

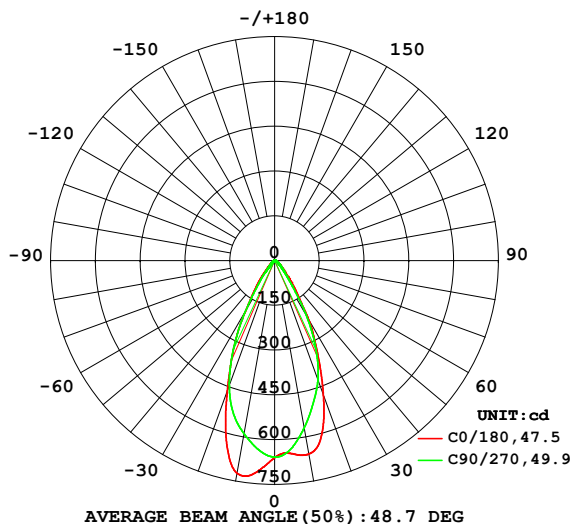
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

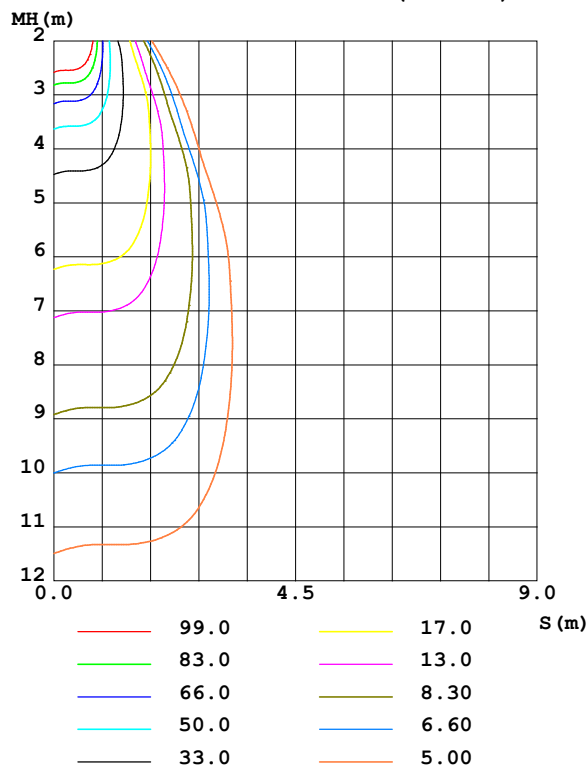
Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.74 lm/W			
MODEL	ASD-CD-PR-1D7AC-WH	I _{max} (cd)	729.2	S/MH(C0/180)	0.76
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.76
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	487.73	η UP,DN(C0-180)	0.3,49.9
NOMINAL FLUX(lm)	487.735	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,49.4
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down (%)	99.3	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3 °C
Operators:
Test Date: 2026-01-06

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	658.1	580.5	569.7	670.2	723.4	649.6	589.5	638.7	0- 10	62.04	62.04	12.7,12.7
20	478.5	444.9	425.5	450.6	464.0	453.3	444.8	476.5	10- 20	155.7	217.7	44.6,44.6
30	230.5	224.5	215.3	206.1	194.9	187.0	195.2	220.5	20- 30	149.9	367.6	75.4,75.4
40	72.55	57.73	51.45	57.69	59.07	49.20	44.08	63.42	30- 40	71.55	439.2	90,90
50	19.51	18.96	18.32	17.99	17.83	17.29	15.48	16.49	40- 50	24.12	463.3	95,95
60	9.615	9.224	8.797	8.672	8.656	8.312	8.222	8.872	50- 60	11.24	474.6	97.3,97.3
70	3.912	4.123	4.389	4.404	4.326	3.992	3.775	3.776	60- 70	6.187	480.7	98.6,98.6
80	1.633	1.736	1.871	1.868	1.810	1.625	1.524	1.537	70- 80	2.977	483.7	99.2,99.2
90	0.0607	0.0611	0.0849	0.0600	0.0494	0.0526	0.0497	0.0494	80- 90	0.7992	484.5	99.3,99.3
100	0.0768	0.0706	0.0710	0.0689	0.0677	0.0684	0.0694	0.0671	90-100	0.0670	484.6	99.4,99.4
110	0.1052	0.0972	0.0938	0.0979	0.0990	0.0950	0.1005	0.0910	100-110	0.0868	484.7	99.4,99.4
120	0.1801	0.1661	0.1575	0.1735	0.1721	0.1569	0.1532	0.1557	110-120	0.1231	484.8	99.4,99.4
130	0.4313	0.3936	0.3983	0.4431	0.4047	0.3777	0.3710	0.3601	120-130	0.2299	485.0	99.4,99.4
140	0.9864	0.9448	0.9689	0.9857	0.8696	0.8839	0.8953	0.8582	130-140	0.4867	485.5	99.5,99.5
150	1.651	1.640	1.561	1.537	1.385	1.466	1.422	1.546	140-150	0.7639	486.3	99.7,99.7
160	1.935	1.983	1.826	1.706	1.574	1.771	1.797	1.926	150-160	0.7831	487.1	99.9,99.9
170	1.902	1.913	1.655	1.539	1.700	1.764	1.741	1.912	160-170	0.5131	487.6	100,100
180	1.750	1.910	1.740	1.826	1.752	1.917	1.746	1.824	170-180	0.1669	487.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

