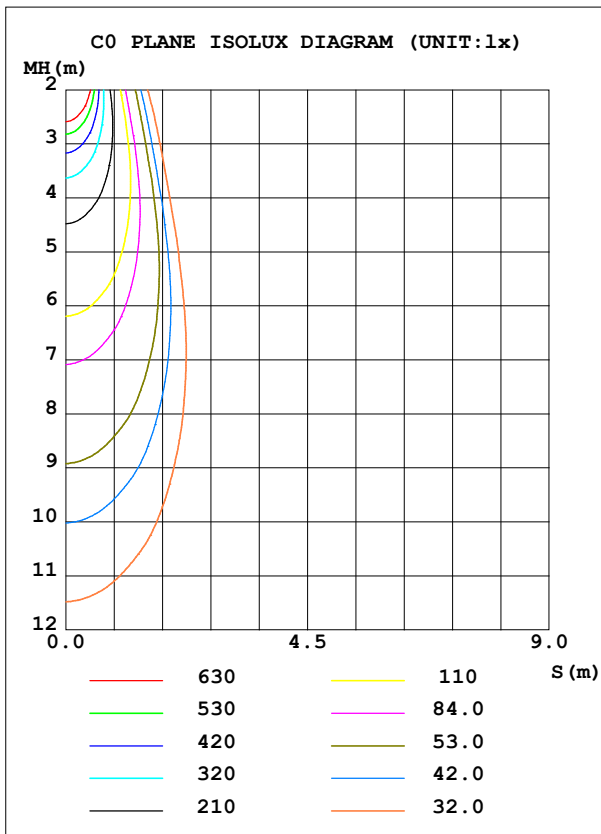
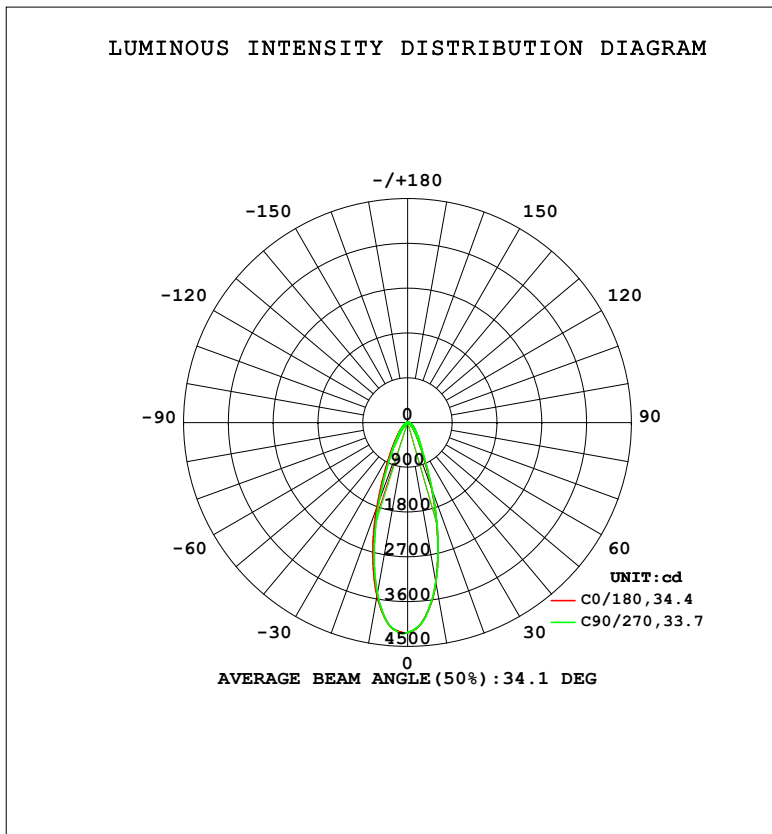


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.84 lm/W
MODEL	ASD-CD-TR-6D24AC-WH	I _{max} (cd)	4250	S/MH (C0/180)	0.60	
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	0.58	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1976.0	η UP, DN (C0-180)	0.4, 48.3	
NOMINAL FLUX (lm)	1975.99	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 51.0	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	120	η down (%)	99.3	CIBSE SHR MAX	0.55	



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3 °C
Operators:
Test Date: 2026-01-09

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	3271	3168	3269	3509	3541	3603	3495	3340	0- 10	364.0	364.0	18.4,18.4
20	1423	1354	1460	1743	1813	1780	1677	1474	10- 20	680.6	1045	52.9,52.9
30	461.4	453.5	492.3	605.6	661.3	588.4	573.2	488.4	20- 30	429.8	1474	74.6,74.6
40	212.4	209.5	224.5	263.5	279.1	247.3	249.2	225.3	30- 40	223.7	1698	85.9,85.9
50	109.6	108.8	117.4	130.4	132.1	124.7	126.1	116.6	40- 50	132.5	1831	92.6,92.6
60	58.50	56.84	62.95	70.16	67.03	65.26	67.25	63.36	50- 60	79.93	1911	96.7,96.7
