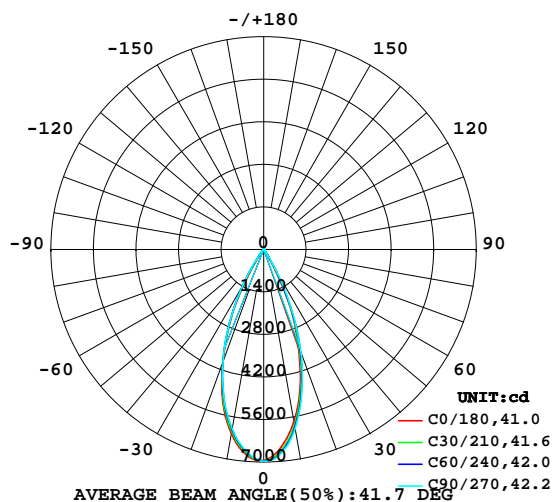


LUMINAIRE PHOTOMETRIC TEST REPORT

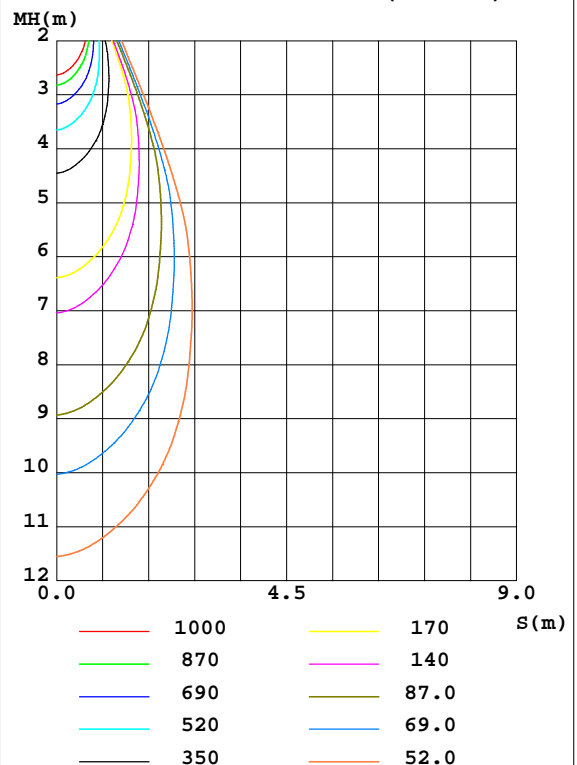
Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.32 lm/W			
MODEL		Imax(cd)	6972	S/MH(C0/180)	0.69
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3437.1	η UP,DN(C0-180)	1.6,45.6
NOMINAL FLUX(lm)	3437.06	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,51.2
LAMPS INSIDE	1	η up(%)	3.2	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220.8	η down(%)	96.8	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks: 透镜:X7030-Y-50D-R, LED:PB4-3030BA5-WPDD
PCB:LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