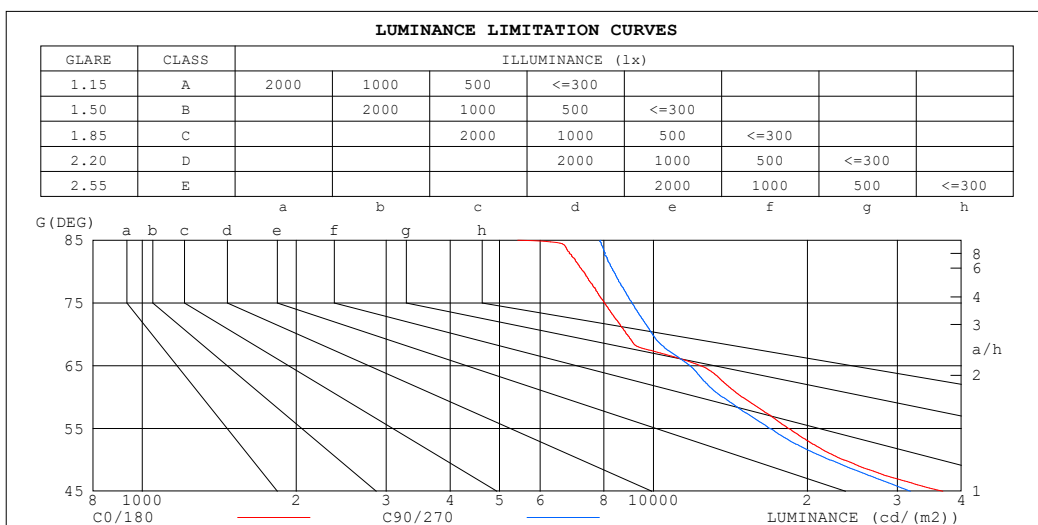
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-06

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5894	8030
80	7382	8455
75	8088	9152
70	8934	10017
65	12481	11862
60	15025	13753
55	18501	17011
50	23748	22320
45	37349	32156

