

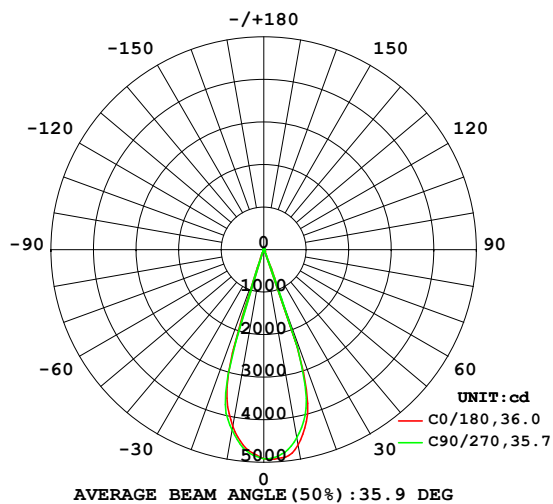
TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

LUMINAIRE PHOTOMETRIC TEST REPORT

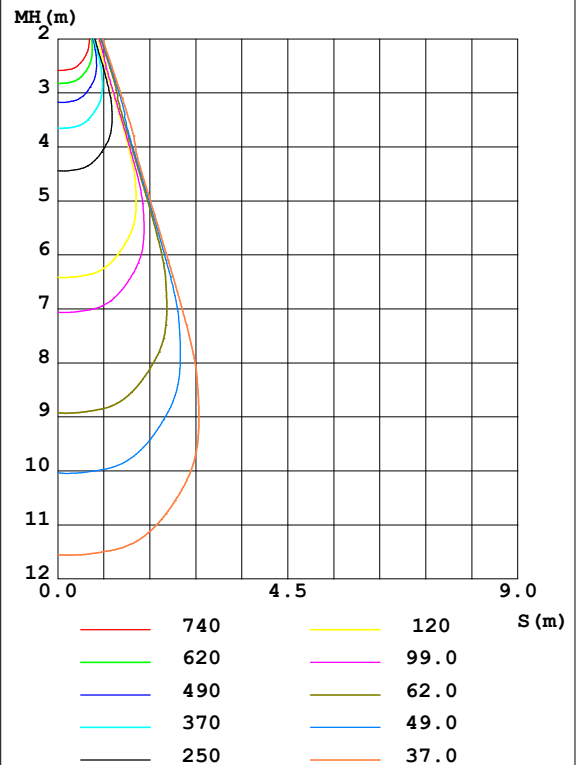
NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.06 lm/W			
MODEL	CMA1516-30G-H-NOU	Imax(cd)	4937	S/MH(C0/180)	0.47
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	110	TOTAL FLUX(lm)	1482.1	η UP,DN(C0-180)	1.2,53.2
NOMINAL FLUX(lm)	1482.11	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,44.3
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	110	η down(%)	97.5	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: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4663	4649	4488	4333	4214	4227	4305	4489	0- 10	445.8	445.8	30.1,30.1
20	966.8	1450	1232	718.5	449.0	336.4	337.1	532.8	10- 20	874.0	1320	89,89
30	51.14	60.61	57.75	48.17	40.78	35.82	35.29	40.54	20- 30	85.10	1405	94.8,94.8
40	17.58	18.98	18.76	17.18	15.38	14.15	14.49	15.75	30- 40	16.79	1422	95.9,95.9
50	8.836	9.314	9.346	8.672	8.027	7.530	7.755	8.162	40- 50	9.044	1431	96.5,96.5
60	6.091	6.381	6.330	5.922	5.558	5.287	5.366	5.697	50- 60	6.165	1437	96.9,96.9
70	4.305	4.446	4.326	3.936	3.576	3.468	3.684	4.125	60- 70	4.938	1442	97.3,97.3
80	1.921	2.002	1.896	1.672	1.449	1.424	1.583	1.861	70- 80	2.999	1445	97.5,97.5
90	0.3409	0.3343	0.3361	0.3409	0.3026	0.2934	0.2997	0.2765	80- 90	0.8447	1446	97.5,97.5
100	0.3611	0.3449	0.3482	0.3426	0.3729	0.3637	0.3609	0.3568	90-100	0.3654	1446	97.6,97.6
110	0.3752	0.3730	0.3714	0.3756	0.3917	0.3895	0.3892	0.3898	100-110	0.3915	1446	97.6,97.6
120	0.4943	0.4502	0.4431	0.4885	0.5499	0.5976	0.5911	0.5157	110-120	0.4100	1447	97.6,97.6
130	3.745	3.482	3.597	4.198	4.259	4.508	4.352	3.717	120-130	1.580	1448	97.7,97.7
140	10.96	10.62	10.87	11.75	11.92	12.24	11.97	11.03	130-140	5.711	1454	98.1,98.1
150	19.61	19.27	19.51	20.28	20.58	20.89	20.71	19.75	140-150	9.808	1464	98.8,98.8
160	23.73	23.68	24.29	24.04	24.31	23.98	23.83	22.52	150-160	10.53	1474	99.5,99.5
170	18.38	19.01	19.02	19.06	18.46	17.87	17.43	16.92	160-170	6.131	1481	99.9,99.9
180	14.20	14.55	13.78	13.88	14.21	14.57	13.80	13.89	170-180	1.523	1482	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

