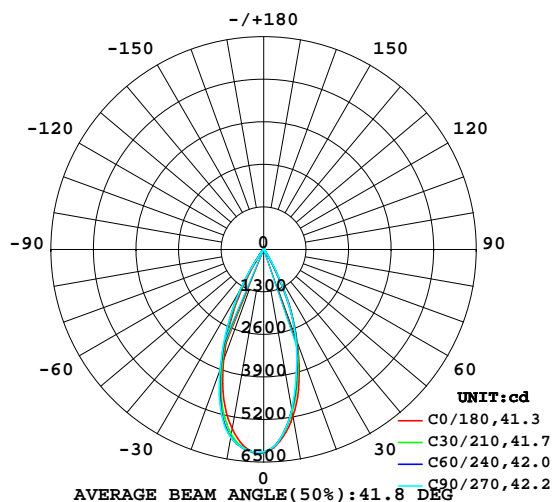


LUMINAIRE PHOTOMETRIC TEST REPORT

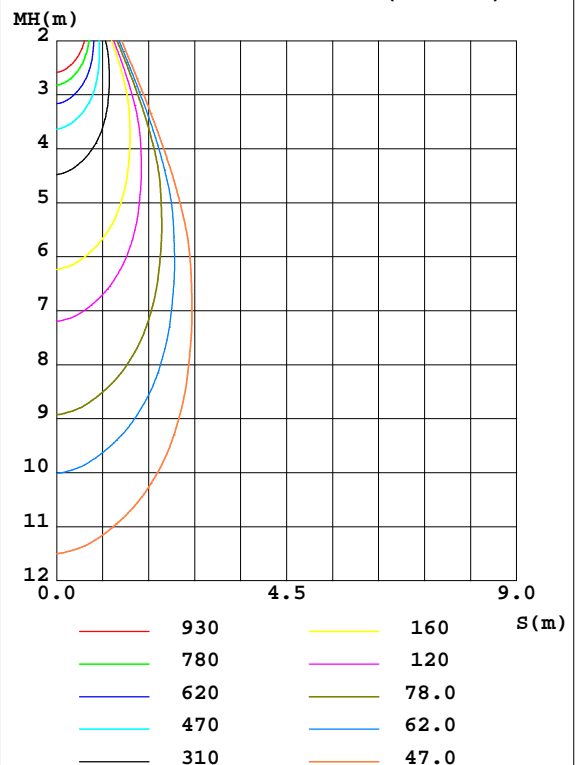
Test:U:220.70V I:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.15 lm/W
MODEL		Imax(cd)	6233	S/MH(C0/180)	0.69	
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	0.72	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3105.6	η UP,DN(C0-180)	1.6,42.8	
NOMINAL FLUX(lm)	3105.63	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.6,54.0	
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:

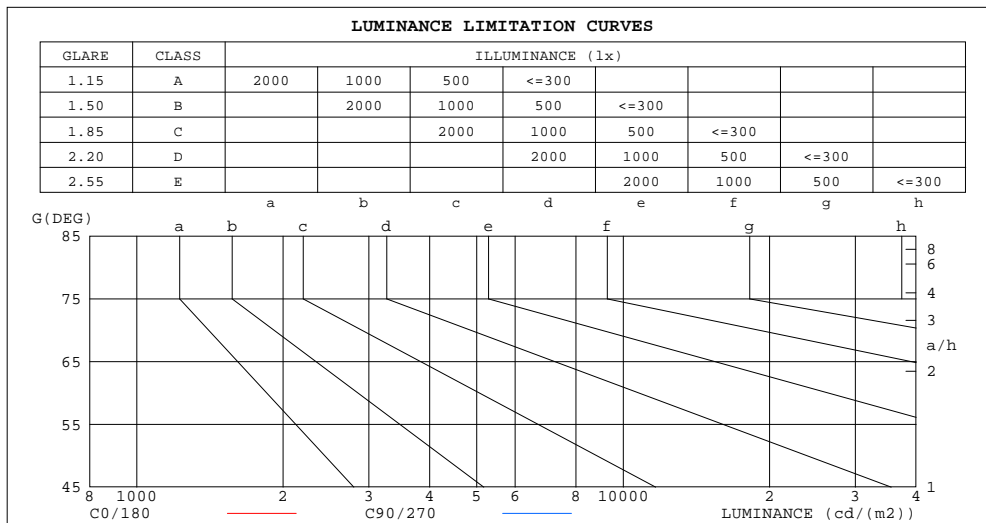
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5176	5003	4973	5131	5567	5775	5828	5573	0- 10	551.2	551.2	17.7,17.7
20	2990	2935	2885	3129	3576	3803	3909	3526	10- 20	1224	1776	57.2,57.2
30	568.0	645.8	730.7	762.5	1094	1383	1470	1126	20- 30	958.7	2734	88,88
40	49.46	72.43	69.17	84.25	103.2	124.0	111.1	100.7	30- 40	228.4	2963	95.4,95.4
50	8.555	10.18	9.745	10.78	13.63	16.29	16.54	14.62	40- 50	26.96	2990	96.3,96.3
60	2.180	3.063	3.475	3.053	3.760	5.905	7.429	5.286	50- 60	6.664	2996	96.5,96.5
70	0.7472	1.148	1.432	1.309	2.640	3.981	5.001	3.571	60- 70	3.057	2999	96.6,96.6