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-06

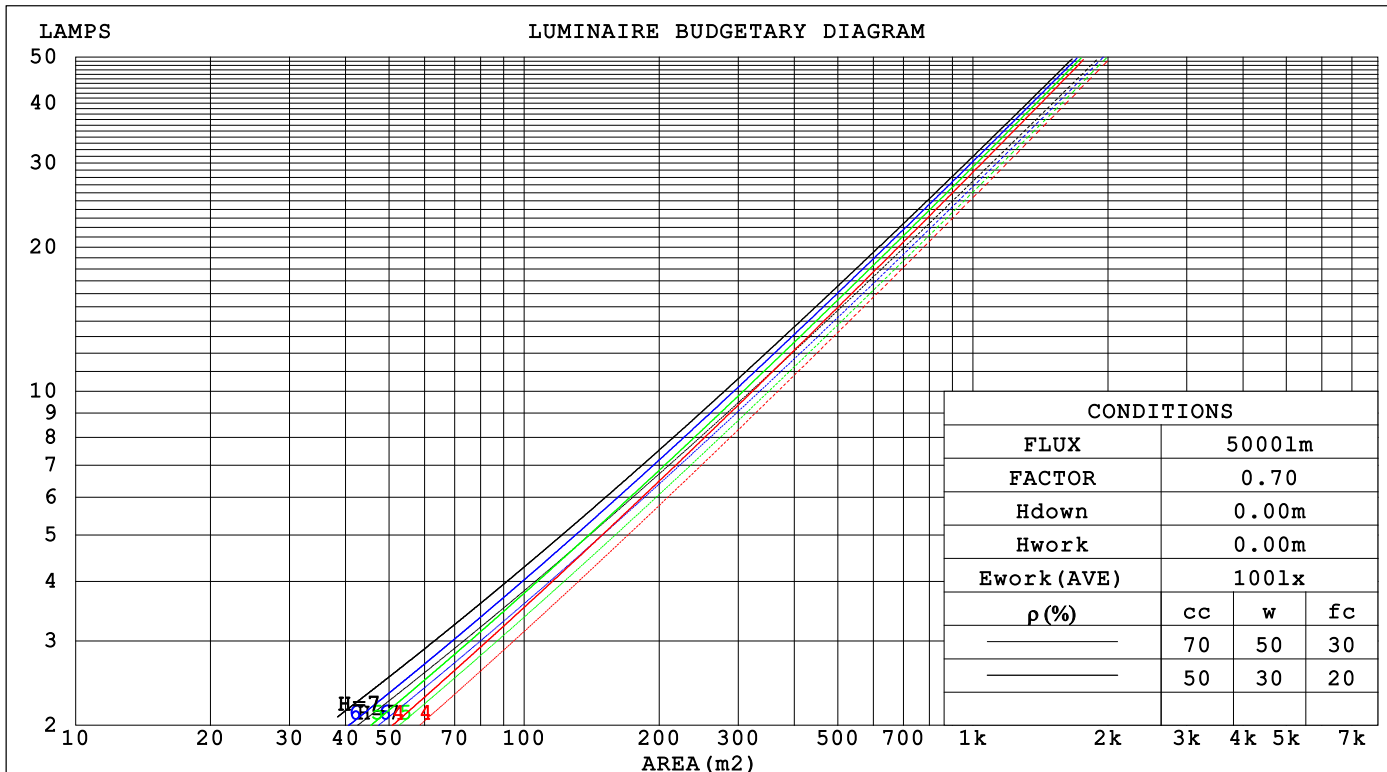
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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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 Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.89	.86	.84	.87	.84	.82	.81
4.0	.90	.85	.80	.89	.84	.80	.87	.82	.79	.85	.81	.78	.83	.79	.77	.75
5.0	.85	.79	.75	.84	.78	.74	.82	.77	.74	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.70	.79	.73	.69	.77	.72	.69	.76	.72	.68	.74	.71	.68	.66
7.0	.75	.69	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.65	.61	.71	.65	.61	.69	.65	.61	.68	.64	.61	.67	.63	.60	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.59	.55	.64	.58	.55	.63	.58	.55	.62	.58	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-06

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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	.180	.102	.032	.173	.099	.031	.160	.092	.029	.148	.085	.027	.137	.080	.026		
2.0	.171	.094	.029	.165	.091	.028	.154	.086	.027	.144	.081	.025	.135	.076	.024		
3.0	.162	.086	.026	.157	.084	.025	.148	.080	.024	.139	.076	.023	.131	.073	.022		
4.0	.153	.080	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.127	.069	.021		
5.0	.146	.074	.021	.142	.073	.021	.135	.070	.021	.128	.068	.020	.122	.065	.020		
6.0	.138	.069	.020	.135	.068	.020	.129	.066	.019	.123	.064	.019	.118	.062	.018		
7.0	.132	.065	.018	.129	.064	.018	.123	.062	.018	.118	.061	.018	.113	.059	.017		
8.0	.126	.062	.017	.123	.061	.017	.118	.059	.017	.114	.058	.017	.109	.056	.016		
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.109	.055	.016	.106	.054	.015		
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.105	.052	.015	.102	.051	.015		

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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.176	.162	.150	.151	.139	.129	.103	.096	.089	.059	.055	.052	.019	.018	.017		
2.0	.161	.138	.118	.138	.118	.102	.095	.082	.071	.055	.048	.042	.018	.015	.014		
3.0	.149	.119	.095	.128	.102	.082	.088	.071	.058	.051	.042	.034	.016	.013	.011		
4.0	.138	.104	.078	.119	.090	.068	.082	.063	.048	.047	.037	.028	.015	.012	.009		
5.0	.130	.092	.065	.111	.080	.057	.077	.056	.040	.044	.033	.024	.014	.011	.008		
6.0	.122	.083	.055	.105	.072	.048	.072	.050	.034	.042	.030	.020	.014	.010	.007		
7.0	.115	.075	.048	.099	.065	.041	.069	.046	.029	.040	.027	.017	.013	.009	.006		
8.0	.110	.069	.042	.094	.060	.036	.065	.042	.026	.038	.025	.015	.012	.008	.005		
9.0	.104	.064	.037	.090	.056	.032	.062	.039	.023	.036	.023	.014	.012	.008	.004		
10.0	.100	.060	.033	.086	.052	.029	.060	.036	.020	.035	.022	.012	.011	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-06