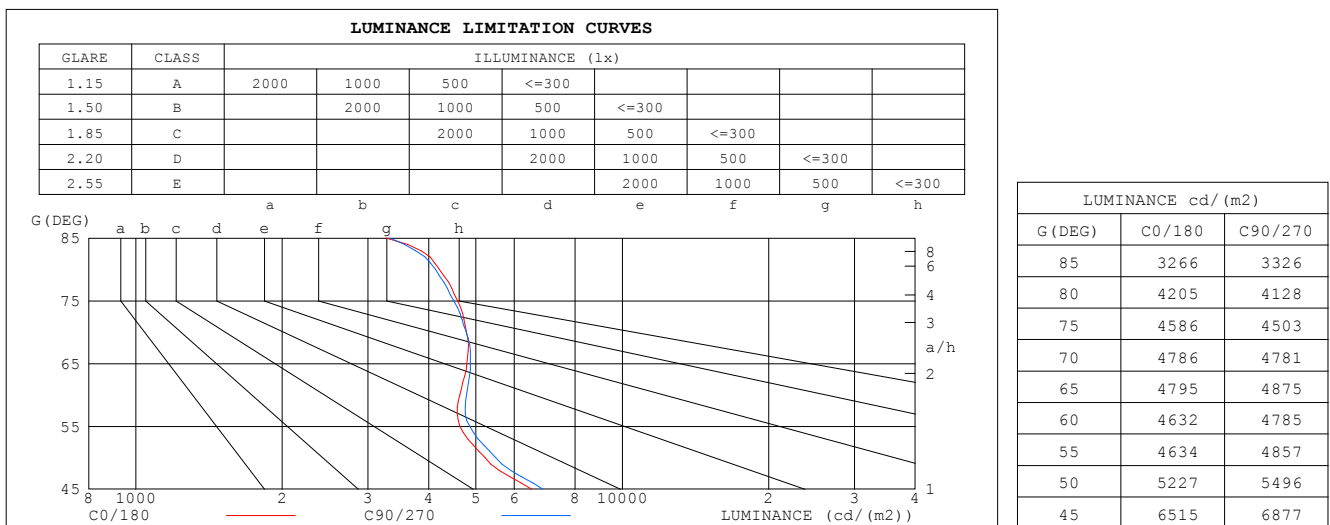
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