80	0.7492	1.234	1.810	1.489	3.692	4.612	5.266	4.187	70- 80	2.775	3002	96.7,96.7
90	1.276	1.740	2.176	2.012	4.772	5.188	5.407	4.893	80- 90	3.427	3006	96.8,96.8
100	2.677	2.861	3.207	3.264	6.174	6.100	5.997	5.856	90-100	4.233	3010	96.9,96.9
110	5.118	5.480	6.057	5.970	8.122	7.930	7.725	7.707	100-110	5.840	3016	97.1,97.1
120	9.574	10.15	10.63	10.34	11.31	11.22	11.03	11.01	110-120	8.468	3024	97.4,97.4
130	16.72	17.26	16.92	16.76	16.68	16.48	15.97	16.47	120-130	12.04	3036	97.8,97.8
140	26.75	26.40	24.52	25.35	24.56	23.97	22.67	24.25	130-140	15.87	3052	98.3,98.3
150	39.02	35.05	33.24	35.24	34.47	32.87	30.37	32.96	140-150	18.39	3070	98.9,98.9
160	47.33	41.95	42.95	44.50	42.24	41.53	39.12	40.02	150-160	17.64	3088	99.4,99.4
170	51.24	48.49	51.26	50.67	46.47	47.95	47.84	46.90	160-170	12.84	3101	99.8,99.8
180	52.06	52.09	53.81	52.88	52.19	52.14	53.91	52.84	170-180	4.813	3106	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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	297	653
80	123	298
75	78	163
70	62	120
65	77	134
60	125	199
55	212	288
50	380	433
45	722	859