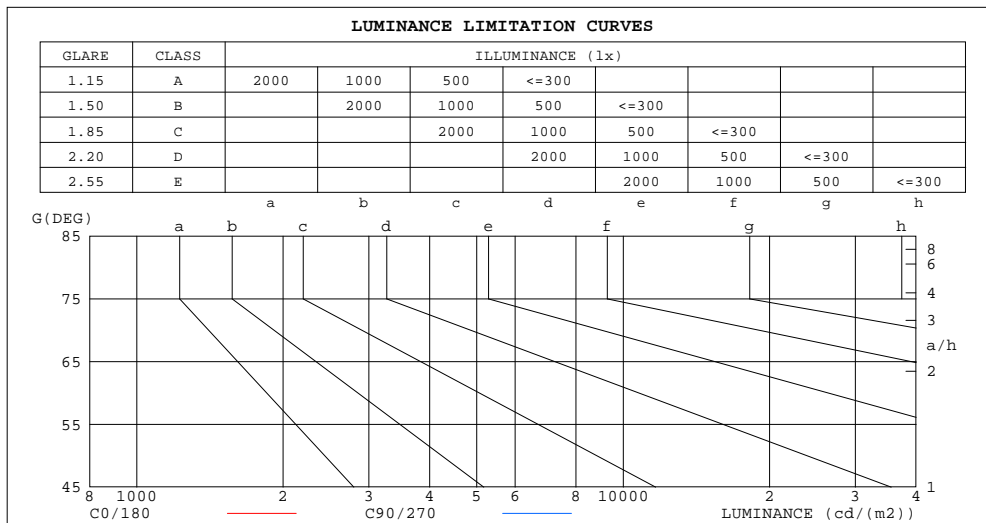
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5747	5900	5993	6042	6151	6048	5993	5871	0- 10	615.1	615.1	17.9,17.9
20	3310	3486	3584	3703	3939	3940	3921	3699	10- 20	1356	1971	57.4,57.4
30	615.4	817.5	950.0	982.3	1198	1376	1440	1112	20- 30	1059	3031	88.2,88.2
40	54.29	75.60	66.30	87.39	111.8	145.1	146.7	120.6	30- 40	247.6	3278	95.4,95.4
50	9.351	11.07	10.80	11.61	14.82	18.51	18.80	16.65	40- 50	30.43	3309	96.3,96.3
60	2.374	3.450	3.965	3.428	4.075	6.379	8.045	5.782	50- 60	7.340	3316	96.5,96.5
70	0.8111	1.311	1.666	1.486	2.905	4.377	5.475	3.963	60- 70	3.379	3319	96.6,96.6
80	0.8156	1.406	2.211	1.705	4.079	5.042	5.782	4.618	70- 80	3.083	3323	96.7,96.7
90	1.393	1.919	2.465	2.238	5.263	5.690	5.956	5.415	80- 90	3.797	3326	96.8,96.8
100	2.922	3.063	3.430	3.547	6.810	6.762	6.699	6.539	90-100	4.670	3331	96.9,96.9
110	5.617	5.892	6.440	6.442	8.931	8.891	8.757	8.686	100-110	6.436	3337	97.1,97.1
120	10.58	10.93	11.32	11.14	12.42	12.67	12.61	12.48	110-120	9.352	3347	97.4,97.4
130	18.50	18.61	18.10	18.10	18.41	18.67	18.33	18.72	120-130	13.32	3360	97.8,97.8
140	29.54	28.43	26.31	27.40	27.08	27.15	25.93	27.57	130-140	17.55	3378	98.3,98.3
150	43.00	37.87	35.71	38.17	38.10	37.27	34.77	37.42	140-150	20.35	3398	98.9,98.9
160	51.99	45.56	46.35	48.47	46.66	46.96	44.63	45.23	150-160	19.53	3418	99.4,99.4
170	56.35	52.93	55.80	55.66	51.30	53.71	54.23	52.81	160-170	14.21	3432	99.8,99.8
180	57.48	57.55	59.85	58.92	57.53	57.63	59.90	58.96	170-180	5.335	3437	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks: 透镜:X7030-Y-50D-R, LED:PB4-3030BA5-WPDD
PCB:LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

LUMINANCE LIMITATION CURVES

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	324	755
80	134	364
75	86	192
70	68	139
65	83	157
60	136	227
55	232	329
50	416	480
45	792	869

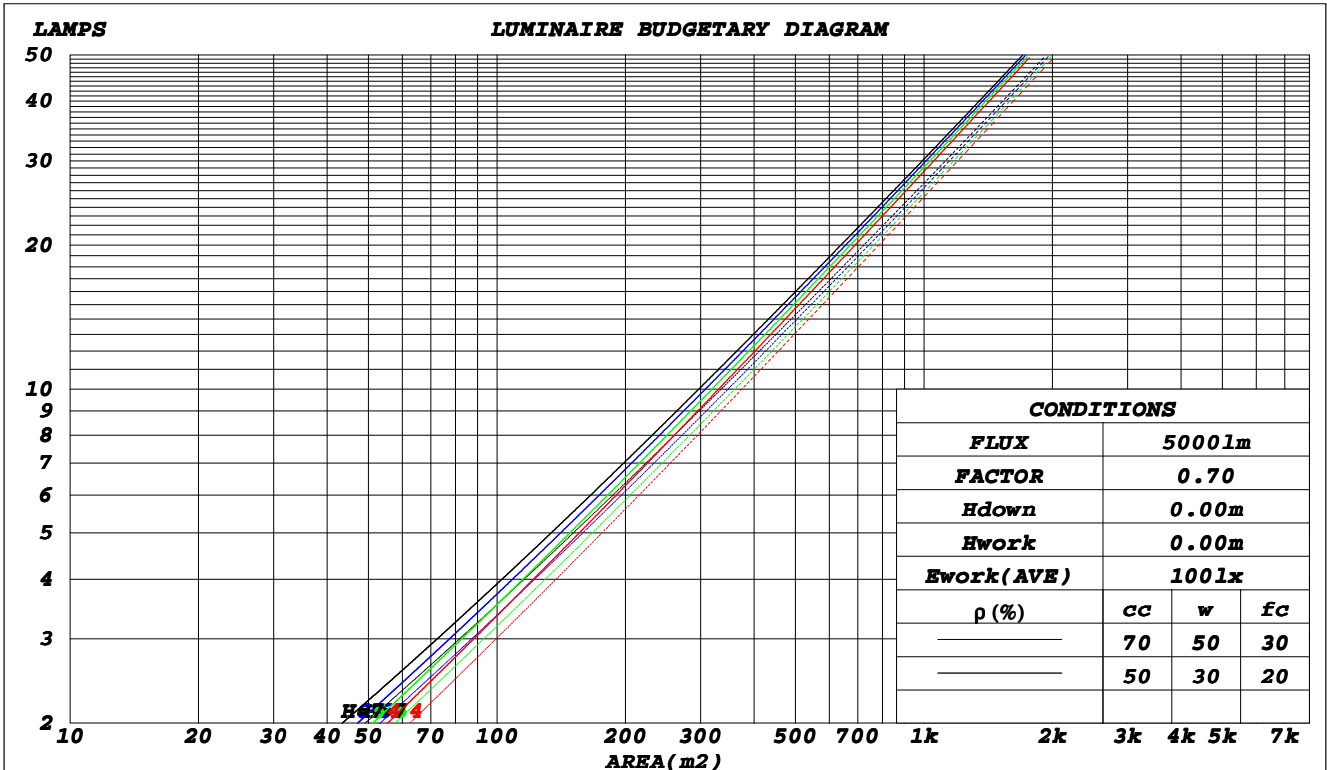
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜: X7030-Y-50D-R, LED: PB4-3030BA5-WPDD
PCB: LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm					
Name: LS-N 1200 32W CCT(3000K+5000K)			Type: 长条形		
MFR.:			DIM.: 1205*36*92mm		
			SUR.: 1192*30mm		