LUMINANCE LIMITATION CURVES

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

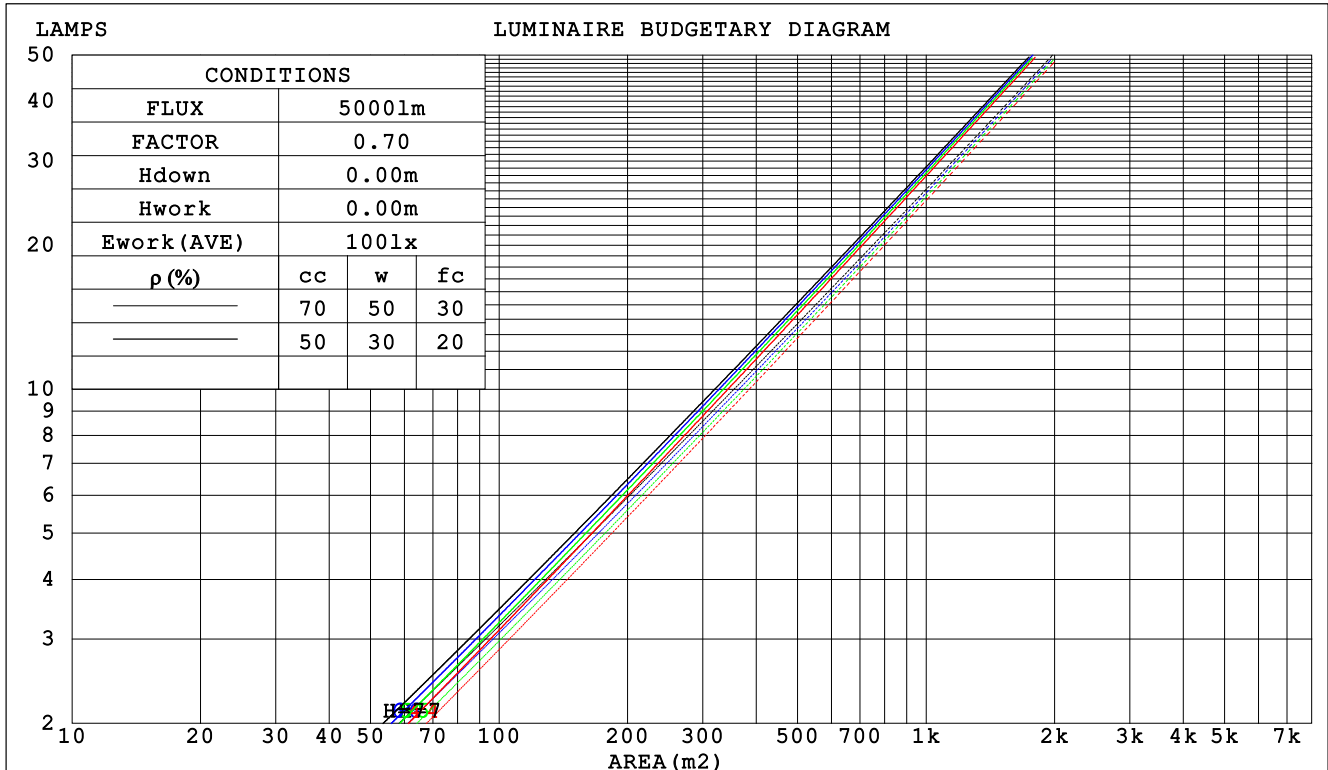
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.12	1.10	1.09	1.10	1.08	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.02	.99	.98	.98	.97	.95	.95	.94	.93	.91
3.0	1.02	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.92	.93	.91	.90	.88
4.0	.98	.94	.91	.97	.94	.91	.95	.92	.90	.93	.90	.88	.91	.89	.87	.86
5.0	.95	.91	.88	.94	.90	.87	.92	.89	.86	.90	.88	.85	.89	.86	.85	.83
6.0	.92	.88	.85	.91	.87	.84	.89	.86	.84	.88	.85	.83	.87	.84	.82	.81
7.0	.89	.85	.82	.88	.84	.82	.87	.83	.81	.86	.83	.80	.84	.82	.80	.79
8.0	.86	.82	.79	.86	.82	.79	.84	.81	.79	.83	.80	.78	.82	.80	.78	.77
9.0	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.80	.78	.76	.75
10.0	.81	.77	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.79	.76	.74	.73



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

WEC AND CCEC

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.139	.079	.025	.132	.075	.024	.118	.068	.022	.105	.061	.019	.094	.054	.017		
2.0	.128	.070	.022	.122	.067	.021	.110	.061	.019	.100	.056	.017	.090	.051	.016		
3.0	.119	.063	.019	.113	.061	.018	.104	.056	.017	.095	.052	.016	.086	.048	.015		
4.0	.111	.058	.017	.106	.056	.016	.098	.052	.016	.090	.048	.015	.083	.045	.014		
5.0	.104	.053	.015	.100	.051	.015	.093	.048	.014	.086	.046	.014	.080	.043	.013		
6.0	.098	.049	.014	.095	.048	.014	.089	.045	.013	.083	.043	.013	.077	.041	.012		
7.0	.093	.046	.013	.090	.045	.013	.085	.043	.012	.080	.041	.012	.075	.039	.011		
8.0	.089	.043	.012	.086	.042	.012	.081	.041	.012	.077	.039	.011	.072	.037	.011		
9.0	.085	.041	.011	.082	.040	.011	.078	.039	.011	.074	.037	.011	.070	.036	.010		
10.0	.081	.039	.011	.079	.038	.011	.075	.037	.010	.071	.035	.010	.068	.034	.010		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.187	.177	.167	.160	.152	.144	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.118	.099	.090	.083	.057	.053	.048	.018	.017	.016	
3.0	.154	.132	.115	.132	.114	.100	.091	.079	.070	.053	.046	.041	.017	.015	.013	
4.0	.142	.117	.098	.122	.101	.085	.084	.071	.060	.048	.041	.036	.016	.013	.012	
5.0	.131	.105	.085	.113	.091	.074	.078	.063	.052	.045	.037	.031	.015	.012	.010	
6.0	.122	.095	.075	.105	.082	.065	.073	.058	.046	.042	.034	.028	.014	.011	.009	
7.0	.115	.087	.067	.099	.075	.058	.068	.053	.041	.040	.031	.025	.013	.010	.008	
8.0	.108	.080	.060	.093	.069	.053	.065	.049	.037	.038	.029	.022	.012	.009	.007	
9.0	.103	.074	.055	.088	.065	.048	.061	.045	.034	.036	.027	.020	.012	.009	.007	
10.0	.098	.070	.051	.084	.060	.044	.058	.043	.032	.034	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