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm										
NAME: ASD-CD-PR-1D7AC-WH						TYPE:		WEIGHT:		
SPEC.: 5000K						DIM.:		SERIAL No.:		
MFR.: ASD Lighting Corp						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	20.5	21.5	20.8	21.6	21.8	19.9	20.8	20.1	21.0	21.1
3H	20.6	21.5	20.9	21.7	21.9	20.0	20.9	20.3	21.1	21.3
4H	20.6	21.5	20.9	21.7	21.9	20.1	20.9	20.4	21.1	21.4
6H	20.6	21.4	21.0	21.7	21.9	20.1	20.9	20.5	21.2	21.4
8H	20.6	21.4	21.0	21.6	21.9	20.2	20.9	20.5	21.2	21.4
12H	20.6	21.3	21.0	21.6	21.9	20.2	20.9	20.5	21.1	21.4
4H 2H	20.5	21.3	20.7	21.5	21.7	19.8	20.6	20.1	20.9	21.1
3H	20.6	21.3	21.0	21.6	21.9	20.1	20.8	20.4	21.1	21.4
4H	20.7	21.3	21.1	21.6	22.0	20.2	20.9	20.6	21.2	21.5
6H	20.8	21.3	21.1	21.7	22.0	20.3	20.9	20.7	21.2	21.6
8H	20.8	21.3	21.2	21.7	22.0	20.4	20.9	20.8	21.3	21.6
12H	20.8	21.2	21.2	21.6	22.0	20.4	20.9	20.8	21.3	21.7
8H 4H	20.6	21.2	21.1	21.5	21.9	20.2	20.7	20.6	21.1	21.4
6H	20.8	21.2	21.2	21.6	22.0	20.4	20.8	20.8	21.2	21.6
8H	20.8	21.2	21.3	21.6	22.1	20.4	20.8	20.9	21.3	21.7
12H	20.8	21.1	21.3	21.6	22.1	20.5	20.8	21.0	21.3	21.8
12H 4H	20.6	21.1	21.0	21.5	21.9	20.1	20.6	20.6	21.0	21.4
6H	20.7	21.1	21.2	21.5	22.0	20.3	20.7	20.8	21.2	21.6
8H	20.8	21.1	21.3	21.6	22.1	20.4	20.8	20.9	21.2	21.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.2 / - 2.8					+ 1.5 / - 2.0				
1.5H	+ 3.9 / - 2.3					+ 2.8 / - 1.5				
2.0H	+ 2.4 / - 1.2					+ 1.9 / - 1.1				

CIE Pub.117, 487.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.5)
 Area: 0.00128936 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-06

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	94	91	87
1.50	105	100	96	103	99	96	101	97	94	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	102	99	93
3.00	111	107	105	109	106	103	106	103	101	94
4.00	113	110	108	111	109	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