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	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.02	1.01	.90	.98	.97	.96	.95	.94	.92
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.96	.94	.95	.93	.92	.92	.91	.89	.88
3.0	.99	.95	.91	.97	.93	.90	.94	.91	.88	.91	.89	.87	.89	.87	.85	.83
4.0	.94	.89	.85	.92	.88	.85	.90	.86	.83	.88	.85	.82	.85	.83	.81	.79
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.84	.81	.78	.82	.79	.77	.76
6.0	.85	.80	.76	.84	.79	.76	.82	.78	.75	.81	.77	.74	.79	.76	.74	.72
7.0	.81	.76	.72	.80	.75	.72	.79	.74	.71	.77	.74	.71	.76	.73	.70	.69
8.0	.77	.72	.69	.77	.72	.69	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
9.0	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.70	.67	.64	.63
10.0	.71	.66	.63	.71	.66	.63	.70	.65	.62	.69	.65	.62	.68	.64	.62	.61



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜:X7030-Y-50D-R, LED:PB4-3030BA5-WPDD
 PCB:LS-N-2X9S5P-V1.0, 电源: SC42W300-105
 CG-4(1050mA)

WEC AND CCEC

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz		
Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

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	.159	.091	.029	.152	.086	.027	.137	.079	.025	.124	.072	.023	.112	.065	.021		
2.0	.149	.082	.025	.143	.079	.024	.131	.073	.023	.119	.067	.021	.109	.062	.019		
3.0	.140	.075	.022	.135	.072	.022	.124	.067	.021	.115	.063	.019	.106	.059	.018		
4.0	.133	.069	.020	.128	.067	.020	.119	.063	.019	.111	.059	.018	.103	.056	.017		
5.0	.126	.064	.019	.122	.062	.018	.114	.059	.017	.107	.056	.017	.100	.053	.016		
6.0	.120	.060	.017	.116	.059	.017	.109	.056	.016	.103	.053	.016	.097	.051	.015		
7.0	.114	.057	.016	.111	.055	.016	.105	.053	.015	.099	.051	.015	.094	.049	.014		
8.0	.109	.054	.015	.107	.052	.015	.101	.050	.014	.096	.049	.014	.091	.047	.014		
9.0	.105	.051	.014	.102	.050	.014	.097	.048	.014	.093	.046	.013	.088	.045	.013		
10.0	.101	.048	.013	.099	.048	.013	.094	.046	.013	.090	.045	.013	.086	.043	.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	.215	.215	.215	.184	.184	.184	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.195	.182	.171	.167	.156	.147	.114	.108	.102	.066	.062	.059	.021	.020	.019	
2.0	.178	.158	.140	.153	.136	.121	.105	.094	.085	.060	.055	.050	.019	.018	.016	
3.0	.165	.138	.118	.141	.119	.102	.097	.083	.072	.056	.048	.042	.018	.016	.014	
4.0	.153	.124	.101	.132	.107	.088	.090	.074	.062	.052	.044	.036	.017	.014	.012	
5.0	.144	.112	.088	.124	.097	.077	.085	.068	.054	.049	.040	.032	.016	.013	.011	
6.0	.136	.102	.078	.117	.088	.068	.081	.062	.048	.047	.036	.029	.015	.012	.009	
7.0	.129	.094	.070	.111	.082	.061	.077	.057	.043	.045	.034	.026	.014	.011	.009	
8.0	.123	.088	.064	.106	.076	.056	.073	.054	.039	.043	.032	.024	.014	.010	.008	
9.0	.118	.083	.059	.101	.072	.051	.070	.050	.036	.041	.030	.022	.013	.010	.007	
10.0	.113	.078	.055	.098	.068	.048	.068	.048	.034	.039	.028	.020	.013	.009	.007	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜:X7030-Y-50D-R, LED:PB4-3030BA5-WPDD
 PCB:LS-N-2X9S5P-V1.0, 电源: SC42W300-105
 CG-4(1050mA)