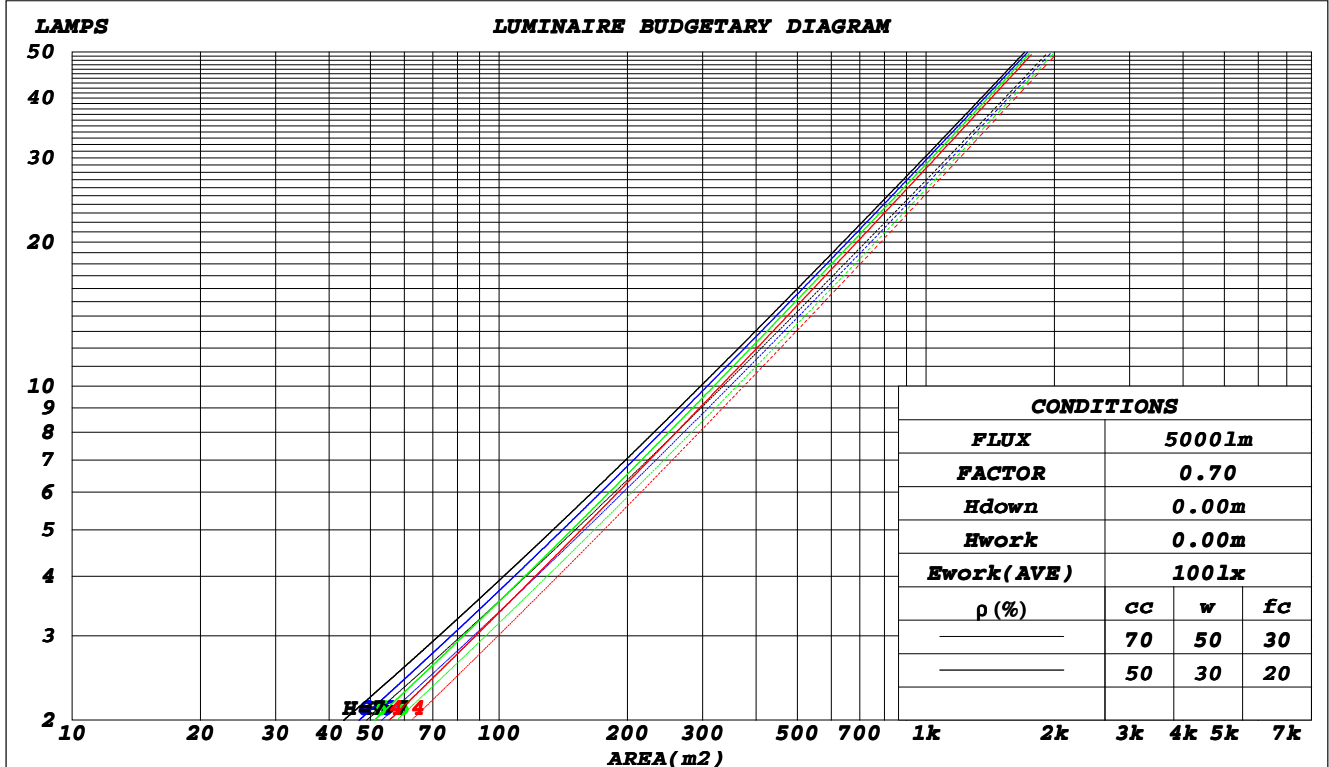
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-09-27

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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz		
Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(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	1.08	1.07	1.05	1.04	1.02	1.01	.90	.98	.97	.96	.95	.94	.92
2.0	1.04	1.01	.98	1.03	.99	.97	.99	.96	.94	.95	.93	.92	.92	.91	.89	.88
3.0	.99	.94	.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	.80	.77	.74	.79	.76	.73	.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	.65	.72	.68	.65	.71	.67	.65	.70	.67	.64	.63
10.0	.71	.66	.63	.70	.66	.63	.69	.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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz		
Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(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	.087	.027	.137	.079	.025	.124	.072	.023	.112	.065	.021		
2.0	.149	.082	.025	.143	.079	.024	.131	.073	.023	.120	.067	.021	.109	.062	.019		
3.0	.141	.075	.022	.135	.072	.022	.125	.068	.021	.115	.063	.019	.106	.059	.018		