70	18.25	16.66	18.55	21.24	19.90	20.78	20.15	18.40	60- 70	39.62	1950	98.7,98.7
80	4.539	4.236	4.608	5.014	4.789	4.897	4.878	4.539	70- 80	10.08	1960	99.2,99.2
90	0.1587	0.1439	0.1470	0.1497	0.2621	0.1104	0.1947	0.1150	80- 90	2.304	1963	99.3,99.3
100	0.2602	0.2479	0.2520	0.2323	0.2416	0.1988	0.2249	0.2256	90-100	0.1908	1963	99.3,99.3
110	0.5130	0.4832	0.5040	0.4551	0.4174	0.3917	0.4442	0.4636	100-110	0.3553	1963	99.3,99.3
120	0.9112	0.8554	0.8811	0.7749	0.6786	0.6761	0.7754	0.8213	110-120	0.6032	1964	99.4,99.4
130	1.757	1.614	1.618	1.378	1.154	1.156	1.355	1.510	120-130	0.9553	1965	99.4,99.4
140	3.803	3.609	3.457	2.936	2.406	2.396	2.761	3.196	130-140	1.623	1966	99.5,99.5
150	7.548	7.405	6.990	5.904	5.358	5.185	6.032	6.631	140-150	2.851	1969	99.7,99.7
160	10.97	10.18	9.188	8.374	7.671	8.013	8.839	9.371	150-160	3.641	1973	99.8,99.8
170	9.326	8.807	7.497	7.262	7.662	7.706	7.940	8.850	160-170	2.524	1975	100,100
180	6.832	7.981	7.468	7.848	6.836	8.008	7.445	7.840	170-180	0.7340	1976	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

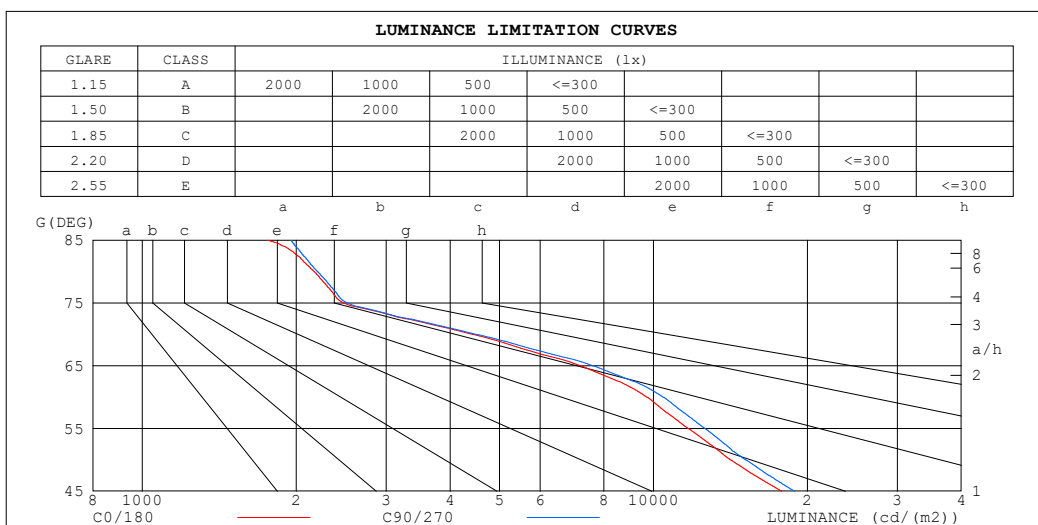
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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℃
Operators:
Test Date:2026-01-09

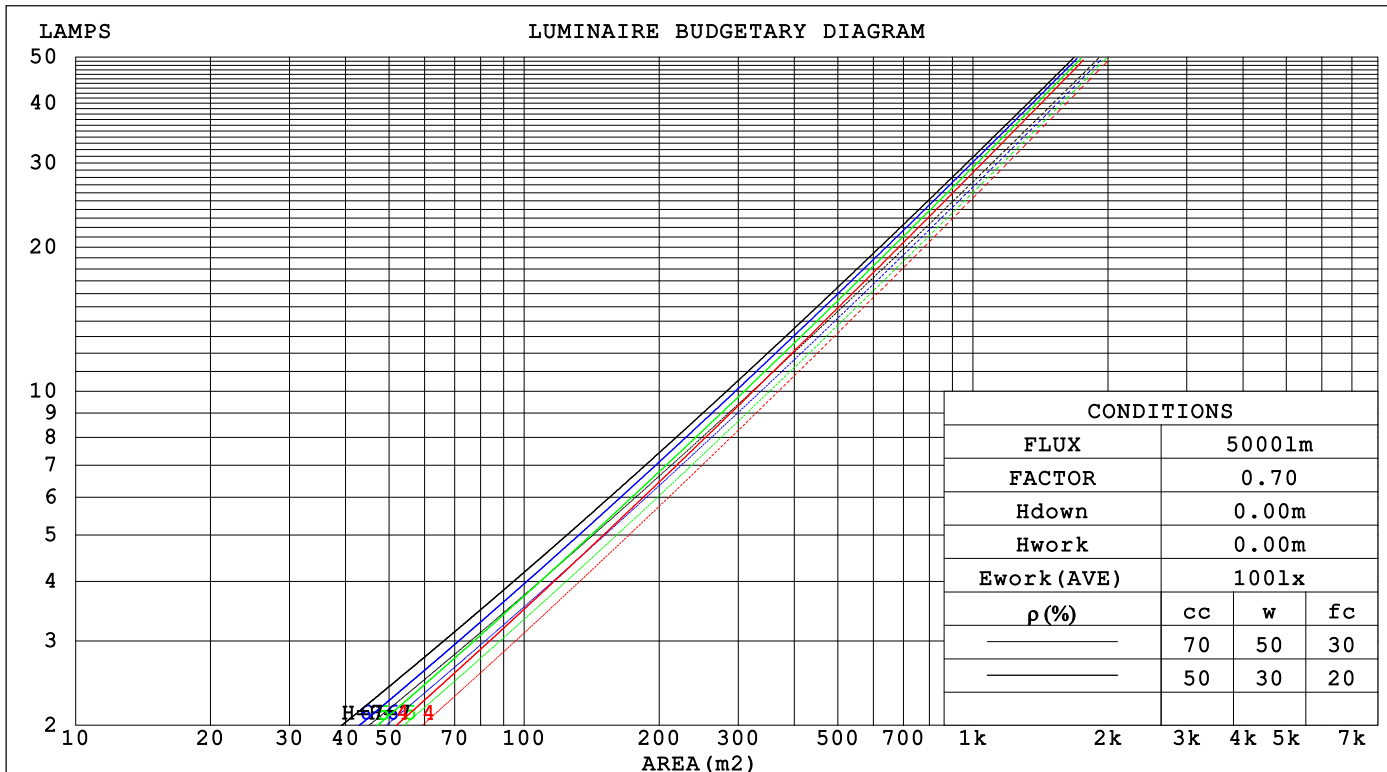
γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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	1.11	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	.96	1.01	.98	.95	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.92	.88	.95	.90	.87	.92	.89	.85	.90	.87	.84	.87	.85	.83	.81
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.80	.85	.81	.79	.83	.80	.78	.76
5.0	.85	.80	.76	.84	.79	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.78	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.66	.73	.69	.66	.72	.68	.66	.64
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58
10.0	.67	.61	.58	.66	.61	.57	.65	.61	.57	.64	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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	.178	.101	.032	.171	.097	.031	.158	.090	.029	.146	.084	.027	.135	.078	.025		
2.0	.169	.093	.028	.163	.090	.028	.152	.085	.026	.142	.080	.025	.133	.075	.024		
3.0	.160	.085	.025	.155	.083	.025	.145	.079	.024	.137	.075	.023	.129	.071	.022		
4.0	.151	.078	.023	.146	.077	.023	.138	.073	.022	.131	.070	.021	.124	.067	.021		