UGR(Unified Glare Rating) Table

NAME: TLO025-41					TYPE:3000K CRI90 35.9D					WEIGHT:1				
SPEC.:ES-LD024H-CU06040-M26D					DIM.:					SERIAL No.:				
MFR.: ENCORE					SUR.:54					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					5.9	6.5	6.1	6.7	6.9	6.1	6.8	6.4	6.9	7.1
3H					7.3	7.9	7.5	8.1	8.3	7.5	8.0	7.7	8.3	8.5
4H					7.9	8.4	8.2	8.7	8.9	8.0	8.6	8.3	8.8	9.1
6H					8.4	8.9	8.7	9.2	9.4	8.5	9.0	8.8	9.3	9.5
8H					8.5	9.0	8.8	9.3	9.6	8.6	9.1	8.9	9.4	9.7
12H					8.6	9.1	8.9	9.4	9.7	8.7	9.2	9.0	9.5	9.8
4H 2H					6.4	7.0	6.7	7.2	7.5	6.6	7.2	6.9	7.4	7.7
3H					8.0	8.5	8.4	8.8	9.1	8.2	8.7	8.5	9.0	9.3
4H					8.8	9.2	9.2	9.6	9.9	8.9	9.4	9.3	9.7	10.0
6H					9.4	9.8	9.8	10.1	10.5	9.5	9.9	9.9	10.2	10.6
8H					9.6	9.9	10.0	10.3	10.7	9.6	10.0	10.1	10.4	10.8
12H					9.7	10.0	10.1	10.4	10.9	9.7	10.1	10.2	10.5	10.9
8H 4H					9.1	9.4	9.5	9.8	10.2	9.2	9.5	9.6	9.9	10.3
6H					9.8	10.1	10.2	10.5	11.0	9.8	10.2	10.3	10.6	11.1
8H					10.0	10.3	10.5	10.8	11.3	10.1	10.4	10.6	10.8	11.3
12H					10.2	10.5	10.7	10.9	11.5	10.3	10.5	10.8	11.0	11.5
12H 4H					9.1	9.4	9.5	9.8	10.2	9.2	9.5	9.6	9.9	10.3
6H					9.8	10.1	10.3	10.6	11.0	9.9	10.2	10.4	10.6	11.1
8H					10.1	10.4	10.6	10.9	11.4	10.2	10.4	10.7	10.9	11.4
Variations with the observer position at spacings:														
S = 1.0H					+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H					+ 0.4 / - 0.4					+ 0.5 / - 0.4				
2.0H					+ 0.4 / - 0.3					+ 0.4 / - 0.3				

CIE Pub.117, 1482 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

UTILIZATION FACTORS TABLE

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	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) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	96	102	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	108	105	102	107	103	101	104	101	99	93
2.50	110	106	104	108	105	103	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	96
5.00	115	113	111	112	111	109	108	107	106	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

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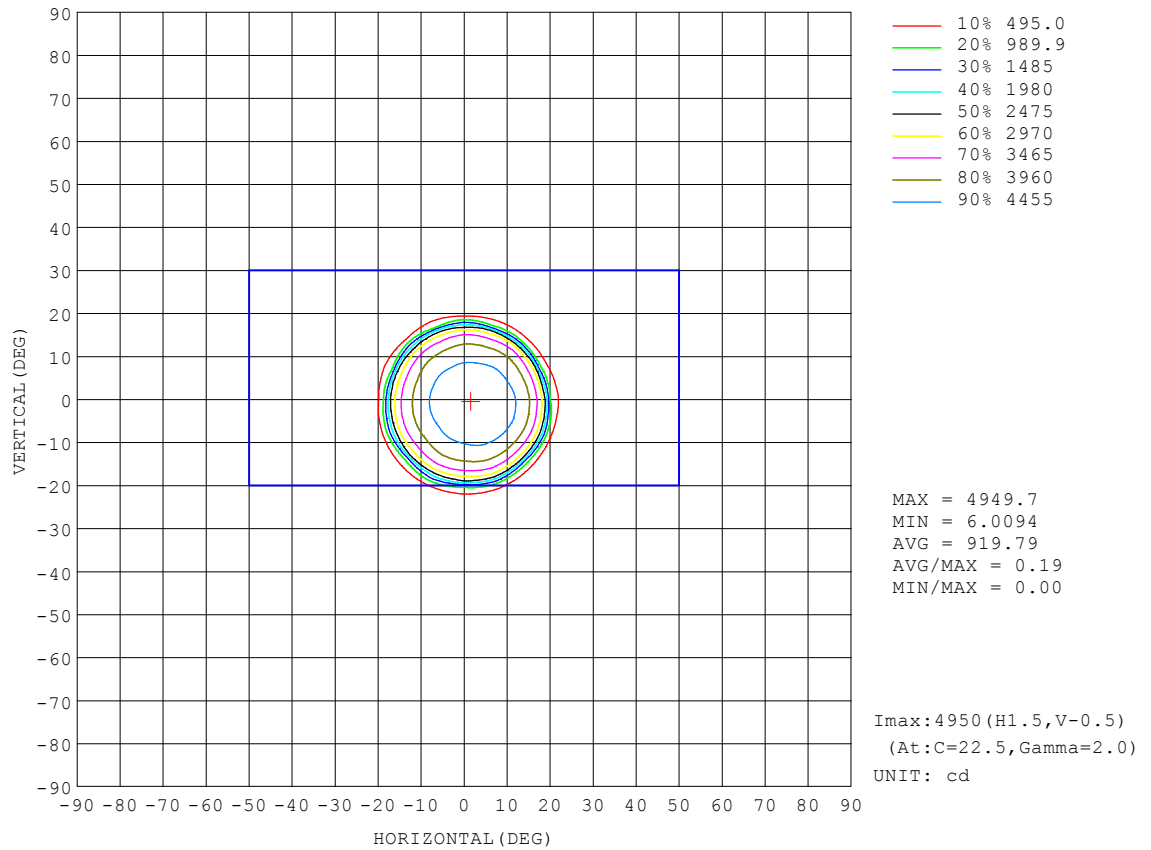
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Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