4.0	.133	.069	.020	.128	.067	.020	.119	.063	.019	.111	.060	.018	.103	.056	.017		
5.0	.126	.064	.019	.122	.063	.018	.114	.059	.017	.107	.056	.017	.100	.053	.016		
6.0	.120	.060	.017	.116	.059	.017	.109	.056	.016	.103	.054	.016	.097	.051	.015		
7.0	.115	.057	.016	.111	.055	.016	.105	.053	.015	.099	.051	.015	.094	.049	.014		
8.0	.110	.054	.015	.107	.053	.015	.101	.051	.014	.096	.049	.014	.091	.047	.014		
9.0	.105	.051	.014	.103	.050	.014	.098	.048	.014	.093	.047	.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	.102	.072	.051	.070	.050	.036	.041	.030	.022	.013	.010	.007	
10.0	.113	.078	.055	.098	.068	.048	.068	.048	.034	.040	.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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm										
Name: LS-N 1200 32W CCT(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	4.6	5.4	4.9	5.6	5.8	5.7	6.4	5.9	6.6	6.9
3H	4.5	5.2	4.8	5.4	5.7	5.5	6.2	5.8	6.5	6.7
4H	4.4	5.1	4.7	5.3	5.6	5.4	6.1	5.7	6.4	6.6
6H	4.3	4.9	4.6	5.2	5.5	5.4	6.0	5.7	6.3	6.6
8H	4.2	4.9	4.6	5.2	5.5	5.3	6.0	5.7	6.3	6.6
12H	4.2	4.8	4.6	5.1	5.5	5.4	5.9	5.7	6.3	6.6
4H 2H	4.4	5.1	4.7	5.3	5.6	5.4	6.1	5.7	6.3	6.6