5.0	.142	.073	.021	.139	.071	.021	.132	.069	.020	.125	.066	.020	.119	.064	.019		
6.0	.135	.068	.019	.132	.067	.019	.125	.064	.019	.120	.062	.018	.114	.060	.018		
7.0	.128	.063	.018	.125	.062	.018	.120	.061	.017	.115	.059	.017	.110	.057	.017		
8.0	.122	.059	.017	.119	.059	.017	.114	.057	.016	.110	.056	.016	.105	.054	.016		
9.0	.116	.056	.016	.114	.055	.016	.109	.054	.015	.105	.053	.015	.101	.052	.015		
10.0	.111	.053	.015	.109	.053	.015	.105	.051	.014	.101	.050	.014	.098	.049	.014		

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	.163	.150	.151	.140	.129	.103	.096	.089	.059	.056	.052	.019	.018	.017		
2.0	.161	.138	.118	.138	.119	.102	.095	.082	.071	.055	.048	.042	.017	.015	.014		
3.0	.149	.119	.095	.127	.103	.083	.087	.071	.058	.050	.042	.034	.016	.014	.011		
4.0	.138	.104	.078	.118	.090	.068	.081	.063	.048	.047	.037	.028	.015	.012	.009		
5.0	.129	.092	.066	.111	.080	.057	.076	.056	.040	.044	.033	.024	.014	.011	.008		
6.0	.121	.083	.056	.104	.072	.049	.072	.050	.034	.042	.030	.020	.013	.010	.007		
7.0	.114	.075	.048	.098	.065	.042	.068	.046	.030	.039	.027	.018	.013	.009	.006		
8.0	.108	.069	.042	.093	.060	.037	.064	.042	.026	.037	.025	.016	.012	.008	.005		