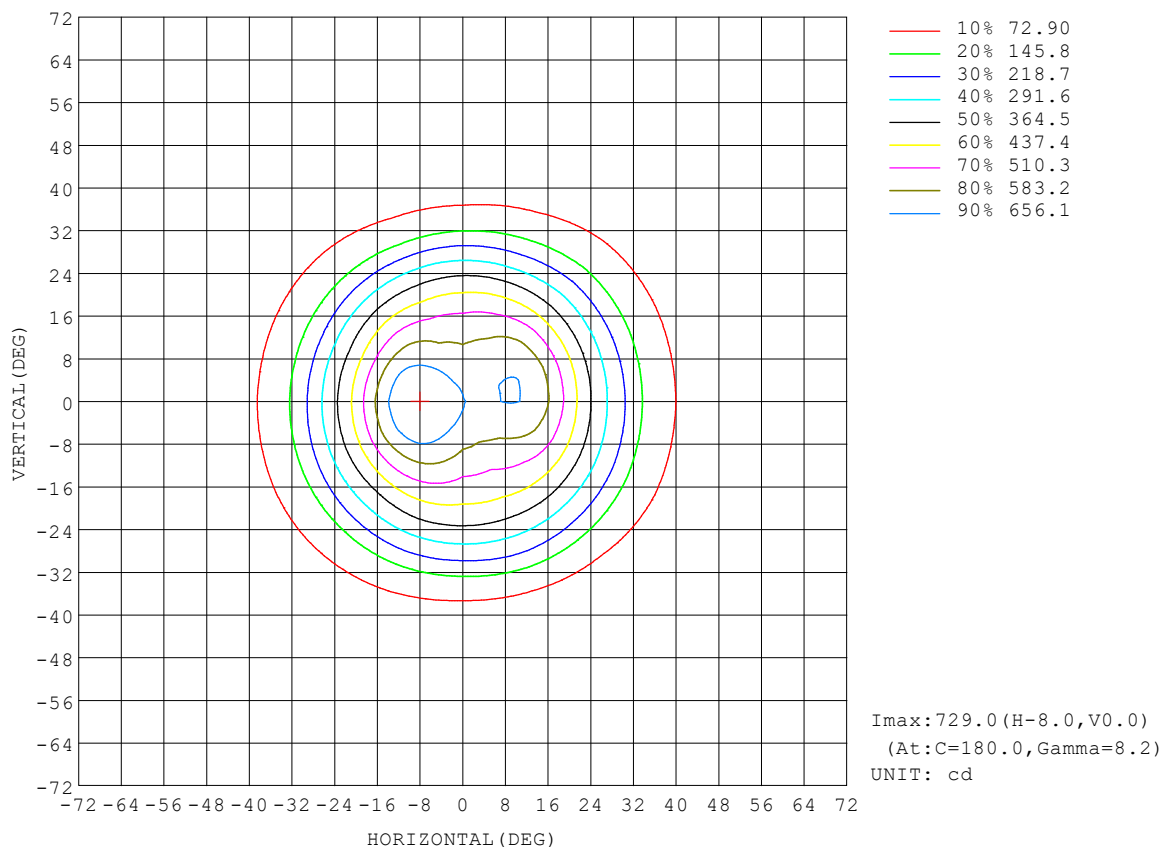
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2026-01-06

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



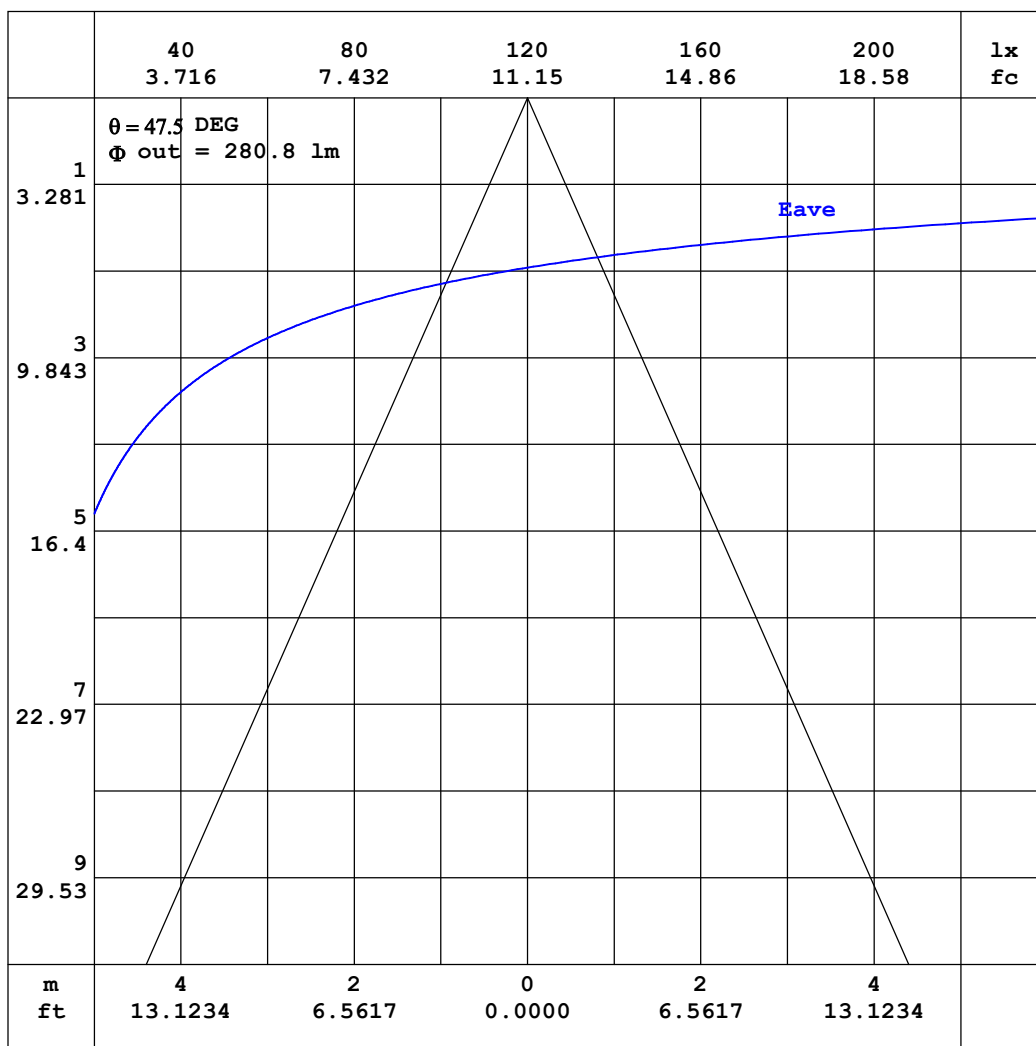
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI CURVES