3H	4.2	4.8	4.6	5.1	5.4	5.2	5.8	5.6	6.1	6.5
4H	4.1	4.6	4.5	5.0	5.3	5.1	5.7	5.5	6.0	6.4
6H	4.0	4.5	4.4	4.9	5.3	5.1	5.6	5.5	5.9	6.4
8H	4.0	4.4	4.4	4.8	5.2	5.1	5.5	5.5	5.9	6.4
12H	4.0	4.4	4.4	4.8	5.2	5.2	5.6	5.6	6.0	6.4
8H 4H	3.9	4.4	4.4	4.8	5.2	5.0	5.4	5.4	5.8	6.3
6H	3.9	4.2	4.3	4.7	5.2	5.0	5.3	5.4	5.8	6.2
8H	3.8	4.2	4.3	4.6	5.1	5.0	5.3	5.5	5.8	6.3
12H	3.9	4.1	4.4	4.6	5.2	5.1	5.4	5.6	5.9	6.4
12H 4H	3.9	4.3	4.4	4.7	5.2	4.9	5.3	5.4	5.8	6.2
6H	3.8	4.1	4.3	4.6	5.1	4.9	5.2	5.4	5.7	6.2
8H	3.8	4.1	4.3	4.6	5.1	5.0	5.2	5.5	5.7	6.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.8 / - 8.0					+ 3.8 / - 6.2				
1.5H	+ 6.3 / - 6.9					+ 6.3 / - 5.7				
2.0H	+ 3.8 / - 2.2					+ 3.0 / - 1.1				

CIE Pub.117, 3106 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.9$)
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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

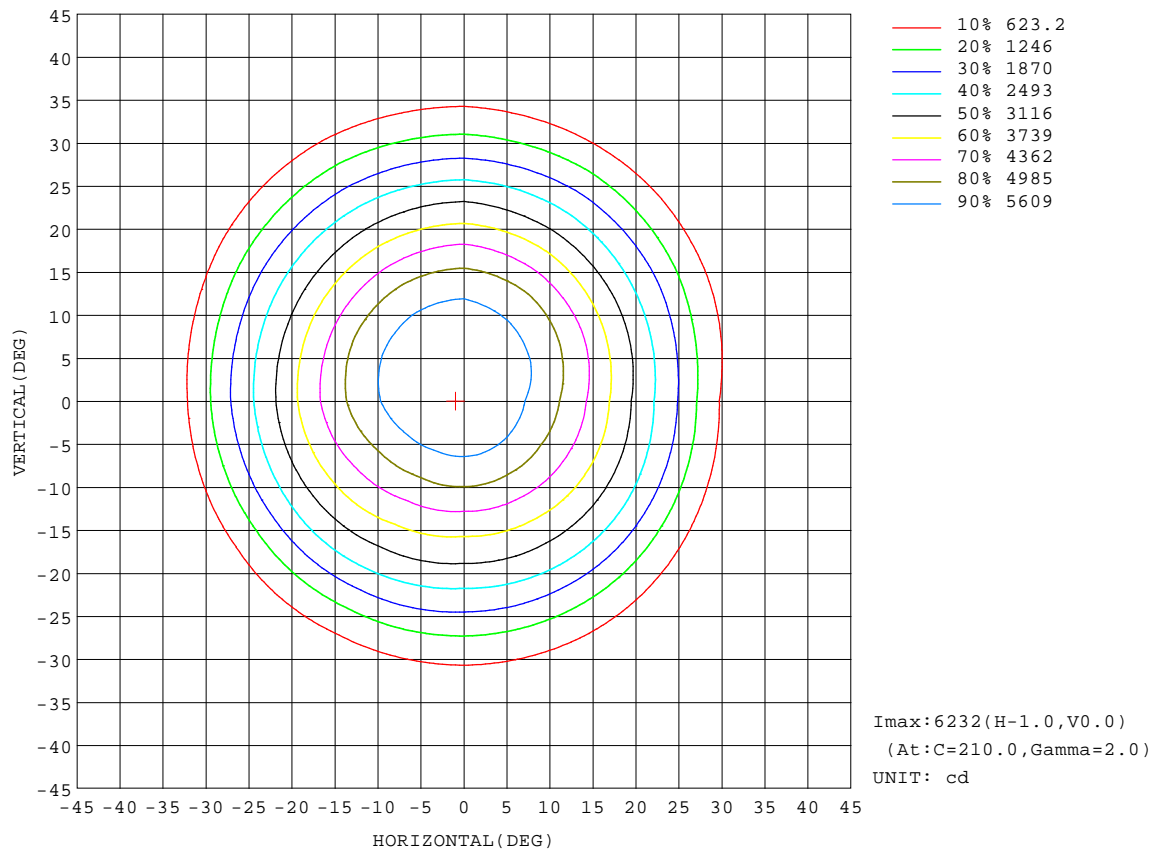
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	89	86	83
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					SHR NOM = 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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	



