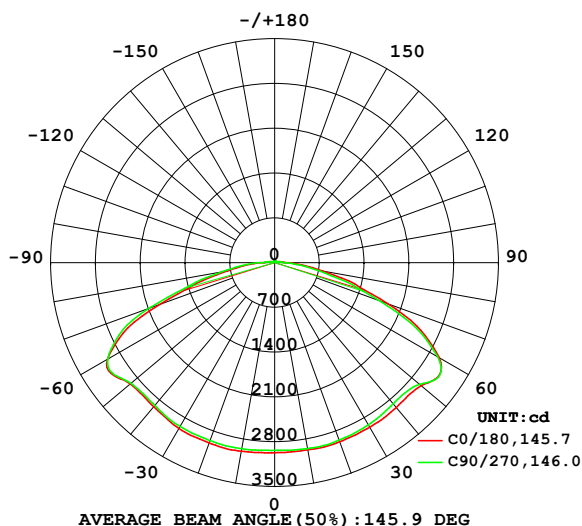


LUMINAIRE PHOTOMETRIC TEST REPORT

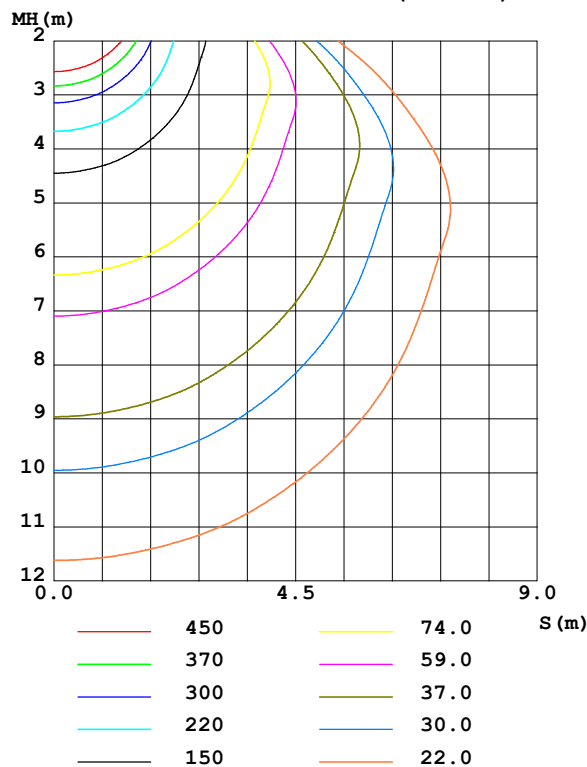
Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.22 lm/W			
MODEL	ASD-CAN09S-A100BK	I _{max} (cd)	3121	S/MH (C0/180)	1.53
NOMINAL POWER(W)	100	LOR (%)	100.0	S/MH (C90/270)	1.53
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	14363	□ UP,DN (C0-180)	1.1,48.1
NOMINAL FLUX(lm)	14362.8	CIE CLASS	DIRECT	□ UP,DN (C180-360)	1.3,49.5
LAMPS INSIDE	1	□ up (%)	2.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	277	□ down (%)	97.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-12-20

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	2973	2960	2952	2945	2993	2975	2954	2936	0- 10	281.7	281.7	1.96,1.96
20	2979	2972	2953	2967	2998	2998	2960	2950	10- 20	841.0	1123	7.82,7.82
30	2970	2926	2928	2920	2994	2967	2958	2923	20- 30	1370	2492	17.4,17.4
40	2957	2807	2881	2799	2941	2867	2915	2829	30- 40	1831	4323	30.1,30.1
50	2994	2681	2962	2661	2948	2728	2937	2707	40- 50	2201	6524	45.4,45.4
60	2968	2698	2939	2639	3019	2680	3012	2679	50- 60	2572	9096	63.3,63.3
70	1882	2459	1738	2398	1908	2539	2089	2501	60- 70	2574	11670	81.3,81.3
80	760.9	1344	653.3	1331	754.8	1515	834.7	1498	70- 80	1684	13354	93,93
90	193.0	274.5	158.9	272.8	180.0	404.7	228.6	401.6	80- 90	659.9	14014	97.6,97.6
100	90.93	105.9	83.03	105.4	95.00	124.3	98.78	123.4	90-100	169.5	14184	98.8,98.8
110	42.35	31.33	35.93	32.14	47.36	41.20	44.49	41.45	100-110	69.55	14253	99.2,99.2
120	25.18	19.16	24.71	19.25	29.25	23.43	29.28	23.38	110-120	29.27	14283	99.4,99.4
130	21.43	22.23	21.82	21.95	24.65	24.60	24.58	24.61	120-130	20.80	14303	99.6,99.6
140	24.34	25.35	24.71	24.99	26.47	26.92	26.15	26.86	130-140	18.90	14322	99.7,99.7
150	26.74	27.10	26.88	26.84	28.05	28.28	27.78	28.14	140-150	16.73	14339	99.8,99.8
160	28.07	27.88	27.99	27.70	28.75	28.58	28.48	28.38	150-160	12.88	14352	99.9,99.9
170	29.03	28.71	28.73	28.48	29.25	28.89	28.84	28.69	160-170	8.064	14360	100,100
180	29.63	29.26	29.24	29.05	29.73	29.35	29.30	29.10	170-180	2.763	14363	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5381.2 lm

