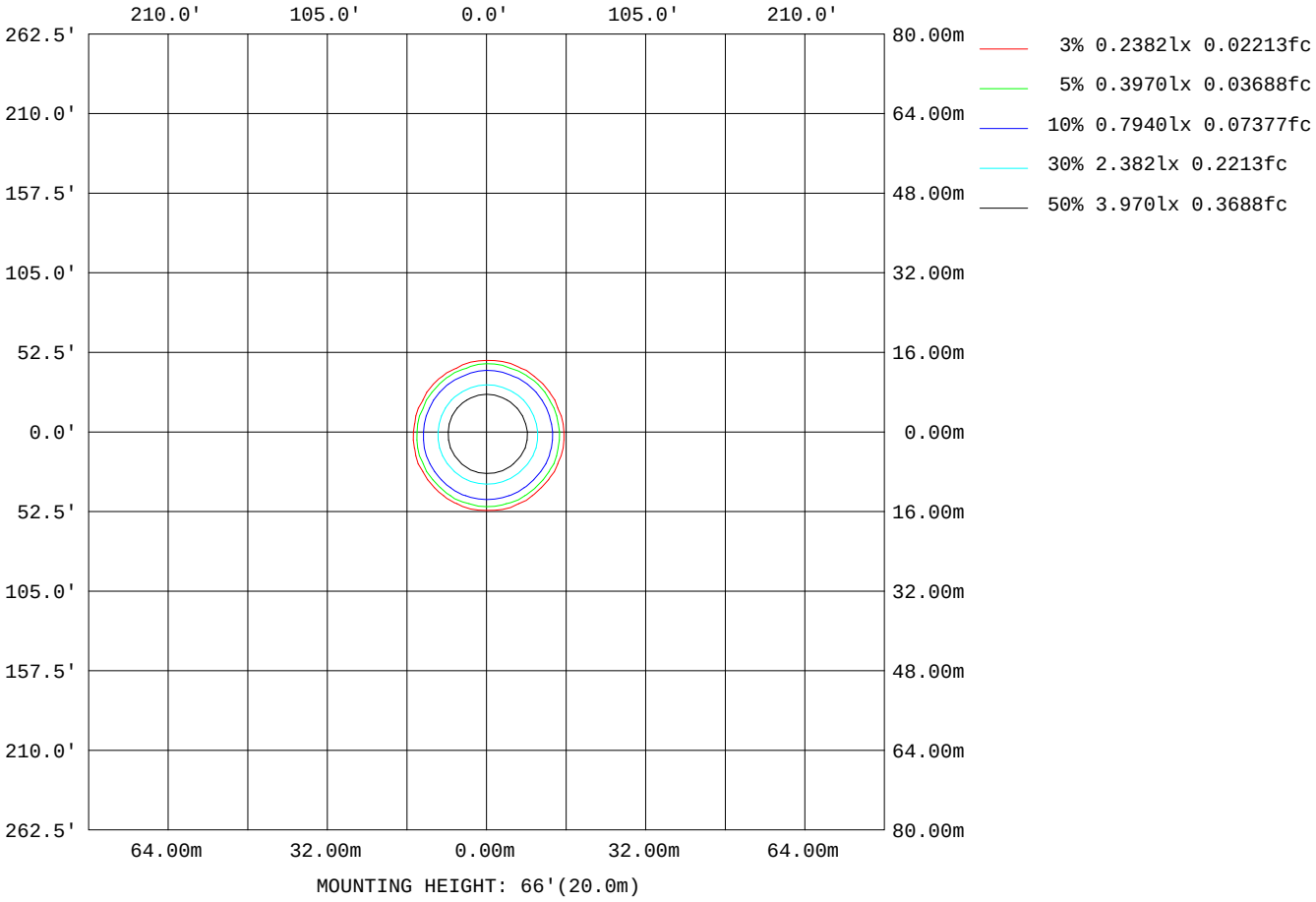
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 55D	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 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

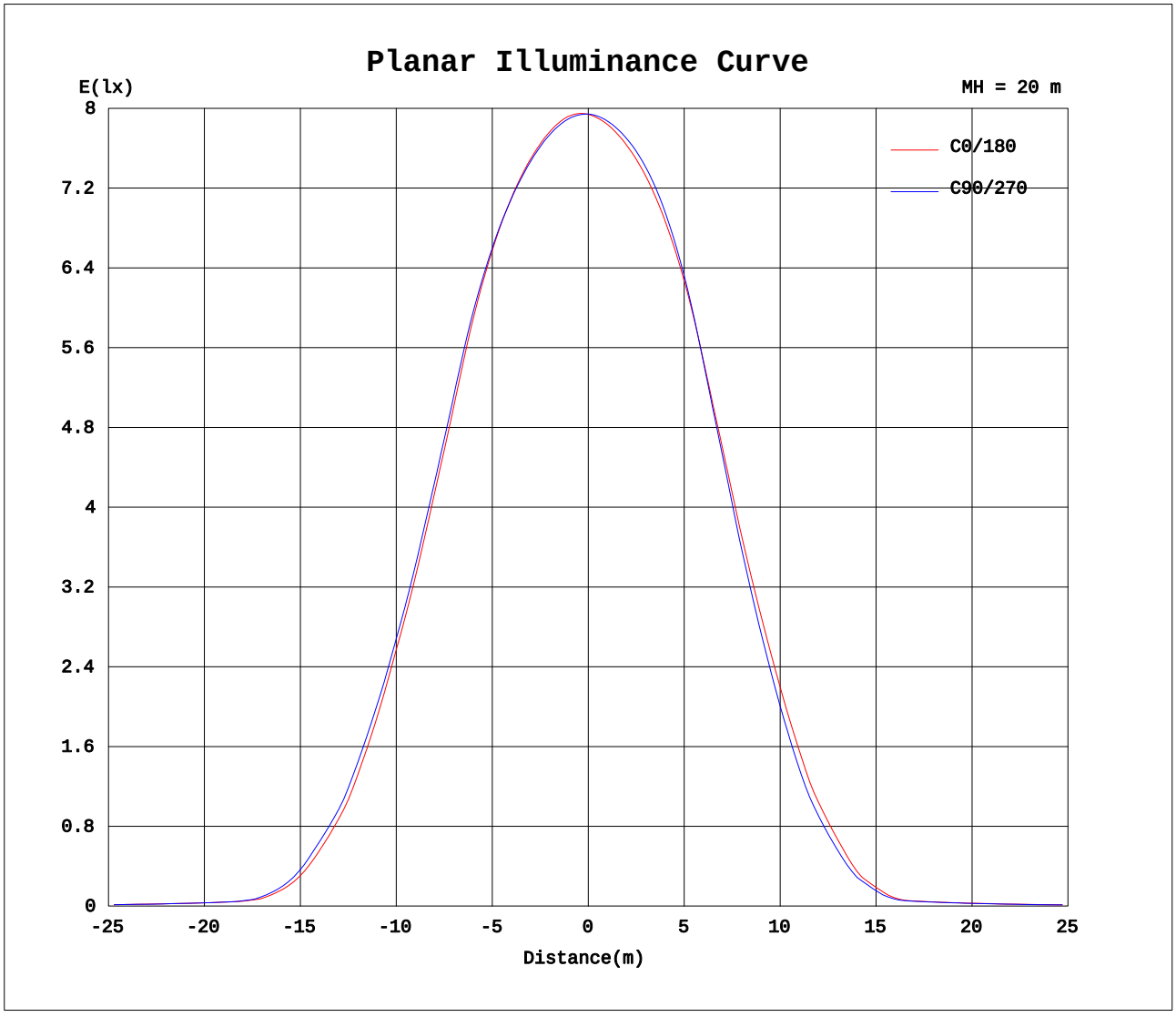
AvgL	cd/m2
L_0~180(65)av	2700
L_0~180(75)av	2151
L_0~180(85)av	2073
L_90~270(65)av	2582
L_90~270(75)av	2072
L_90~270(85)av	2042
L_45(65)av	2647
L_45(75)av	2118
L_45(85)av	2057

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 55D	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	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178	3178			
5	3165	3174	3171	3167	3152	3140	3125	3120	3115	3117	3127	3131	3137	3136	3143	3148			
10	3061	3090	3086	3079	3052	3030	2994	2984	2977	2987	3006	3007	3015	3001	3010	3018			
15	2819	2882	2879	2875	2836	2801	2731	2699	2670	2662	2681	2661	2681	2665	2700	2732			
20	2301	2389	2386	2399	2352	2323	2222	2163	2096	2057	2063	2018	2051	2043	2120	2178			
25	1642	1731	1716	1737	1702	1693	1599	1530	1438	1375	1357	1305	1341	1350	1449	1522			
30	969	1052	1042	1070	1046	1040	945	868	767	704	682	636	673	689	785	856			
35	407	458	461	483	471	455	381	325	255	211	203	187	211	230	289	333			
40	83.3	100	100	114	101	93.4	65.1	54.6	48.8	47.0	46.7	45.5	46.7	52.8	55.6	69.8			