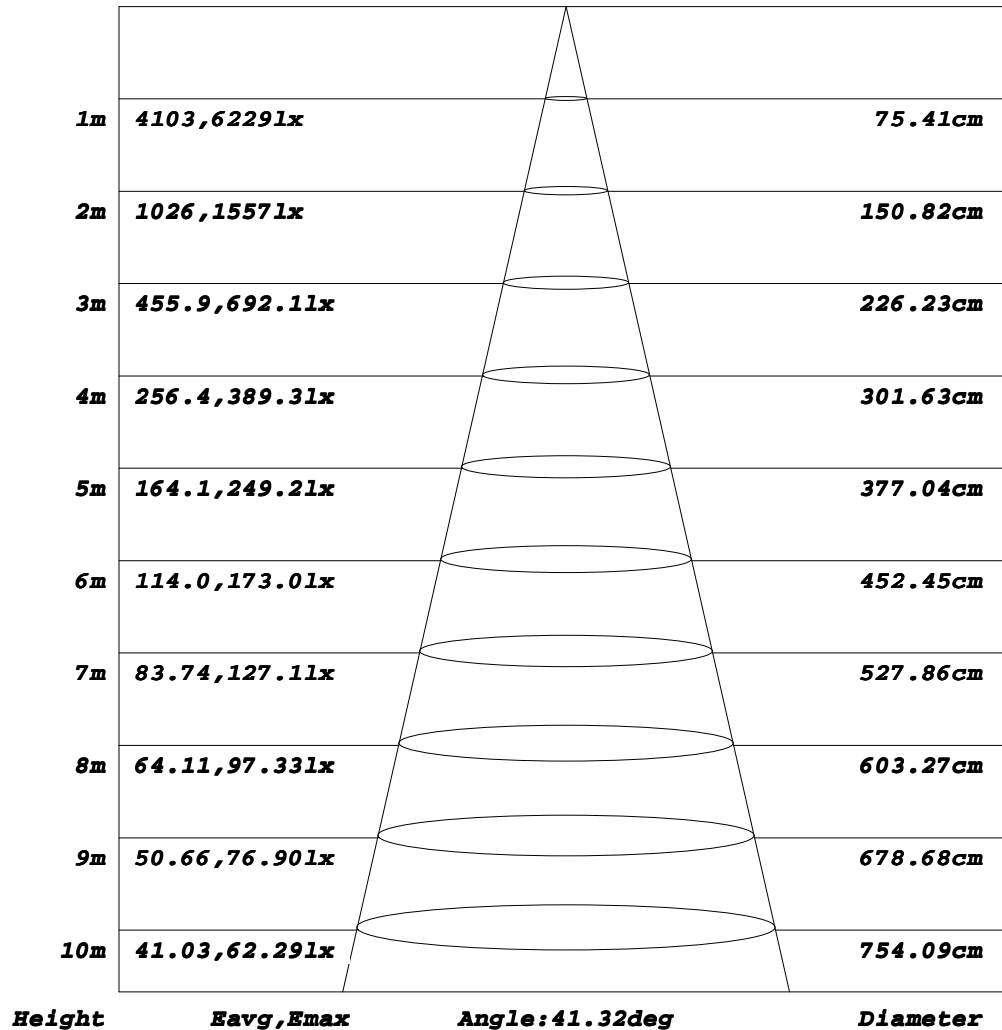
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-27

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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	

Flux out:1899 lm



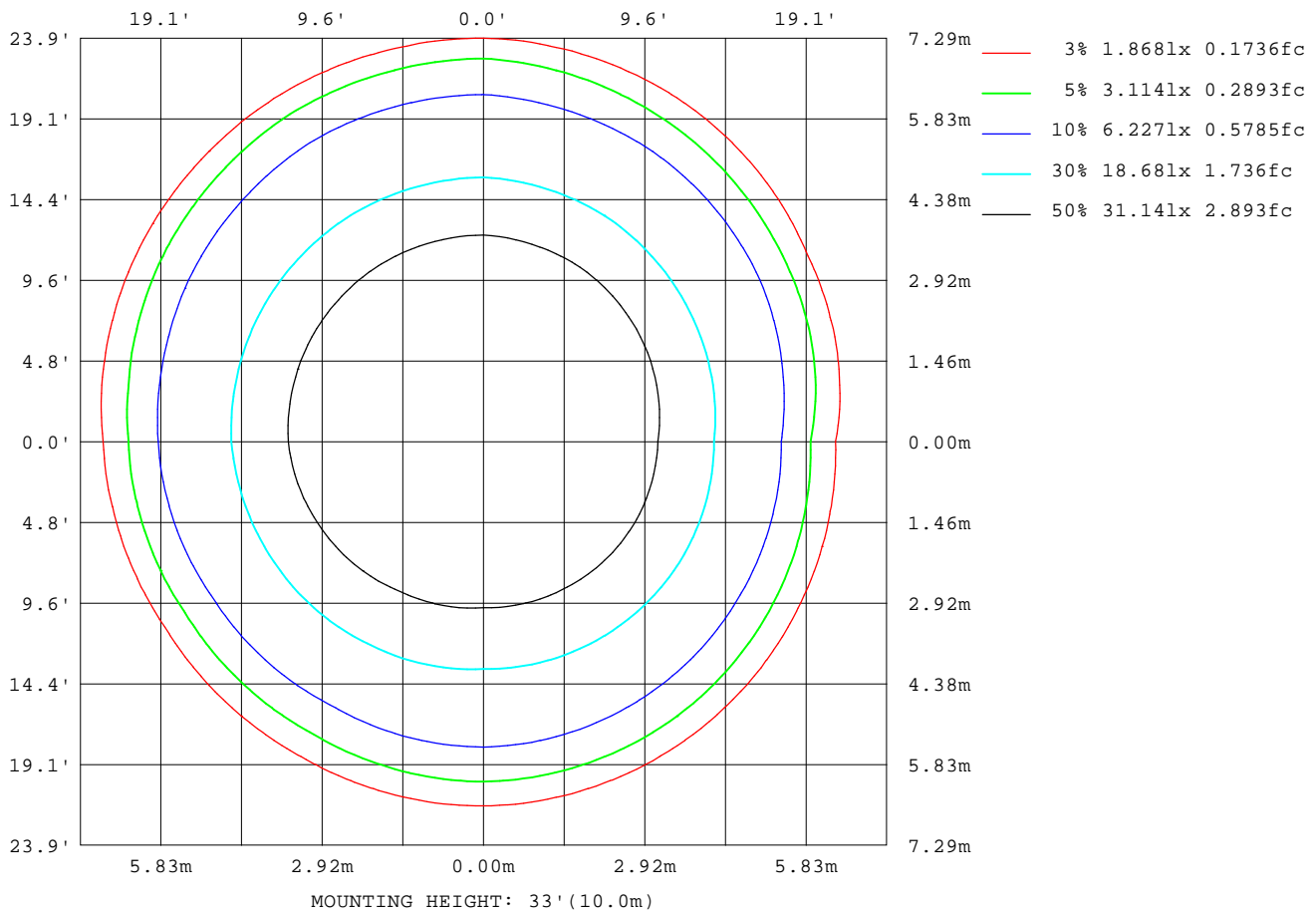
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

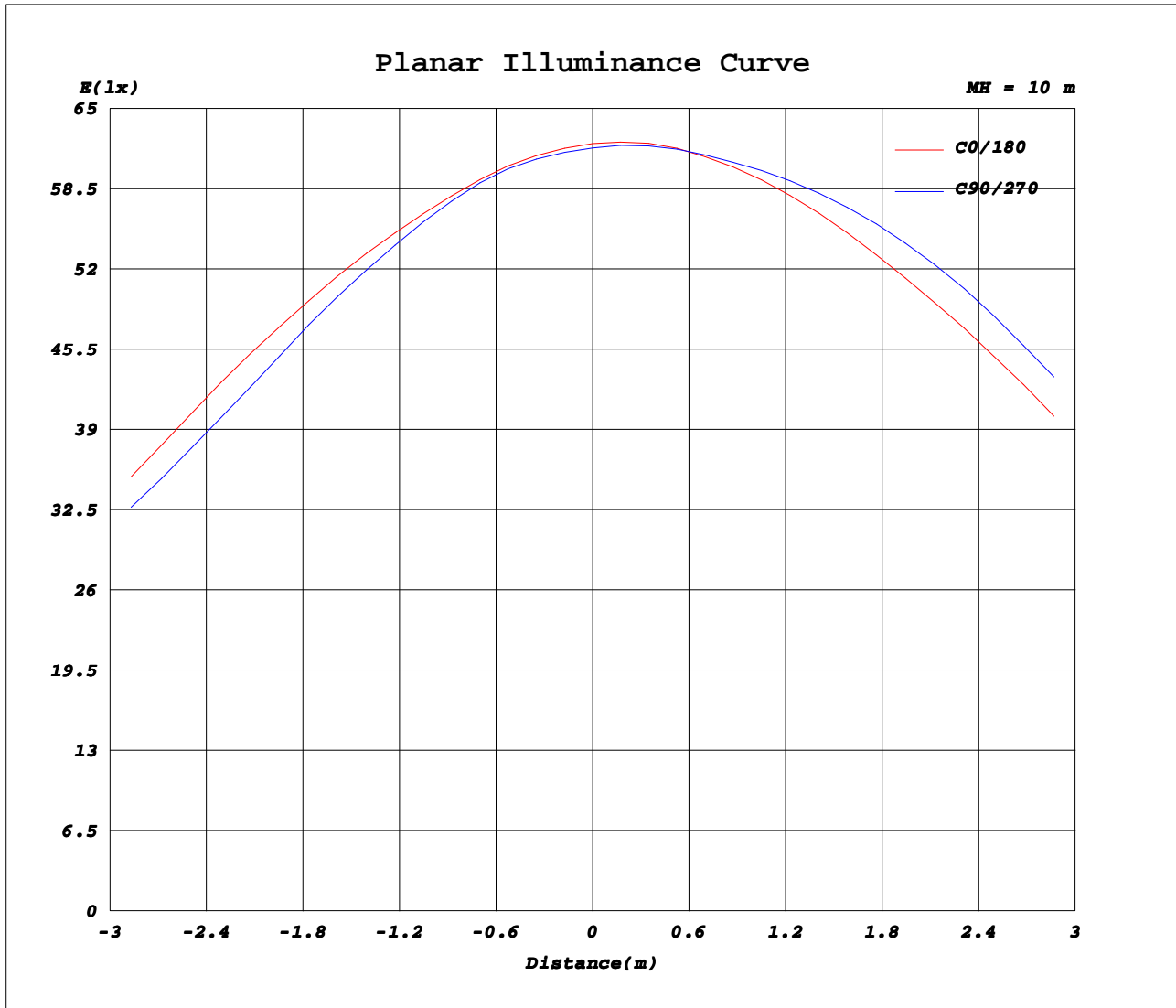
Test:U:220.70V I:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(5000K)	Type: 长条形	
MFR.:	DIM.: 1205*36*92mm	
	SUR.: 1192*30mm	



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:0.1570A P:32.300W PF:0.9330 Freq:50.00Hz Lamp Flux:3105.63x1 lm		
Name: LS-N 1200 32W CCT(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	6216	6210	6197	6182	6178	6193	6216	6212	6197	6182	6178	6188							
5	5862	5827	5813	5818	5840	5944	6096	6135	6144	6136	6081	5989							
10	5176	5036	4970	4973	5022	5240	5567	5731	5820	5828	5685	5461							
15	4188	4035	3924	3888	4007	4323	4733	4923	5043	5082	4890	4581							
20	2990	2959	2911	2885	3000	3257	3576	3742	3865	3909	3687	3364							
25	1828	1751	1725	1755	1841	2064	2366	2512	2625	2670	2456	2157							