UGR(Unified Glare Rating) Table

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

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	5.0	5.8	5.3	6.0	6.2	6.9	7.6	7.1	7.8	8.1
3H	4.9	5.6	5.2	5.8	6.1	6.7	7.4	7.0	7.7	7.9
4H	4.8	5.5	5.1	5.7	6.0	6.6	7.3	6.9	7.6	7.8
6H	4.7	5.3	5.0	5.6	5.9	6.6	7.2	6.9	7.5	7.8
8H	4.7	5.3	5.0	5.6	5.9	6.5	7.2	6.9	7.5	7.8
12H	4.6	5.2	5.0	5.5	5.9	6.5	7.1	6.9	7.5	7.8
4H 2H	4.8	5.5	5.1	5.7	6.0	6.6	7.3	6.9	7.5	7.8
3H	4.6	5.2	5.0	5.5	5.8	6.4	7.0	6.8	7.3	7.7
4H	4.5	5.0	4.9	5.4	5.8	6.3	6.9	6.7	7.2	7.6
6H	4.4	4.9	4.8	5.3	5.7	6.3	6.8	6.7	7.1	7.5
8H	4.4	4.8	4.8	5.2	5.6	6.3	6.7	6.7	7.1	7.6
12H	4.4	4.8	4.8	5.2	5.6	6.3	6.7	6.8	7.2	7.6
8H 4H	4.3	4.8	4.8	5.2	5.6	6.2	6.6	6.6	7.0	7.5
6H	4.3	4.6	4.7	5.1	5.6	6.1	6.5	6.6	6.9	7.4
8H	4.2	4.6	4.7	5.0	5.5	6.2	6.5	6.7	7.0	7.5
12H	4.3	4.5	4.8	5.0	5.6	6.3	6.6	6.8	7.1	7.6
12H 4H	4.3	4.7	4.8	5.1	5.6	6.1	6.5	6.6	7.0	7.4
6H	4.2	4.5	4.7	5.0	5.5	6.1	6.4	6.6	6.9	7.4
8H	4.2	4.5	4.7	5.0	5.5	6.1	6.4	6.7	6.9	7.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.8 / - 7.8					+ 3.6 / - 5.3				
1.5H	+ 6.3 / - 6.7					+ 6.1 / - 4.8				
2.0H	+ 3.7 / - 2.2					+ 2.4 / - 0.9				

CIE Pub.117, 3437 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.3$)
Area: 0.035 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks: 透镜:X7030-Y-50D-R, LED:PB4-3030BA5-WPDD
PCB:LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