45	38.8	39.3	38.8	39.8	38.8	38.0	36.4	35.4	33.9	32.7	32.4	31.6	32.2	33.4	36.1	37.5			
50	27.2	27.4	27.1	27.6	26.9	26.5	25.5	24.9	24.0	23.2	23.0	22.3	22.6	23.4	25.3	26.2			
55	19.4	19.6	19.3	19.5	19.1	18.8	18.3	17.9	17.3	16.8	16.6	16.1	16.3	16.8	18.0	18.7			
60	14.1	14.3	14.0	14.1	13.8	13.6	13.3	13.1	12.6	12.2	12.1	11.7	11.8	12.1	13.0	13.5			
65	10.2	10.4	10.2	10.3	10.00	9.89	9.66	9.51	9.17	8.85	8.74	8.48	8.53	8.75	9.35	9.75			
70	7.32	7.53	7.41	7.46	7.21	7.15	6.92	6.82	6.51	6.23	6.17	5.96	6.03	6.16	6.62	6.89			
75	5.07	5.27	5.23	5.25	5.08	4.99	4.80	4.68	4.38	4.15	4.10	3.97	4.03	4.14	4.48	4.70			
80	3.25	3.45	3.45	3.47	3.34	3.25	3.06	2.93	2.66	2.49	2.42	2.35	2.41	2.50	2.74	2.93			
85	1.76	1.96	1.98	2.03	1.91	1.85	1.64	1.54	1.31	1.13	1.12	1.03	1.11	1.15	1.36	1.47			
90	0.56	0.72	0.74	0.80	0.72	0.67	0.47	0.45	0.42	0.40	0.41	0.40	0.41	0.39	0.40	0.39			
95	0.46	0.48	0.46	0.47	0.46	0.47	0.46	0.48	0.45	0.44	0.45	0.44	0.46	0.43	0.44	0.41			
100	0.51	0.52	0.49	0.51	0.49	0.51	0.50	0.53	0.51	0.49	0.51	0.50	0.52	0.49	0.49	0.47			
105	0.61	0.60	0.58	0.59	0.58	0.60	0.62	0.66	0.69	0.70	0.71	0.71	0.72	0.69	0.65	0.61			
110	0.96	0.90	0.88	0.86	0.88	0.91	0.99	1.04	1.16	1.24	1.22	1.27	1.23	1.21	1.10	1.04			