%lum = 37.5%

%lamp = 37.5%

Conical surface Flux(130deg): 10443 lm

%lum = 72.7%

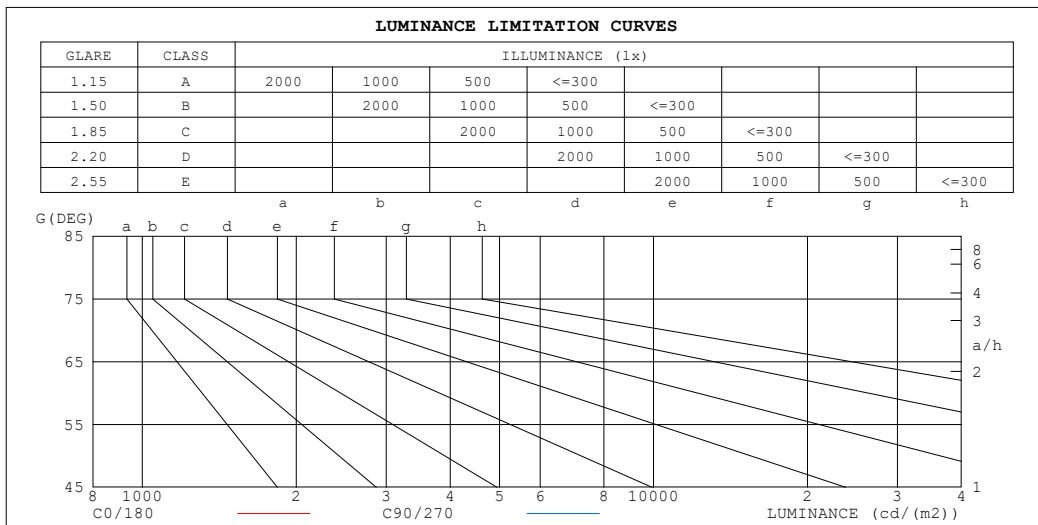
%lamp = 72.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-12-20

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:



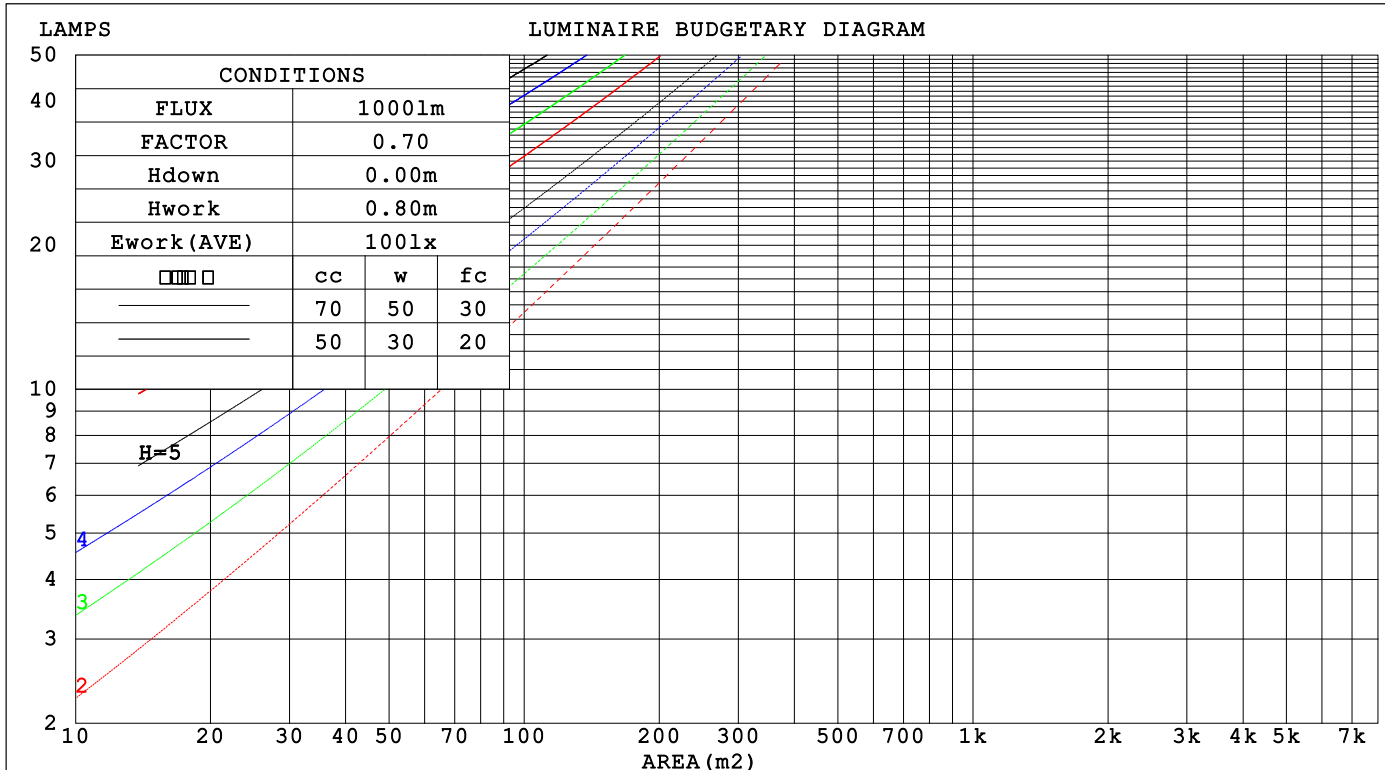
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.600m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK			TYPE: 100W			WEIGHT:		
SPEC.: N/A			DIM.:			SERIAL No.: 1		
MFR.: ASD Lighting Corp			SUR.: 0.25*0.25			Shielding Angle:		