UTILIZATION FACTORS TABLE

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

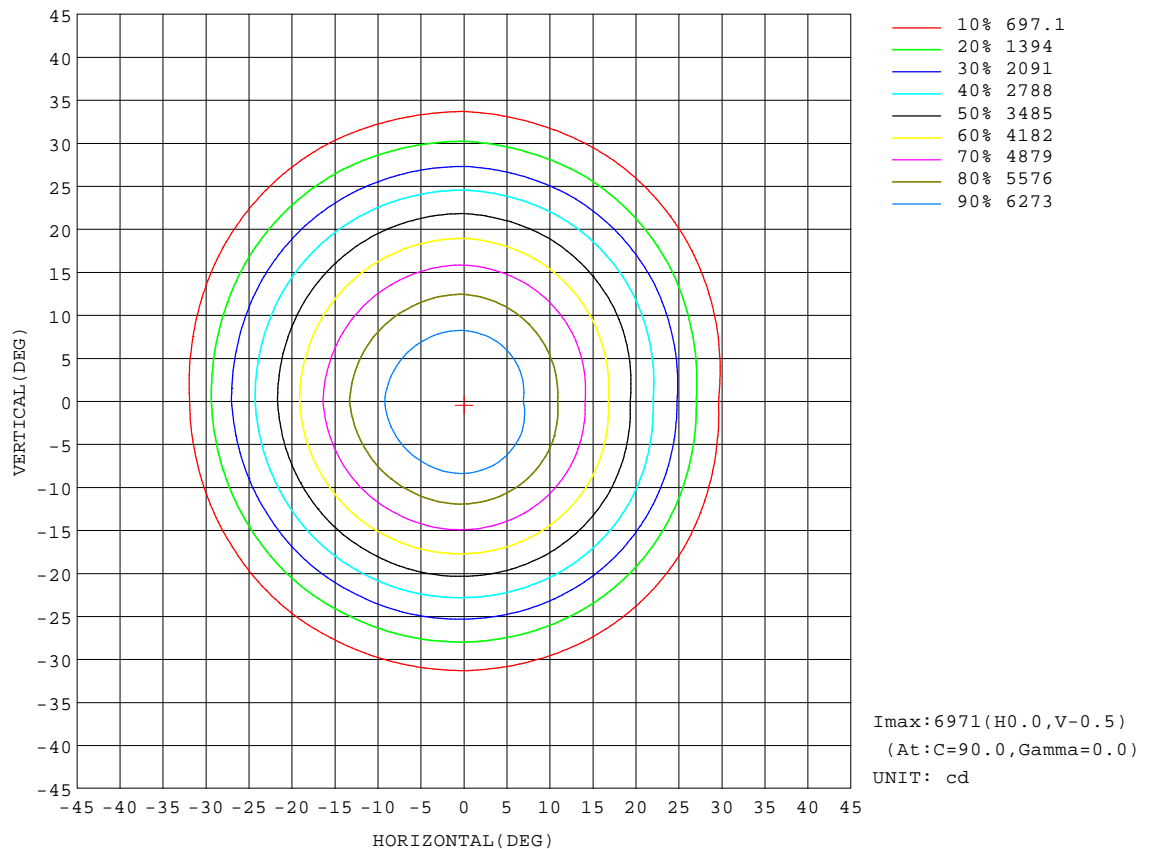
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	89	86	82
1.00	100	94	91	99	94	91	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	104	100	98	102	99	96	91
2.00	108	104	101	107	103	100	103	101	98	93
2.50	110	106	103	108	105	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	111	108	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜: X7030-Y-50D-R, LED: PB4-3030BA5-WPDD
PCB: LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

ISOCANDELA DIAGRAM

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	



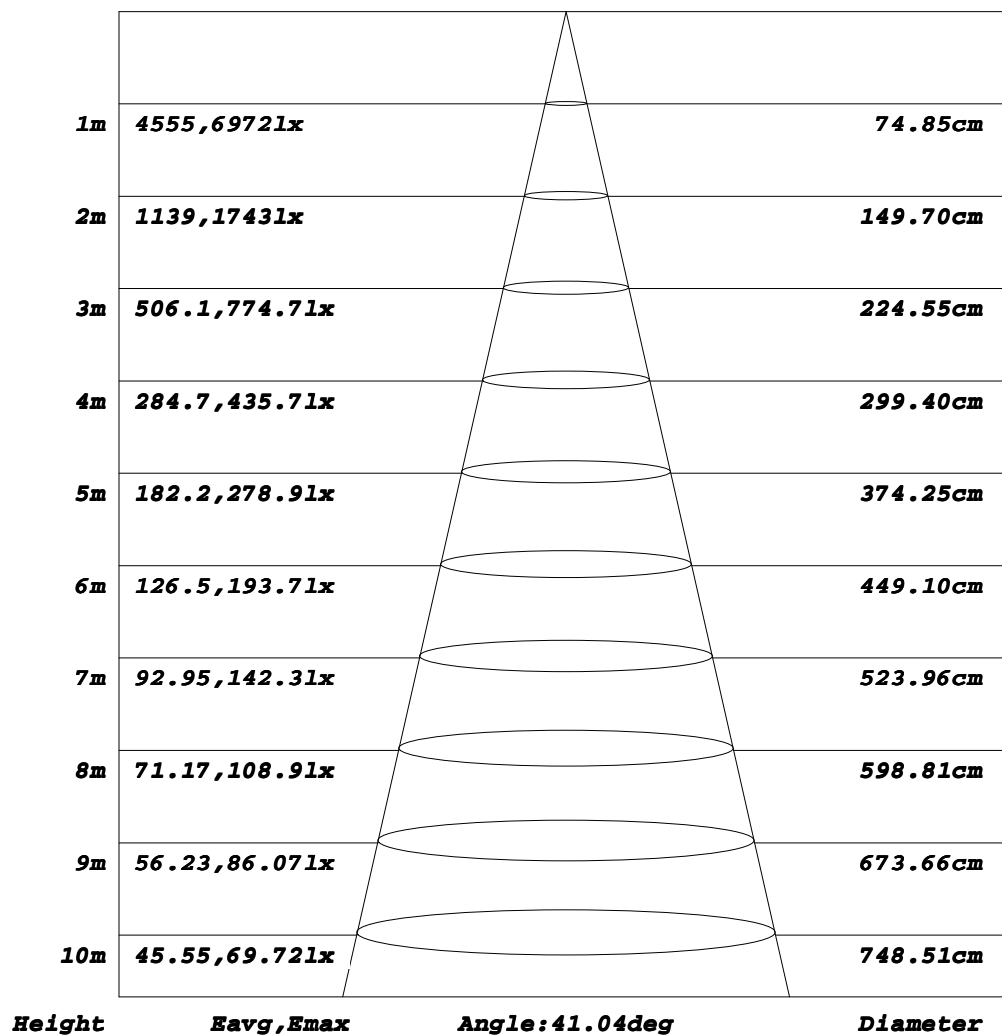
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜: X7030-Y-50D-R, LED: PB4-3030BA5-WPDD
PCB: LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