9.0	.103	.064	.037	.088	.055	.033	.061	.039	.023	.036	.023	.014	.012	.008	.005		
10.0	.098	.059	.034	.084	.051	.029	.058	.036	.021	.034	.021	.012	.011	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz											
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm											
NAME: ASD-CD-TR-6D24AC-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	17.2	18.2	17.5	18.3	18.5	17.5	18.4	17.8	18.6	18.8	
	3H	17.5	18.3	17.8	18.5	18.8	17.8	18.6	18.0	18.8	19.0
	4H	17.5	18.3	17.8	18.5	18.7	17.7	18.5	18.0	18.8	19.0
	6H	17.4	18.2	17.7	18.4	18.7	17.7	18.4	18.0	18.7	19.0
	8H	17.4	18.1	17.7	18.4	18.7	17.7	18.4	18.0	18.6	18.9
	12H	17.4	18.1	17.7	18.3	18.6	17.6	18.3	18.0	18.6	18.9
4H	2H	17.4	18.2	17.7	18.4	18.6	17.6	18.4	17.9	18.7	18.9
	3H	17.7	18.4	18.0	18.7	18.9	17.9	18.6	18.2	18.9	19.2
	4H	17.7	18.3	18.0	18.6	18.9	17.9	18.5	18.3	18.8	19.2
	6H	17.7	18.2	18.0	18.6	18.9	17.9	18.4	18.3	18.8	19.1
	8H	17.6	18.1	18.0	18.5	18.9	17.8	18.4	18.3	18.7	19.1
	12H	17.6	18.1	18.0	18.5	18.9	17.8	18.3	18.2	18.7	19.1
8H	4H	17.6	18.1	18.0	18.5	18.8	17.8	18.3	18.2	18.7	19.1
	6H	17.6	18.0	18.0	18.4	18.8	17.8	18.2	18.2	18.6	19.1
	8H	17.6	17.9	18.0	18.4	18.8	17.8	18.2	18.2	18.6	19.0