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-12-20

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK			TYPE: 100W			WEIGHT:		
SPEC.: N/A			DIM.:			SERIAL No.: 1		
MFR.: ASD Lighting Corp			SUR.: 0.25*0.25			Shielding Angle:		

☐ cc	80%			70%			50%			30%			10%			0	
☐ w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
☐ fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.383	.218	.069	.375	.214	.068	.360	.206	.066	.346	.199	.064	.333	.193	.062		
2.0	.346	.190	.058	.339	.187	.058	.326	.181	.056	.313	.176	.055	.302	.171	.054		
3.0	.313	.166	.050	.306	.164	.049	.294	.159	.048	.283	.155	.048	.273	.151	.047		
4.0	.283	.147	.043	.277	.145	.043	.266	.141	.042	.256	.138	.042	.247	.134	.041		
5.0	.258	.131	.038	.252	.130	.038	.243	.126	.037	.234	.123	.037	.225	.120	.036		
6.0	.236	.118	.034	.231	.117	.034	.223	.114	.033	.215	.112	.033	.207	.109	.032		
7.0	.217	.107	.030	.213	.106	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029		
8.0	.201	.098	.028	.197	.097	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027		
9.0	.187	.090	.025	.184	.089	.025	.177	.088	.025	.171	.086	.025	.166	.084	.024		
10.0	.175	.084	.023	.172	.083	.023	.166	.081	.023	.161	.080	.023	.156	.078	.022		