30	568	616	676	731	703	822	1094	1312	1454	1470	1280	971							
35	189	203	215	226	231	253	303	394	481	513	389	263							
40	49.5	70.5	74.4	69.2	78.2	90.3	103	123	125	111	109	91.9							
45	17.9	24.1	24.2	21.3	25.2	28.3	29.9	35.0	35.3	31.0	32.8	29.6							
50	8.56	10.1	10.3	9.75	10.1	11.5	13.6	15.8	16.8	16.5	15.9	13.4							
55	4.25	5.24	5.73	5.79	5.39	5.73	7.00	8.50	9.89	10.6	9.38	7.20							
60	2.18	2.84	3.29	3.48	3.06	3.04	3.76	5.17	6.64	7.43	6.23	4.34							
65	1.13	1.54	1.84	1.99	1.70	1.89	2.76	3.86	5.03	5.71	4.75	3.12							
70	0.75	1.02	1.28	1.43	1.12	1.50	2.64	3.53	4.43	5.00	4.30	2.84							
75	0.71	0.94	1.24	1.48	1.04	1.60	3.13	3.87	4.52	4.98	4.50	3.09							
80	0.75	1.02	1.45	1.81	1.17	1.81	3.69	4.35	4.87	5.27	4.91	3.46							
85	0.90	1.22	1.66	1.99	1.31	2.12	4.24	4.71	4.98	5.27	5.19	3.85							
90	1.28	1.56	1.92	2.18	1.54	2.49	4.77	5.14	5.23	5.41	5.50	4.28							
95	1.89	2.00	2.25	2.48	1.91	2.98	5.35	5.59	5.49	5.51	5.78	4.75							
100	2.68	2.75	2.98	3.21	2.70	3.83	6.17	6.22	5.98	6.00	6.32	5.40							
105	3.70	3.80	4.09	4.40	3.92	4.95	7.12	7.04	6.72	6.73	7.07	6.24							