ISOCANDELA DIAGRAM

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



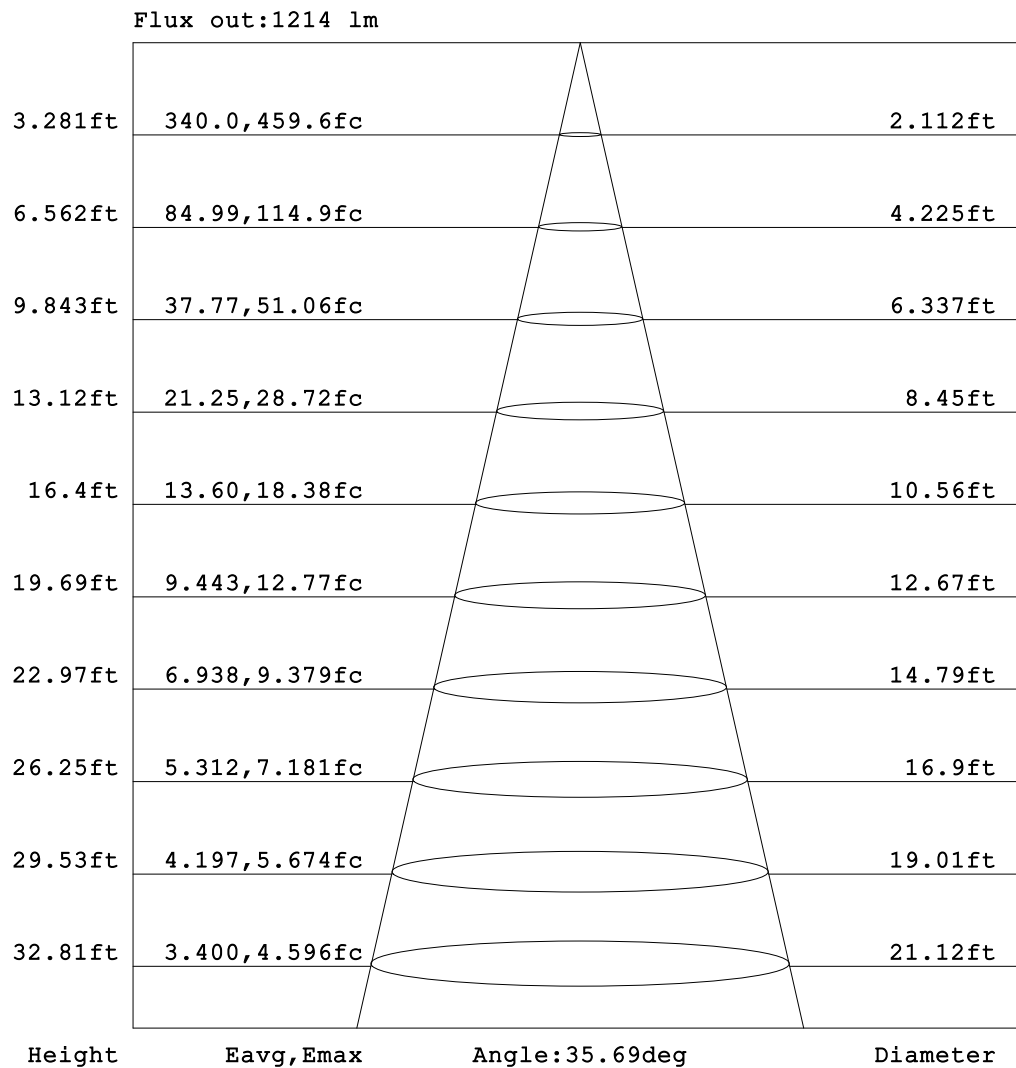
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