☐ cc	80%			70%			50%			30%			10%			0
☐ w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
☐ fc	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	.204	.174	.147	.175	.149	.127	.119	.103	.088	.069	.059	.051	.022	.019	.016	
2.0	.198	.150	.110	.170	.129	.095	.116	.090	.066	.067	.052	.039	.022	.017	.013	
3.0	.192	.133	.087	.164	.115	.076	.113	.080	.053	.065	.047	.031	.021	.015	.010	
4.0	.184	.121	.072	.158	.104	.063	.109	.073	.044	.063	.043	.026	.020	.014	.009	
5.0	.176	.111	.062	.152	.096	.054	.104	.067	.038	.060	.039	.023	.019	.013	.007	
6.0	.169	.103	.055	.145	.089	.048	.100	.062	.034	.058	.037	.020	.019	.012	.007	
7.0	.161	.096	.050	.139	.083	.043	.096	.058	.031	.056	.034	.018	.018	.011	.006	
8.0	.154	.090	.046	.133	.078	.040	.092	.055	.028	.054	.032	.017	.017	.011	.006	
9.0	.148	.085	.043	.127	.074	.037	.088	.052	.027	.051	.031	.016	.017	.010	.005	
10.0	.142	.081	.040	.122	.070	.035	.085	.049	.025	.049	.029	.015	.016	.010	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz											
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm											
NAME: ASD-CAN09S-A100BK						TYPE: 100W		WEIGHT:			
SPEC.: N/A						DIM.:		SERIAL No.: 1			
MFR.: ASD Lighting Corp						SUR.: 0.25*0.25		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		28.8	30.5	29.1	30.7	31.0	28.8	30.5	29.1	30.7	31.0
3H		31.0	32.5	31.3	32.8	33.1	30.8	32.4	31.1	32.7	33.0
4H		31.7	33.2	32.0	33.5	33.8	31.4	32.9	31.8	33.2	33.5
6H		32.2	33.6	32.5	33.9	34.3	31.8	33.2	32.2	33.5	33.9
8H		32.3	33.7	32.7	34.0	34.4	31.9	33.3	32.3	33.6	34.0
12H		32.5	33.8	32.9	34.1	34.5	32.0	33.3	32.4	33.7	34.1
4H 2H		29.7	31.2	30.1	31.5	31.9	29.7	31.2	30.1	31.5	31.9
3H		32.1	33.4	32.5	33.8	34.1	31.9	33.3	32.3	33.6	34.0
4H		33.0	34.2	33.4	34.6	34.9	32.7	33.9	33.1	34.3	34.7
6H		33.6	34.7	34.0	35.1	35.5	33.2	34.3	33.6	34.7	35.1
8H		33.8	34.8	34.3	35.2	35.7	33.4	34.4	33.8	34.8	35.3
12H		34.0	34.9	34.5	35.4	35.8	33.5	34.5	34.0	34.9	35.4
8H 4H		33.5	34.5	34.0	34.9	35.4	33.3	34.3	33.7	34.7	35.2
6H		34.4	35.2	34.9	35.7	36.2	34.0	34.9	34.5	35.3	35.8
8H		34.7	35.5	35.2	35.9	36.4	34.3	35.1	34.8	35.5	36.0
12H		35.0	35.7	35.5	36.2	36.7	34.5	35.2	35.1	35.7	36.2
12H 4H		33.5	34.5	34.0	34.9	35.4	33.3	34.3	33.8	34.7	35.2
6H		34.5	35.3	35.0	35.8	36.3	34.2	35.0	34.7	35.4	35.9
8H		34.9	35.6	35.5	36.1	36.6	34.6	35.2	35.1	35.7	36.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H		+ 0.4 / - 0.6					+ 0.4 / - 0.7				

CIE Pub.117, 14363 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 9.3)
Area: 0.0625 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:

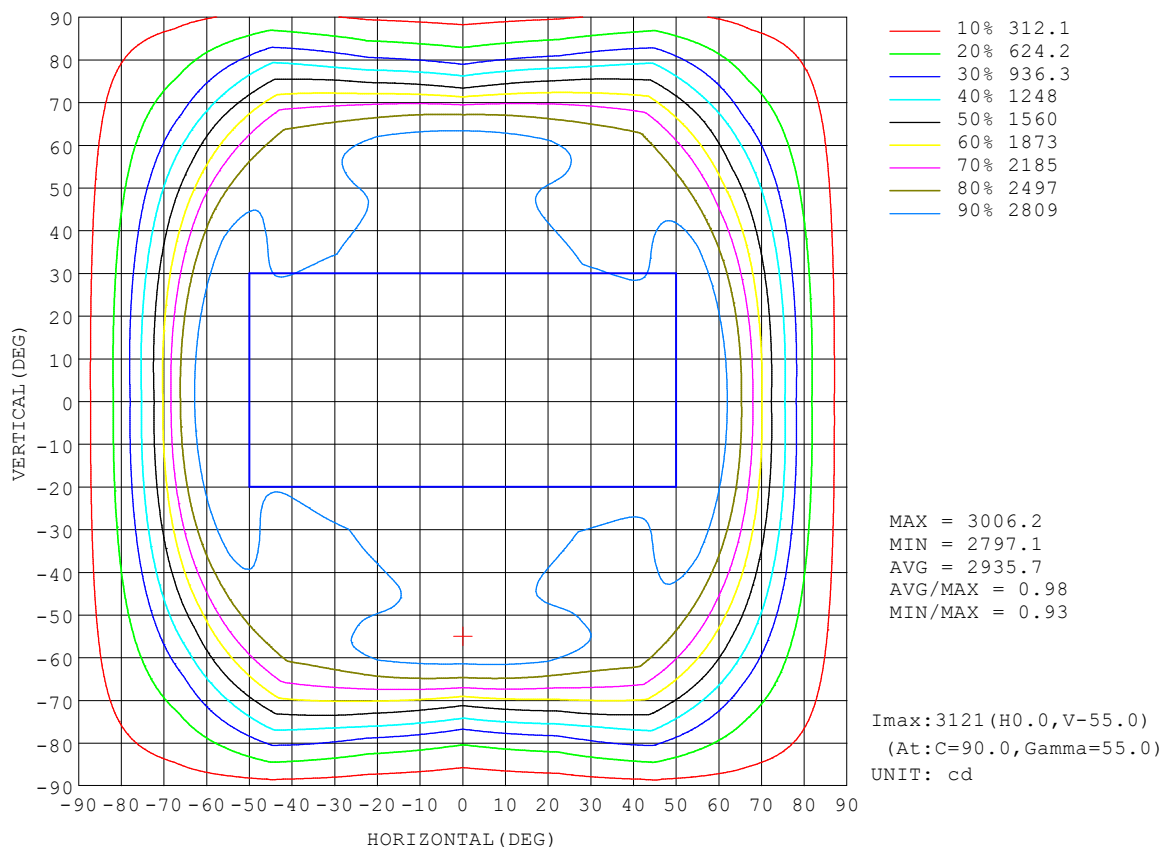
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	37	29	49	36	29	47	36	28	21
0.80	59	46	37	58	45	37	56	44	37	29
1.00	67	54	46	66	54	45	63	55	45	37
1.25	75	62	54	73	61	53	70	60	52	44
1.50	80	68	60	78	67	59	75	65	58	49
2.00	88	78	70	86	76	69	82	74	67	58
2.50	93	83	76	91	82	75	86	79	73	63
3.00	97	88	81	95	87	80	90	83	78	68
4.00	102	95	89	99	93	87	94	89	84	74
5.00	105	99	94	102	97	92	97	93	89	78
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: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:

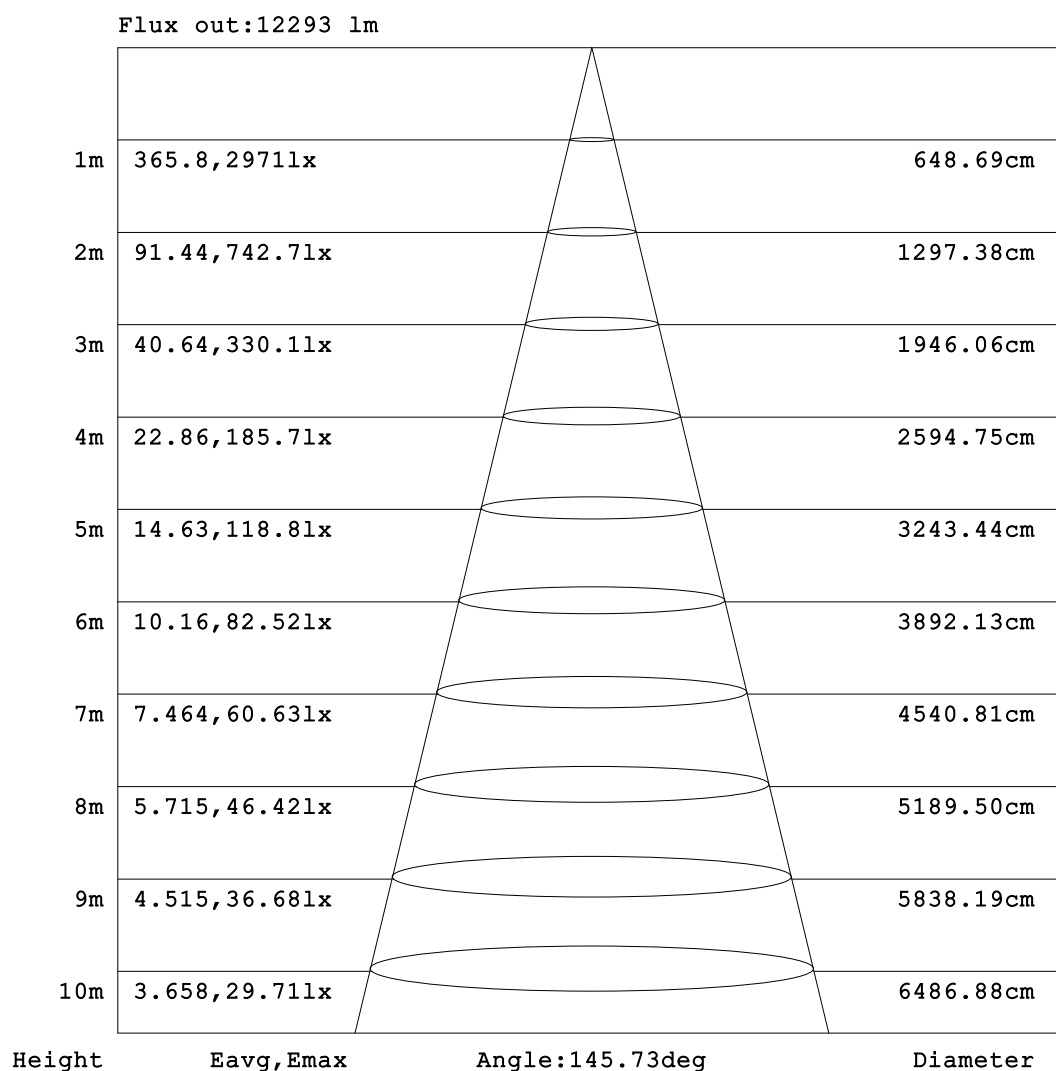


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

AAI Figure

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:



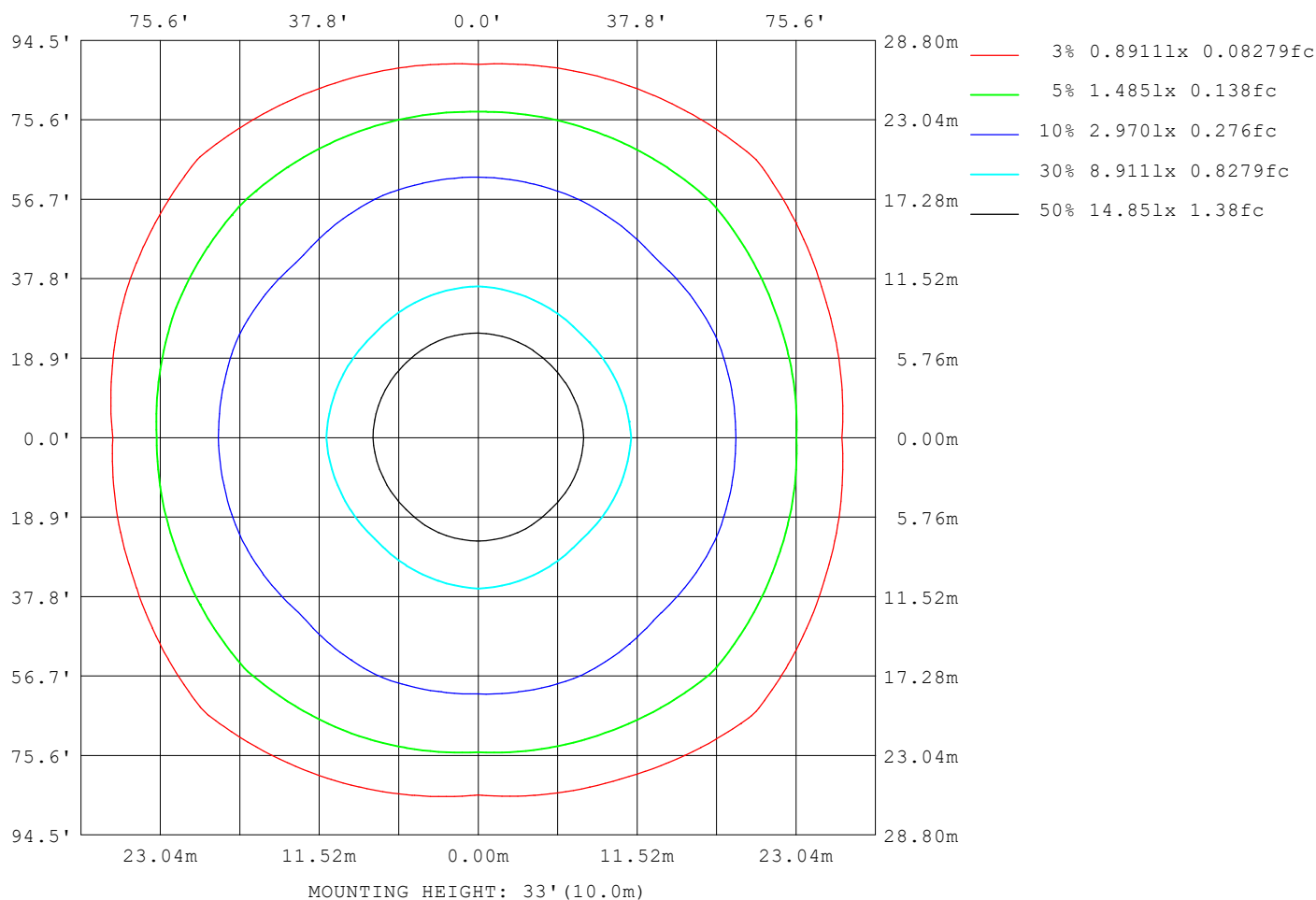
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:

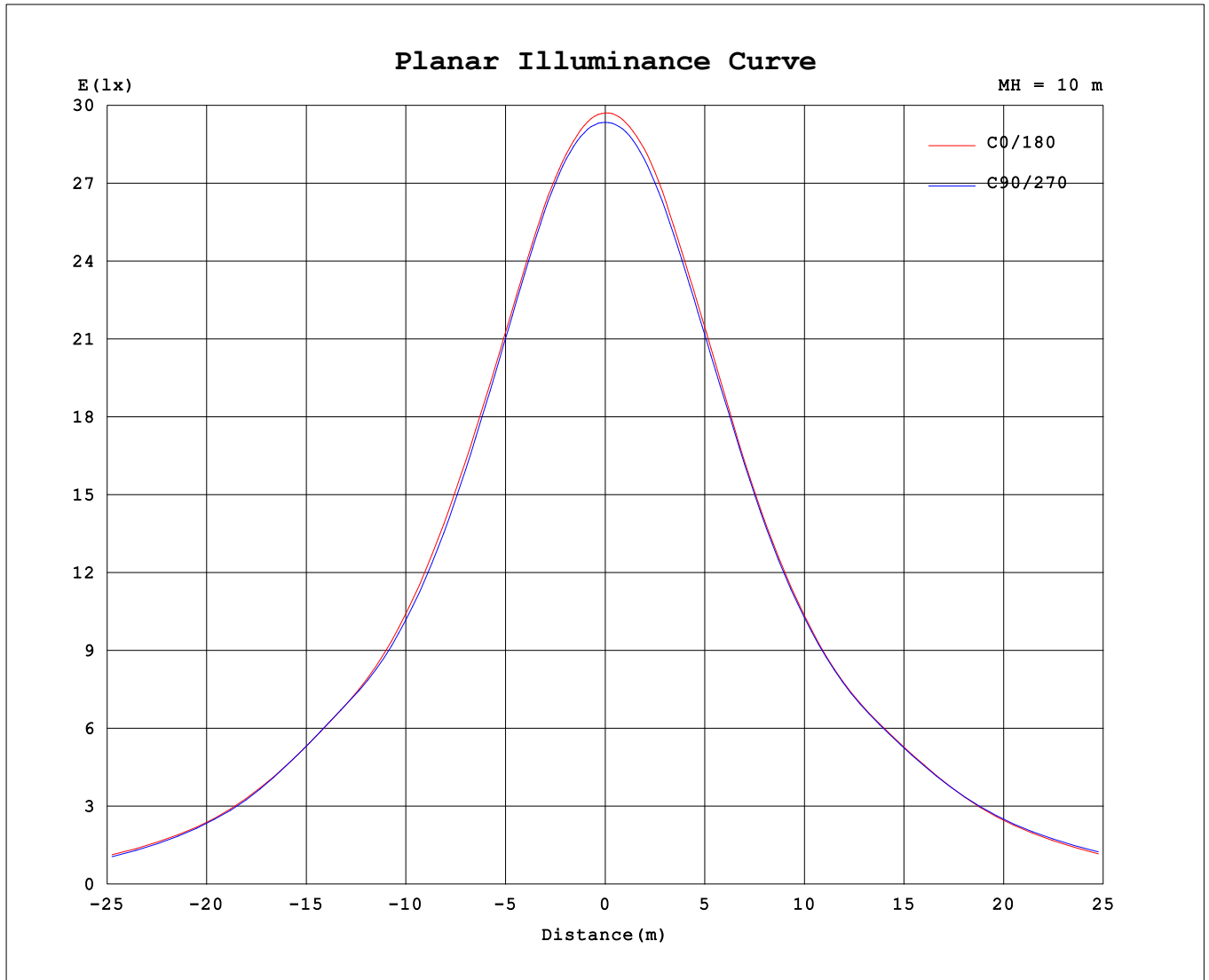
AvgL	cd/m2
L_0~180 (65) av	97416
L_0~180 (75) av	79347
L_0~180 (85) av	79928
L_90~270 (65) av	97363
L_90~270 (75) av	78078
L_90~270 (85) av	77225
L_45 (65) av	100768
L_45 (75) av	123219
L_45 (85) av	153209