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



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

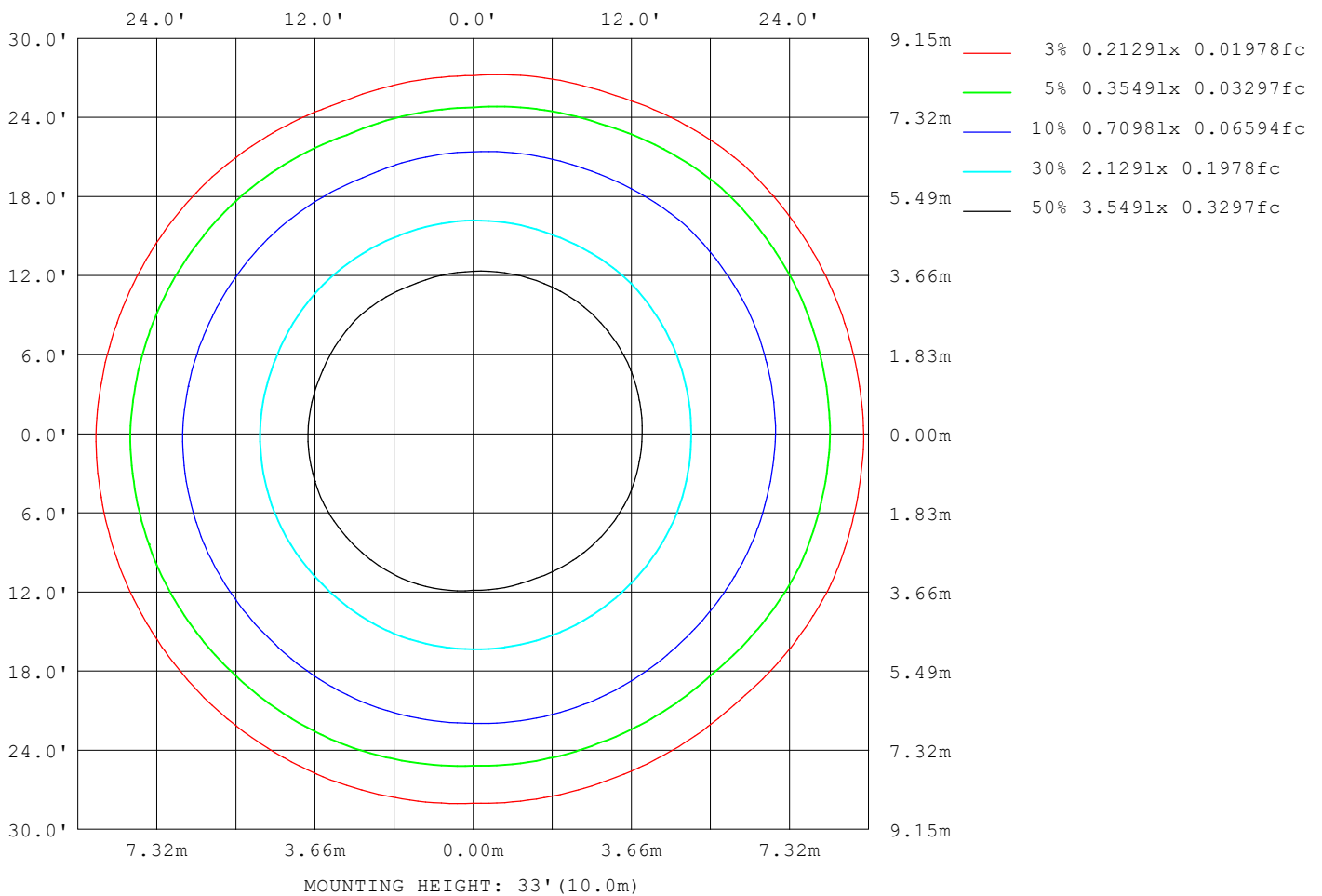
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-01-06