AAI Figure

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

Flux out:2108 lm



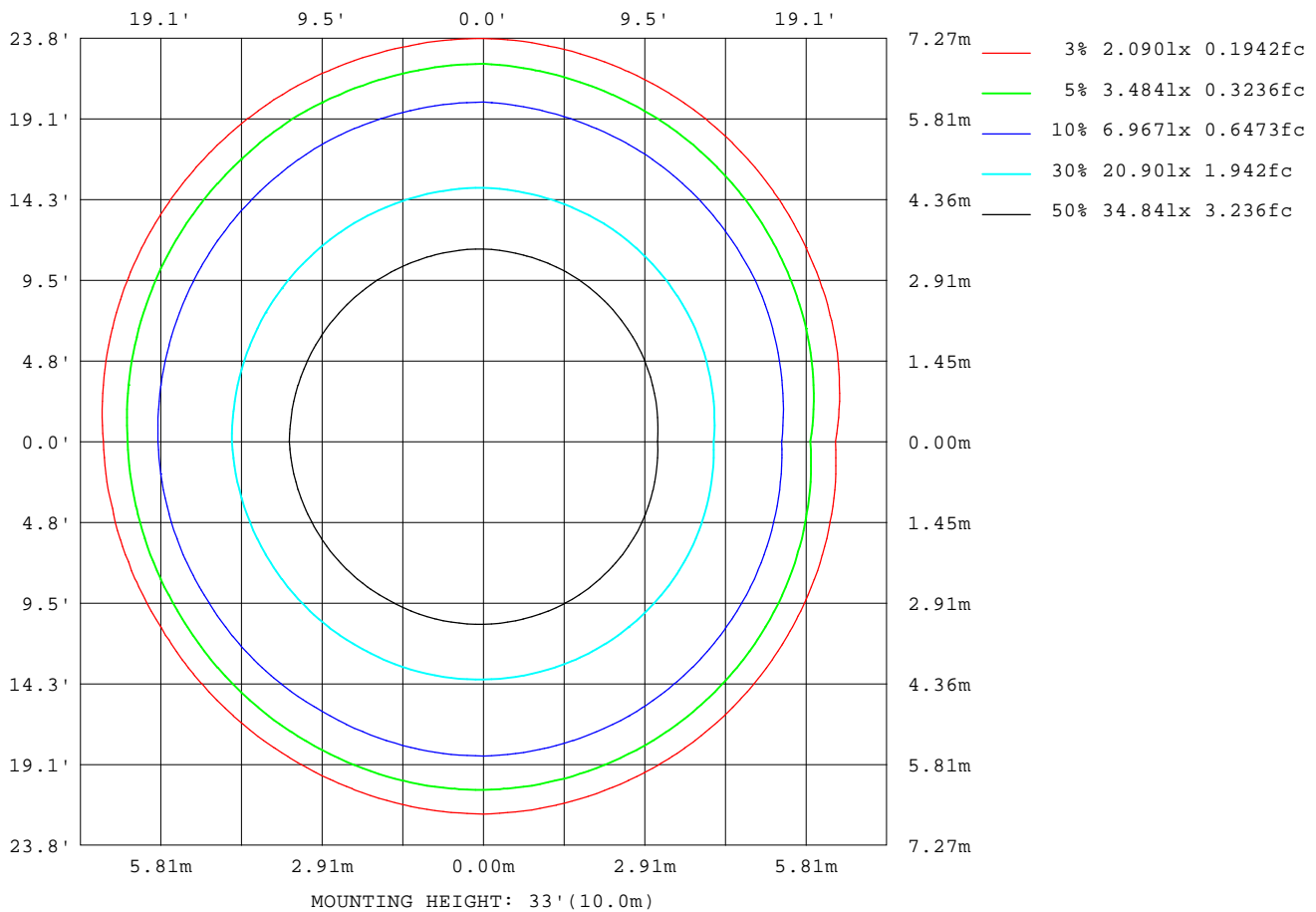
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜: X7030-Y-50D-R, LED: PB4-3030BA5-WPDD
PCB: LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