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-12-20

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.600m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.68V I:0.3644A P:95.613W PF:0.9449 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14362.8x1 lm		
NAME: ASD-CAN09S-A100BK	TYPE: 100W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.25*0.25	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (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	2970	2960	2950	2942	2935	2929	2923	2920	2970	2960	2950	2942	2935	2929	2923	2920			
5	2971	2961	2954	2947	2942	2936	2933	2928	2979	2970	2961	2952	2943	2936	2928	2921			
10	2973	2965	2960	2956	2952	2949	2945	2942	2993	2984	2975	2965	2954	2946	2936	2925			
15	2982	2975	2967	2965	2961	2960	2960	2958	3006	3002	2989	2974	2962	2953	2942	2936			
20	2979	2979	2972	2961	2953	2958	2967	2953	2998	2997	2998	2974	2960	2951	2950	2940			
25	2974	2968	2960	2947	2943	2947	2952	2947	3000	2992	2988	2972	2960	2945	2946	2931			
30	2970	2952	2926	2925	2928	2930	2920	2936	2994	2985	2967	2968	2958	2937	2923	2920			
35	2968	2930	2872	2898	2908	2899	2865	2905	2964	2956	2930	2950	2945	2915	2884	2909			
40	2957	2897	2807	2858	2881	2854	2799	2858	2941	2909	2867	2909	2915	2876	2829	2889			
45	2947	2857	2737	2820	2880	2808	2728	2817	2927	2867	2797	2865	2904	2831	2765	2858			
50	2994	2839	2681	2829	2962	2800	2661	2792	2948	2834	2728	2845	2937	2809	2707	2840			
55	3117	2892	2663	2937	3121	2883	2625	2839	3076	2863	2682	2890	3059	2844	2675	2896			
60	2968	2891	2698	2958	2939	2904	2639	2867	3019	2912	2680	2923	3012	2871	2679	2898			
65	2528	2628	2685	2601	2459	2603	2613	2599	2619	2741	2682	2733	2684	2705	2667	2615			
70	1882	2131	2459	2026	1738	2068	2398	2084	1908	2272	2539	2300	2089	2298	2501	2122			
75	1294	1555	1922	1426	1166	1489	1894	1463	1273	1622	2102	1649	1360	1694	2055	1538			
80	761	979	1344	854	653	902	1331	900	755	1033	1515	1065	835	1107	1498	1003			
85	431	535	742	461	351	487	743	504	440	587	932	613	490	633	921	568			
90	193	215	275	194	159	202	273	201	180	240	405	274	229	283	402	239			
95	124	142	169	129	112	134	167	134	126	151	200	155	134	159	201	149			
100	90.9	95.3	106	86.8	83.0	90.1	105	91.2	95.0	104	124	106	98.8	109	123	102			
105	67.7	63.5	47.2	55.8	52.2	58.5	49.5	61.4	72.5	72.7	68.0	69.3	63.3	70.6	66.6	70.6			
110	42.4	34.3	31.3	31.9	35.9	32.7	32.1	33.9	47.4	40.9	41.2	39.8	44.5	41.4	41.4	41.7			
115	30.0	26.2	22.6	25.5	28.4	25.0	23.0	25.8	34.1	30.1	29.5	30.0	34.5	31.4	29.6	31.6			
120	25.2	21.2	19.2	22.1	24.7	21.9	19.3	21.7	29.3	26.3	23.4	26.0	29.3	26.2	23.4	26.8			
125	22.5	20.8	20.5	21.4	22.5	21.1	20.3	21.0	26.1	24.6	23.4	24.5	26.1	24.6	23.4	24.7			
130	21.4	21.8	22.2	22.1	21.8	21.9	22.0	21.4	24.7	24.5	24.6	24.2	24.6	24.4	24.6	24.4			
135	22.8	23.6	23.9	23.6	23.3	23.6	23.6	22.9	25.4	25.6	25.8	25.3	25.1	25.4	25.8	25.5			
140	24.3	25.1	25.3	25.0	24.7	25.0	25.0	24.3	26.5	26.6	26.9	26.4	26.1	26.4	26.9	26.6			
145	25.7	26.2	26.4	26.2	25.9	26.2	26.1	25.5	27.3	27.4	27.7	27.3	27.0	27.2	27.6	27.4			
150	26.7	27.1	27.1	27.0	26.9	27.0	26.8	26.5	28.0	28.0	28.3	28.0	27.8	27.8	28.1	28.0			
155	27.5	27.7	27.5	27.6	27.5	27.5	27.3	27.1	28.4	28.2	28.5	28.3	28.2	28.1	28.3	28.2			
160	28.1	28.1	27.9	28.0	28.0	28.0	27.7	27.6	28.7	28.4	28.6	28.5	28.5	28.3	28.4	28.3			
165	28.6	28.6	28.3	28.3	28.4	28.4	28.1	28.0	29.0	28.6	28.7	28.6	28.7	28.4	28.5	28.5			
170	29.0	28.9	28.7	28.7	28.7	28.7	28.5	28.4	29.3	28.7	28.9	28.7	28.8	28.6	28.7	28.6			
175	29.4	29.3	29.0	29.1	29.1	29.0	28.8	28.8	29.6	29.1	29.2	29.0	29.1	28.8	28.9	28.8			
180	29.6	29.4	29.3	29.3	29.2	29.2	29.1	29.1	29.7	29.3	29.3	29.2	29.3	29.1	29.1	29.0			

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