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test: U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3°C
Operators:
Test Date: 2026-01-06

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

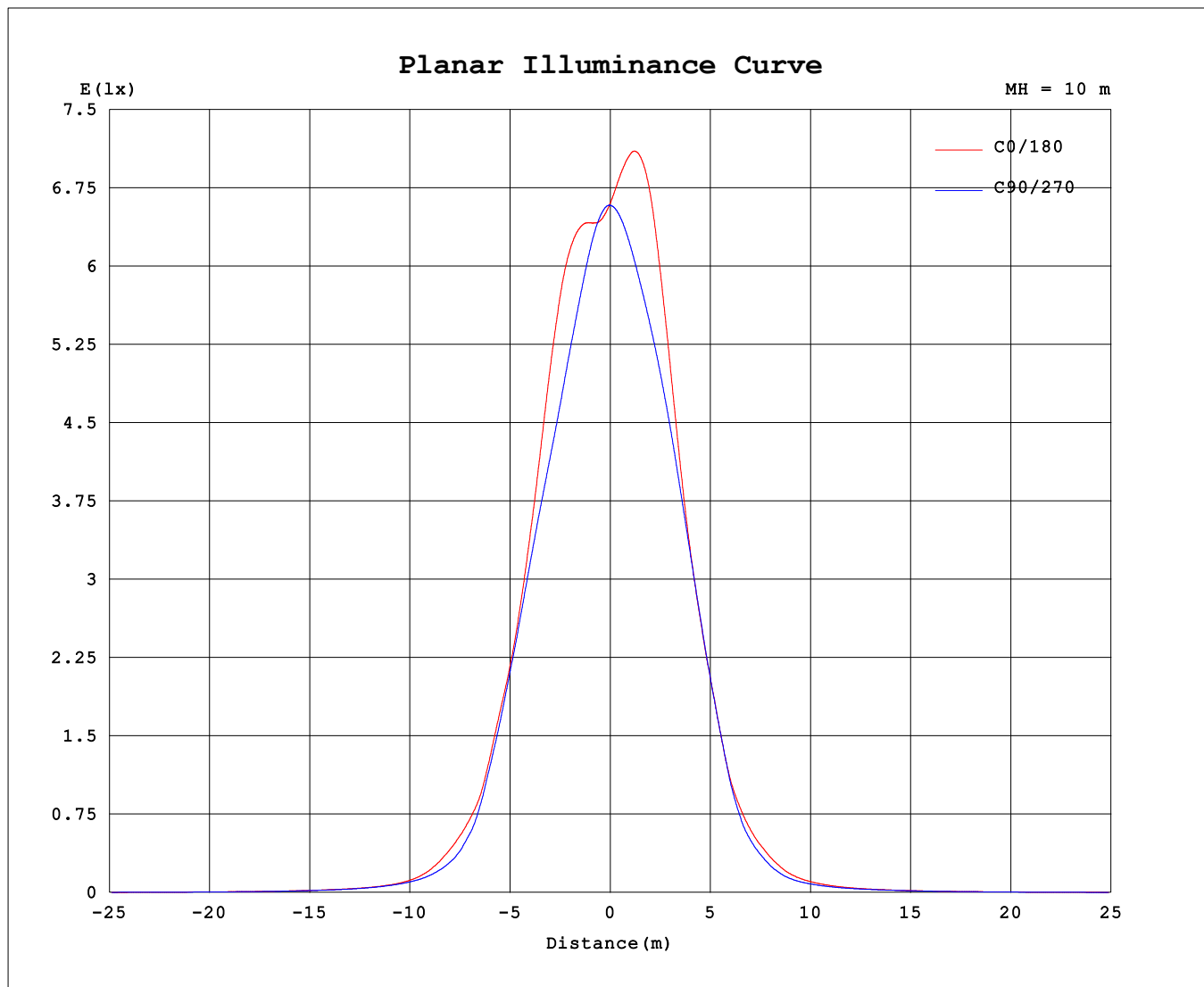
AvgL	cd/m2
L_0~180 (65) av	11955
L_0~180 (75) av	8461
L_0~180 (85) av	6260
L_90~270 (65) av	11193
L_90~270 (75) av	8347
L_90~270 (85) av	6893
L_45 (65) av	11553
L_45 (75) av	8340
L_45 (85) av	6577