AAI Figure

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



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

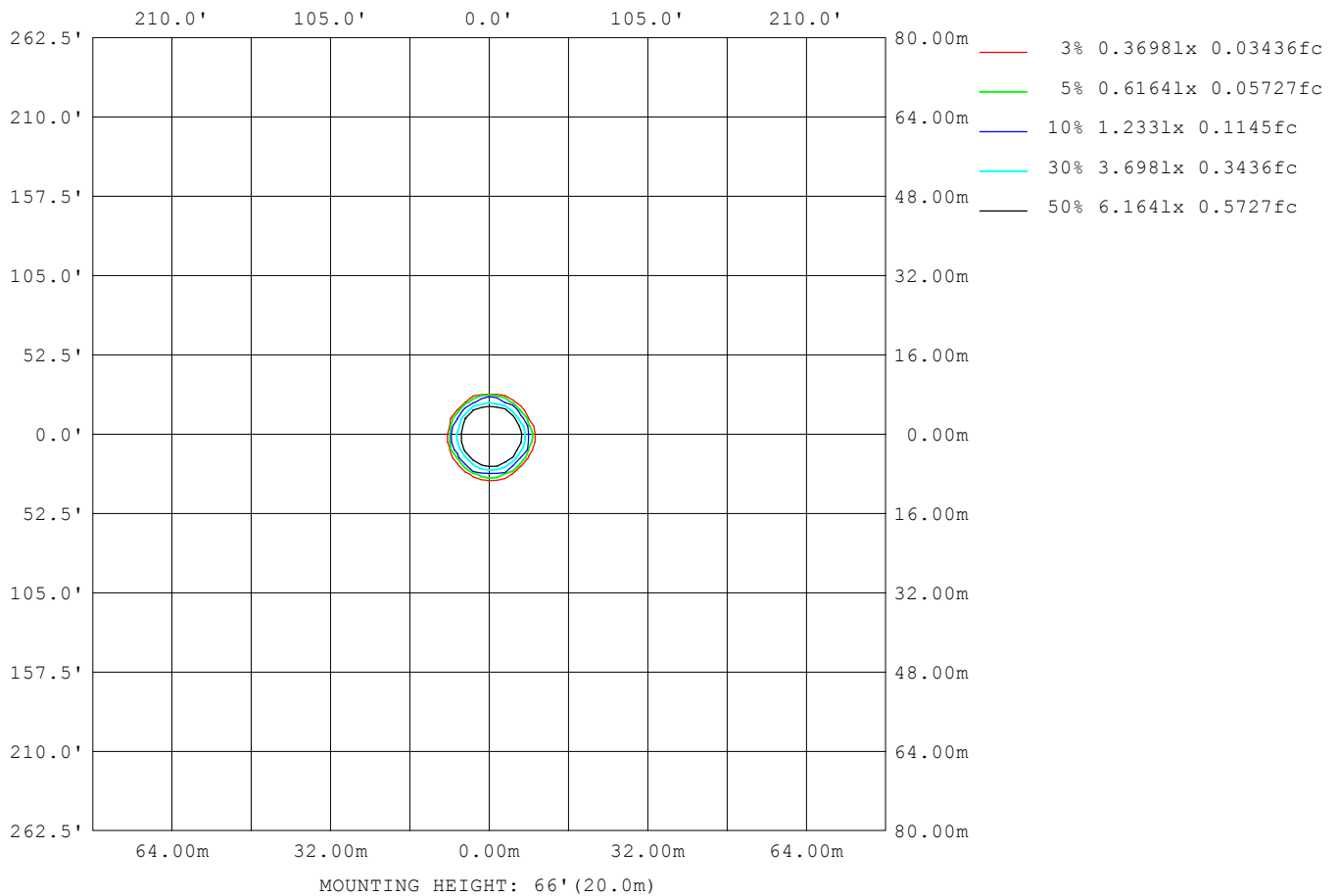
C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