ISOLUX DIAGRAM

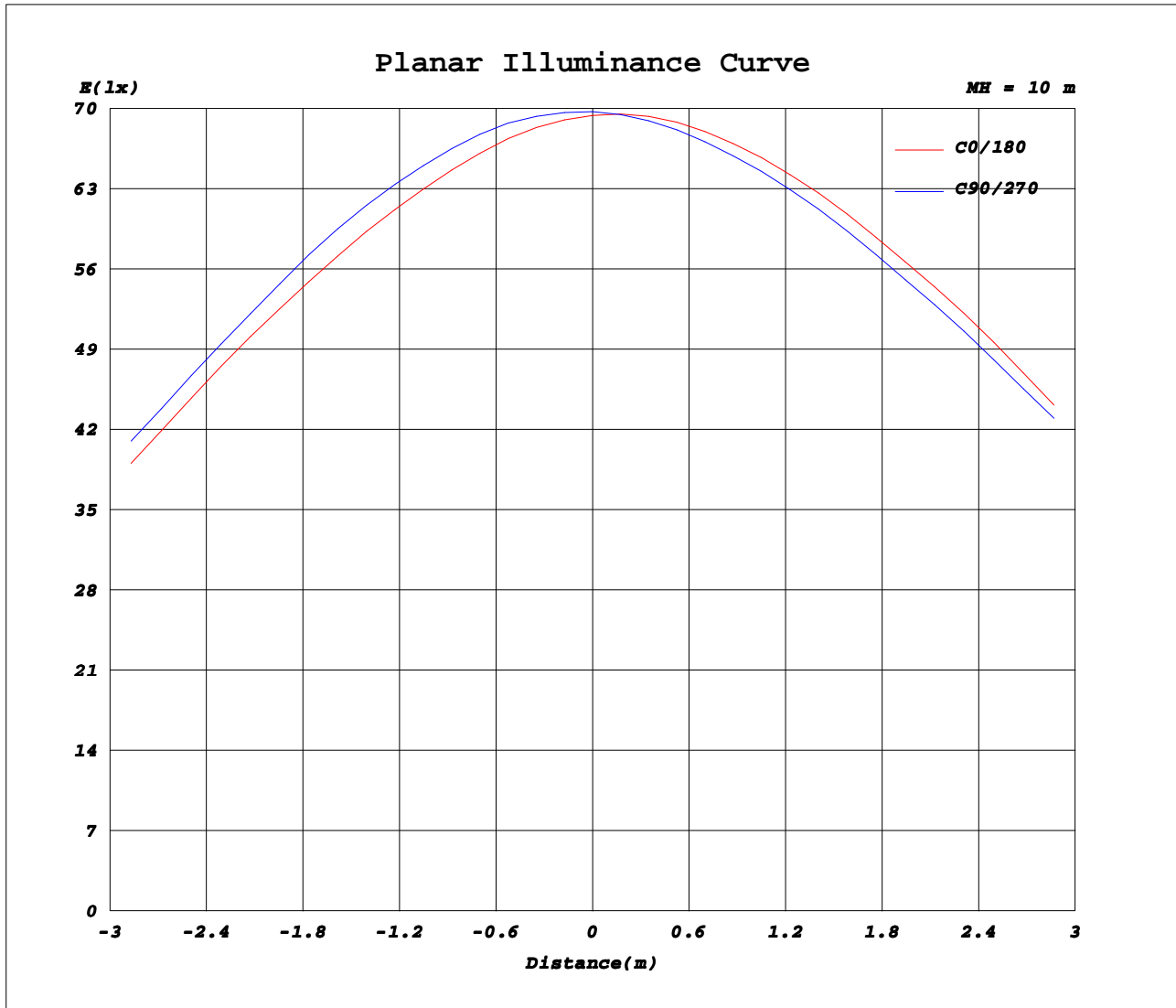
Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜: X7030-Y-50D-R, LED: PB4-3030BA5-WPDD
PCB: LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: 透镜: X7030-Y-50D-R, LED: PB4-3030BA5-WPDD
PCB: LS-N-2X9S5P-V1.0, 电源: SC42W300-105
CG-4(1050mA)