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-06

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2026-01-06

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.02V I:0.0582A P:6.7047W PF:0.9597 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:487.735x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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	660	661	659	659	658	658	658	657	660	661	659	659	658	658	658	657			
5	648	637	625	625	634	658	685	703	711	698	674	649	636	634	642	648			
10	658	625	582	559	571	619	671	712	724	698	650	605	591	606	639	660			
15	609	575	525	497	499	540	581	618	628	607	579	540	533	556	595	613			
20	481	470	447	429	427	441	453	466	467	456	456	442	447	460	479	485			
25	342	345	341	334	330	332	325	329	328	322	324	323	330	335	345	345			
30	233	233	227	228	218	218	209	204	198	190	190	188	198	205	223	228			
35	130	124	113	108	104	106	106	111	111	105	98.7	90.2	93.2	105	122	129			
40	73.7	69.4	58.4	54.2	52.1	56.2	58.4	60.4	59.9	55.0	49.9	43.9	44.8	51.7	64.5	70.9			
45	34.1	34.5	30.8	29.6	29.3	30.4	30.6	30.8	30.1	28.4	27.7	24.8	23.8	24.8	28.6	30.7			
50	19.7	20.2	19.1	18.7	18.5	18.5	18.2	18.1	18.0	17.4	17.4	16.5	15.6	15.6	16.6	17.7			
55	13.7	13.6	12.9	12.6	12.6	12.5	12.4	12.4	12.3	12.0	12.0	11.6	11.4	11.6	12.2	12.8			
60	9.69	9.68	9.29	8.98	8.87	8.83	8.74	8.83	8.71	8.46	8.37	8.17	8.27	8.47	8.93	9.29			
65	6.80	6.93	6.65	6.46	6.46	6.47	6.46	6.49	6.35	6.06	5.91	5.71	5.84	5.99	6.37	6.53			
70	3.94	4.08	4.15	4.28	4.42	4.45	4.43	4.45	4.35	4.15	4.02	3.84	3.80	3.75	3.80	3.82			
75	2.70	2.81	2.86	2.95	3.05	3.09	3.07	3.09	2.99	2.83	2.73	2.59	2.56	2.52	2.57	2.60			
80	1.65	1.74	1.76	1.83	1.89	1.91	1.89	1.91	1.83	1.71	1.65	1.55	1.54	1.51	1.56	1.57			
85	0.66	0.37	0.81	0.87	0.90	0.90	0.80	0.75	0.82	0.75	0.72	0.67	0.68	0.66	0.69	0.70			
90	0.06	0.06	0.06	0.08	0.09	0.09	0.06	0.06	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05			
95	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
100	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
105	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
110	0.10	0.10	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10			
115	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.12			
120	0.18	0.17	0.17	0.16	0.16	0.16	0.17	0.19	0.17	0.17	0.16	0.15	0.15	0.15	0.15	0.16			
125	0.27	0.26	0.24	0.23	0.24	0.25	0.27	0.29	0.26	0.25	0.23	0.23	0.22	0.23	0.22	0.23			
130	0.43	0.41	0.39	0.38	0.39	0.41	0.44	0.46	0.40	0.39	0.37	0.37	0.37	0.37	0.36	0.36			
135	0.66	0.63	0.62	0.62	0.64	0.65	0.68	0.69	0.60	0.60	0.59	0.60	0.59	0.59	0.56	0.57			
140	0.98	0.93	0.94	0.93	0.96	0.95	0.98	0.98	0.86	0.87	0.88	0.89	0.89	0.88	0.85	0.84			
145	1.32	1.26	1.29	1.28	1.29	1.27	1.28	1.27	1.14	1.15	1.18	1.17	1.18	1.19	1.19	1.17			
150	1.65	1.59	1.63	1.62	1.56	1.53	1.53	1.51	1.38	1.39	1.46	1.44	1.42	1.49	1.54	1.49			
155	1.86	1.83	1.87	1.89	1.77	1.70	1.62	1.60	1.54	1.57	1.64	1.68	1.63	1.75	1.80	1.74			
160	1.93	1.95	1.98	1.95	1.82	1.72	1.70	1.57	1.57	1.65	1.77	1.78	1.80	1.91	1.92	1.88			
165	1.96	2.01	2.00	1.91	1.76	1.69	1.66	1.62	1.62	1.73	1.83	1.79	1.79	1.87	1.92	1.96			
170	1.91	1.93	1.91	1.79	1.66	1.60	1.54	1.51	1.70	1.69	1.76	1.76	1.75	1.79	1.91	1.88			
175	1.88	1.96	1.90	1.71	1.61	1.61	1.59	1.54	1.68	1.67	1.77	1.76	1.70	1.74	1.88	1.91			
180	1.76	1.78	1.91	1.82	1.74	1.74	1.83	1.71	1.75	1.77	1.91	1.82	1.75	1.74	1.83	1.72			

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