ISOLUX DIAGRAM

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

LED Avg.L Report

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

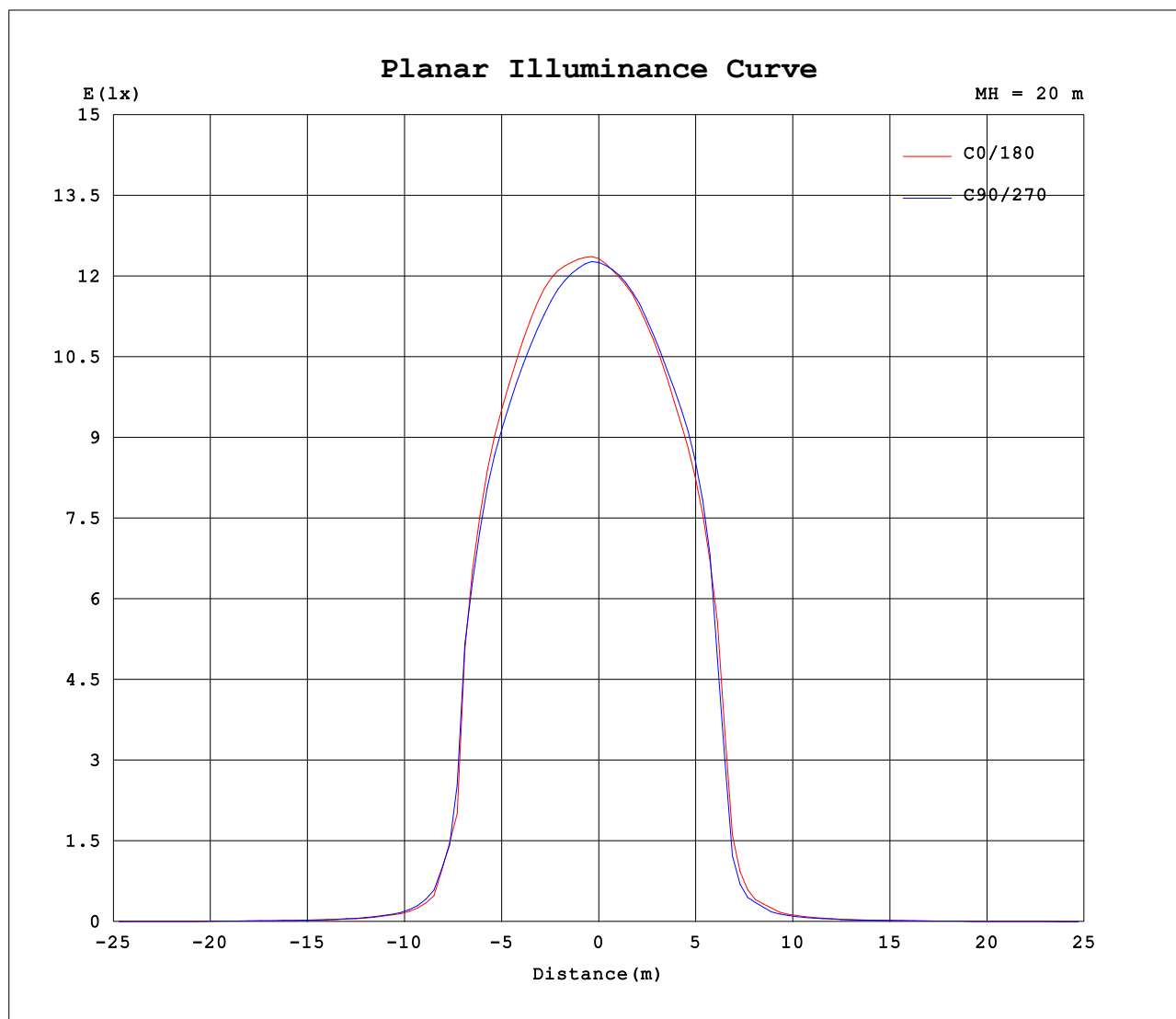
AvgL	cd/m2
L_0~180 (65) av	4473
L_0~180 (75) av	4082
L_0~180 (85) av	2712
L_90~270 (65) av	4517
L_90~270 (75) av	4169
L_90~270 (85) av	2752
L_45 (65) av	4503
L_45 (75) av	4173
L_45 (85) av	2790