115	1.78	1.64	1.62	1.54	1.62	1.64	1.83	1.92	2.15	2.30	2.29	2.35	2.29	2.25	2.04	1.94			
120	3.18	3.00	2.95	2.85	2.94	3.00	3.27	3.43	3.76	3.96	3.96	4.07	3.95	3.89	3.60	3.42			
125	5.28	5.01	4.96	4.82	4.98	5.01	5.41	5.59	6.02	6.33	6.34	6.46	6.29	6.19	5.79	5.58			
130	7.98	7.67	7.61	7.46	7.63	7.69	8.15	8.39	8.89	9.21	9.27	9.39	9.21	9.03	8.60	8.31			
135	11.2	10.8	10.7	10.6	10.8	10.9	11.4	11.7	12.2	12.6	12.7	12.8	12.6	12.4	11.9	11.6			
140	14.8	14.4	14.3	14.1	14.3	14.4	14.9	15.3	15.9	16.3	16.3	16.5	16.3	16.0	15.5	15.2			
145	18.5	18.0	17.9	17.7	17.9	18.0	18.6	18.9	19.5	19.9	20.0	20.1	19.9	19.7	19.2	18.8			
150	21.9	21.5	21.4	21.1	21.3	21.4	21.9	22.1	22.7	23.1	23.2	23.4	23.1	23.0	22.5	22.2			
155	24.7	24.4	24.2	23.9	23.9	24.1	24.4	24.7	25.3	25.5	25.6	25.6	25.5	25.4	25.1	24.9			
160	26.6	26.2	25.8	25.5	25.5	25.5	25.8	26.1	26.7	26.8	26.7	26.5	26.6	26.5	26.4	26.4			
165	27.0	26.5	26.2	26.0	25.8	25.7	26.1	26.3	26.9	26.9	26.7	26.5	26.6	26.5	26.4	26.5			
170	26.7	26.2	26.1	26.1	25.8	25.7	25.8	26.1	26.5	26.6	26.3	26.3	26.4	26.5	26.3	26.2			
175	26.6	26.5	26.5	26.4	26.1	26.1	26.3	26.2	26.4	26.8	26.8	26.6	26.6	26.7	26.7	26.4			
180	26.9	27.0	27.1	26.9	26.9	26.9	27.0	26.7	26.9	27.0	27.2	26.9	26.9	26.9	27.0	26.7			

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