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1490A P:30.600W PF:0.9270 Freq:50.00Hz Lamp Flux:3437.06x1 lm		
Name: LS-N 1200 32W CCT(3000K+5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	6941	6952	6963	6972	6971	6957	6941	6950	6963	6972	6971	6960							
5	6538	6640	6700	6727	6741	6759	6772	6717	6677	6664	6634	6592							
10	5747	5859	5941	5993	6011	6073	6151	6079	6018	5993	5914	5827							
15	4650	4752	4818	4863	4924	5058	5208	5146	5083	5055	4969	4834							
20	3310	3442	3529	3584	3637	3769	3939	3945	3936	3921	3801	3596							
25	2035	2068	2120	2188	2242	2397	2608	2649	2668	2668	2537	2322							
30	615	760	875	950	943	1022	1198	1328	1425	1440	1255	969							
35	209	224	240	254	258	280	330	408	484	517	416	301							
40	54.3	75.4	75.8	66.3	79.3	95.5	112	138	152	147	135	106							
45	19.6	24.7	24.4	21.5	25.0	28.7	32.5	41.6	44.4	40.6	41.1	35.2							
50	9.35	10.9	11.2	10.8	10.9	12.3	14.8	17.8	19.2	18.8	18.1	15.2							
55	4.65	5.78	6.43	6.60	6.09	6.33	7.60	9.21	10.7	11.3	10.2	7.88							
60	2.37	3.17	3.73	3.97	3.48	3.38	4.08	5.58	7.17	8.05	6.80	4.77							
65	1.23	1.73	2.12	2.32	1.95	2.11	3.01	4.20	5.48	6.24	5.24	3.47							
70	0.81	1.15	1.47	1.67	1.29	1.68	2.91	3.89	4.86	5.47	4.76	3.17							
75	0.77	1.06	1.44	1.74	1.22	1.79	3.46	4.25	4.96	5.47	4.97	3.42							
80	0.82	1.12	1.69	2.21	1.39	2.02	4.08	4.76	5.32	5.78	5.42	3.82							
85	0.99	1.33	1.86	2.30	1.51	2.36	4.68	5.17	5.45	5.78	5.73	4.27							
90	1.39	1.70	2.13	2.47	1.73	2.75	5.26	5.64	5.74	5.96	6.09	4.74							
95	2.06	2.16	2.45	2.72	2.08	3.27	5.91	6.17	6.06	6.12	6.43	5.28							
100	2.92	2.95	3.18	3.43	2.91	4.19	6.81	6.88	6.64	6.70	7.06	6.01							
105	4.05	4.09	4.37	4.68	4.19	5.40	7.85	7.82	7.52	7.56	7.94	6.97							
110	5.62	5.72	6.06	6.44	5.98	6.91	8.93	9.00	8.78	8.76	9.11	8.26							
115	7.77	7.91	8.28	8.66	8.21	8.87	10.5	10.6	10.5	10.5	10.7	9.94							
120	10.6	10.8	11.1	11.3	10.9	11.3	12.4	12.7	12.7	12.6	12.8	12.2							
125	14.1	14.4	14.5	14.4	14.2	14.4	15.1	15.4	15.4	15.2	15.4	15.1							
130	18.5	18.7	18.5	18.1	18.0	18.2	18.4	18.7	18.6	18.3	18.7	18.8							
135	23.6	23.7	23.0	22.1	22.4	22.6	22.3	22.7	22.5	21.9	22.5	23.2							
140	29.5	29.1	27.8	26.3	27.2	27.6	27.1	27.4	26.9	25.9	26.9	28.2							
145	36.3	34.4	32.4	30.9	32.3	33.1	32.5	32.6	31.6	30.2	31.5	33.7							
150	43.0	39.1	36.6	35.7	37.6	38.7	38.1	38.0	36.6	34.8	36.0	38.9							
155	48.3	43.1	40.7	41.0	43.3	44.1	43.0	43.0	41.7	39.6	40.2	43.1							
160	52.0	46.3	44.8	46.3	48.5	48.5	46.7	47.3	46.6	44.6	44.1	46.4							
165	54.4	49.5	49.0	51.4	53.0	51.9	49.0	50.4	50.9	49.6	48.3	49.6							
170	56.4	52.8	53.1	55.8	56.7	54.6	51.3	53.0	54.4	54.2	52.7	53.0							
175	57.7	55.7	56.6	59.0	59.1	57.0	54.3	55.2	56.8	57.8	56.6	56.2							
180	57.5	57.0	58.1	59.9	59.4	58.4	57.5	57.1	58.1	59.9	59.4	58.5							

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