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 40D(Actual 35.9D) NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO025-41	TYPE:3000K CRI90 35.9D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (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	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911	4911			
5	4912	4922	4885	4862	4830	4792	4748	4727	4698	4678	4672	4696	4741	4785	4840	4866			
10	4663	4716	4649	4603	4488	4428	4333	4286	4214	4184	4227	4240	4305	4362	4489	4557			
15	3993	4060	4005	3983	3858	3780	3559	3498	3352	3235	3301	3298	3486	3548	3784	3857			
20	967	1730	1450	1813	1232	1369	719	621	449	484	336	411	337	438	533	648			
25	136	179	163	199	161	159	121	112	95.3	84.9	79.8	73.7	77.8	81.6	97.3	109			
30	51.1	57.2	60.6	61.1	57.7	55.0	48.2	45.6	40.8	37.4	35.8	34.0	35.3	36.5	40.5	43.9			
35	27.1	29.4	30.0	30.8	29.6	28.7	26.5	25.3	23.3	21.7	21.0	20.3	21.1	21.7	23.3	24.5			
40	17.6	18.7	19.0	19.4	18.8	18.2	17.2	16.5	15.4	14.5	14.1	14.0	14.5	14.9	15.8	16.3			
45	12.1	12.7	12.9	13.2	12.9	12.5	11.8	11.4	10.7	10.2	9.97	9.92	10.2	10.5	11.0	11.3			
50	8.84	9.19	9.31	9.53	9.35	9.07	8.67	8.43	8.03	7.69	7.53	7.55	7.76	7.92	8.16	8.35			
55	6.99	7.28	7.39	7.53	7.37	7.19	6.88	6.76	6.48	6.21	6.09	6.08	6.21	6.29	6.54	6.65			
60	6.09	6.29	6.38	6.47	6.33	6.17	5.92	5.77	5.56	5.39	5.29	5.33	5.37	5.49	5.70	5.84			
65	5.33	5.51	5.54	5.62	5.45	5.31	5.04	4.89	4.65	4.51	4.48	4.56	4.63	4.78	5.04	5.15			
70	4.31	4.46	4.45	4.52	4.33	4.20	3.94	3.80	3.58	3.42	3.47	3.57	3.68	3.82	4.12	4.18			
75	3.12	3.23	3.22	3.28	3.08	2.99	2.77	2.66	2.46	2.33	2.41	2.50	2.62	2.73	3.01	3.01			
80	1.92	2.01	2.00	2.04	1.90	1.85	1.67	1.63	1.45	1.35	1.42	1.49	1.58	1.64	1.86	1.83			
85	0.75	0.82	0.81	0.86	0.77	0.76	0.65	0.64	0.50	0.44	0.47	0.42	0.50	0.48	0.65	0.60			
90	0.34	0.34	0.33	0.34	0.34	0.34	0.34	0.35	0.30	0.28	0.29	0.29	0.30	0.26	0.28	0.26			
95	0.34	0.36	0.34	0.36	0.34	0.36	0.34	0.36	0.35	0.33	0.34	0.32	0.34	0.31	0.32	0.30			
100	0.36	0.37	0.34	0.37	0.35	0.37	0.34	0.37	0.37	0.34	0.36	0.34	0.36	0.33	0.36	0.34			
105	0.37	0.38	0.36	0.38	0.37	0.37	0.36	0.38	0.39	0.37	0.38	0.36	0.38	0.36	0.38	0.36			
110	0.38	0.39	0.37	0.38	0.37	0.38	0.38	0.39	0.39	0.38	0.39	0.37	0.39	0.37	0.39	0.37			
115	0.40	0.41	0.38	0.40	0.38	0.40	0.38	0.41	0.42	0.40	0.42	0.40	0.42	0.39	0.41	0.38			
120	0.49	0.48	0.45	0.46	0.44	0.47	0.49	0.54	0.55	0.59	0.60	0.62	0.59	0.55	0.52	0.48			
125	1.42	1.28	1.25	1.19	1.28	1.37	1.62	1.77	1.73	1.88	1.90	1.97	1.83	1.70	1.47	1.36			
130	3.75	3.46	3.48	3.36	3.60	3.73	4.20	4.39	4.26	4.50	4.51	4.62	4.35	4.15	3.72	3.51			
135	7.01	6.72	6.70	6.61	6.91	7.12	7.68	7.96	7.78	8.09	8.08	8.15	7.84	7.57	7.02	6.74			
140	11.0	10.7	10.6	10.6	10.9	11.2	11.8	12.1	11.9	12.3	12.2	12.3	12.0	11.6	11.0	10.7			
145	15.3	15.0	15.0	14.9	15.2	15.5	16.1	16.5	16.3	16.7	16.6	16.8	16.4	16.1	15.4	15.0			
150	19.6	19.4	19.3	19.2	19.5	19.8	20.3	20.6	20.6	20.9	20.9	21.0	20.7	20.4	19.8	19.4			
155	23.1	22.9	22.8	22.9	23.2	23.3	23.6	23.8	24.0	24.1	24.0	24.2	23.9	23.4	22.5	22.3			
160	23.7	23.8	23.7	24.1	24.3	24.3	24.0	24.2	24.3	24.0	24.0	24.1	23.8	23.1	22.5	22.4			
165	21.4	21.9	21.9	22.2	22.1	22.3	22.1	22.0	21.6	21.6	21.4	21.4	21.2	20.6	20.1	20.2			
170	18.4	18.8	19.0	19.1	19.0	19.1	19.1	18.8	18.5	18.3	17.9	17.4	17.4	16.9	16.9	17.0			
175	15.0	15.1	15.3	15.3	15.0	15.0	15.3	15.0	15.0	15.0	14.8	14.1	13.7	13.8	13.7	13.4			
180	14.2	14.2	14.5	13.9	13.8	13.6	13.9	13.1	14.2	14.2	14.6	13.9	13.8	13.6	13.9	13.1			

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