110	5.12	5.29	5.67	6.06	5.58	6.36	8.12	8.08	7.78	7.73	8.06	7.36							
115	7.06	7.30	7.74	8.14	7.67	8.15	9.46	9.45	9.24	9.18	9.42	8.84							
120	9.57	9.95	10.4	10.6	10.2	10.5	11.3	11.3	11.1	11.0	11.2	10.8							
125	12.7	13.2	13.5	13.5	13.2	13.3	13.7	13.7	13.5	13.3	13.5	13.4							
130	16.7	17.3	17.3	16.9	16.8	16.7	16.7	16.6	16.3	16.0	16.3	16.6							
135	21.3	21.9	21.5	20.6	20.8	20.7	20.2	20.2	19.7	19.1	19.7	20.5							
140	26.8	26.9	25.9	24.5	25.3	25.4	24.6	24.3	23.6	22.7	23.5	25.0							
145	32.9	31.7	30.1	28.7	30.0	30.3	29.3	28.9	27.7	26.4	27.6	29.8							
150	39.0	36.1	34.0	33.2	34.9	35.6	34.5	33.7	32.1	30.4	31.5	34.4							
155	43.9	39.5	37.7	38.1	40.0	40.4	38.8	38.2	36.6	34.7	35.2	38.3							
160	47.3	42.5	41.4	42.9	44.7	44.3	42.2	42.1	41.0	39.1	38.8	41.3							
165	49.5	45.4	45.2	47.6	48.7	47.3	44.4	45.0	44.9	43.5	42.5	44.2							
170	51.2	48.2	48.7	51.3	51.7	49.6	46.5	47.5	48.4	47.8	46.5	47.3							
175	52.4	50.8	51.6	53.6	53.4	51.6	49.3	49.8	50.9	51.5	50.3	50.2							
180	52.1	51.7	52.5	53.8	53.2	52.5	52.2	51.8	52.5	53.9	53.2	52.4							

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