	12H	17.5	17.9	18.0	18.3	18.8	17.8	18.1	18.2	18.5	19.0
12H	4H	17.5	18.0	18.0	18.4	18.8	17.8	18.2	18.2	18.6	19.0
	6H	17.5	17.9	18.0	18.3	18.8	17.7	18.1	18.2	18.6	19.0
	8H	17.5	17.9	18.0	18.3	18.8	17.7	18.1	18.2	18.5	19.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.0 / - 1.4					+ 0.9 / - 1.4					
1.5H	+ 1.1 / - 0.7					+ 1.3 / - 0.8					
2.0H	+ 1.7 / - 1.6					+ 1.7 / - 1.7					

CIE Pub.117, 1976 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.4$)
 Area: 0.0120576 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	71	82	75	71	81	75	71	67
0.80	91	84	80	90	84	80	89	83	79	75
1.00	96	89	85	95	89	85	93	89	84	80
1.25	100	94	91	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	98	102	99	96	90
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	104	109	105	102	105	102	100	93
4.00	113	110	107	111	108	106	107	105	103	95
5.00	114	112	109	112	110	108	108	106	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

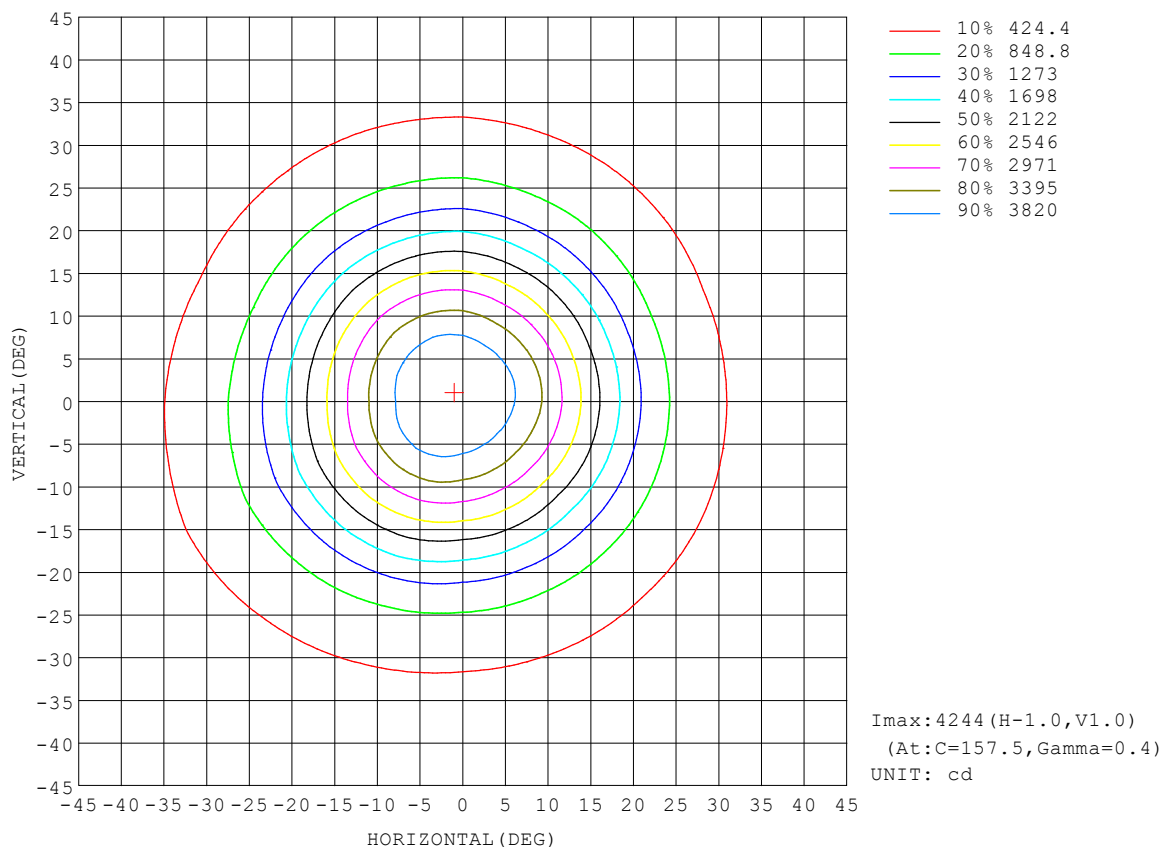
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



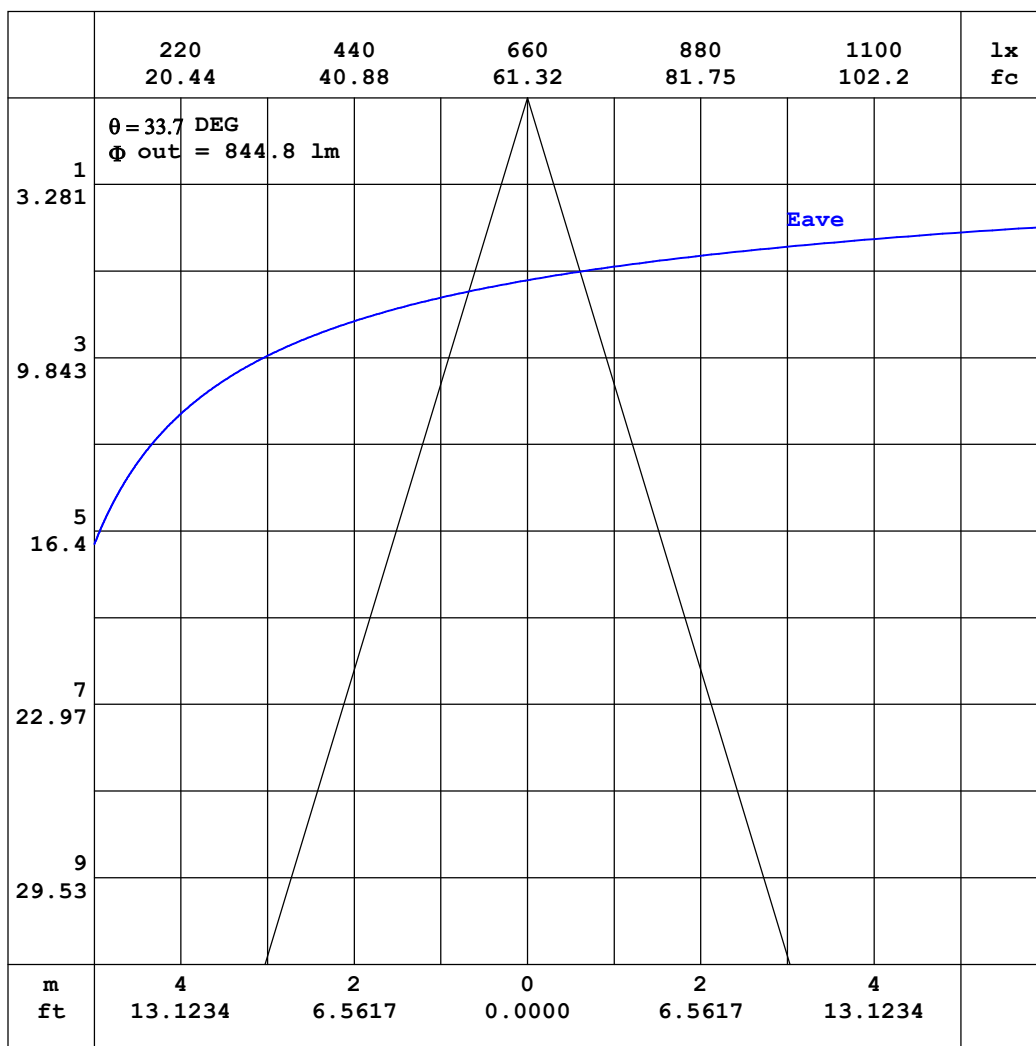
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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.

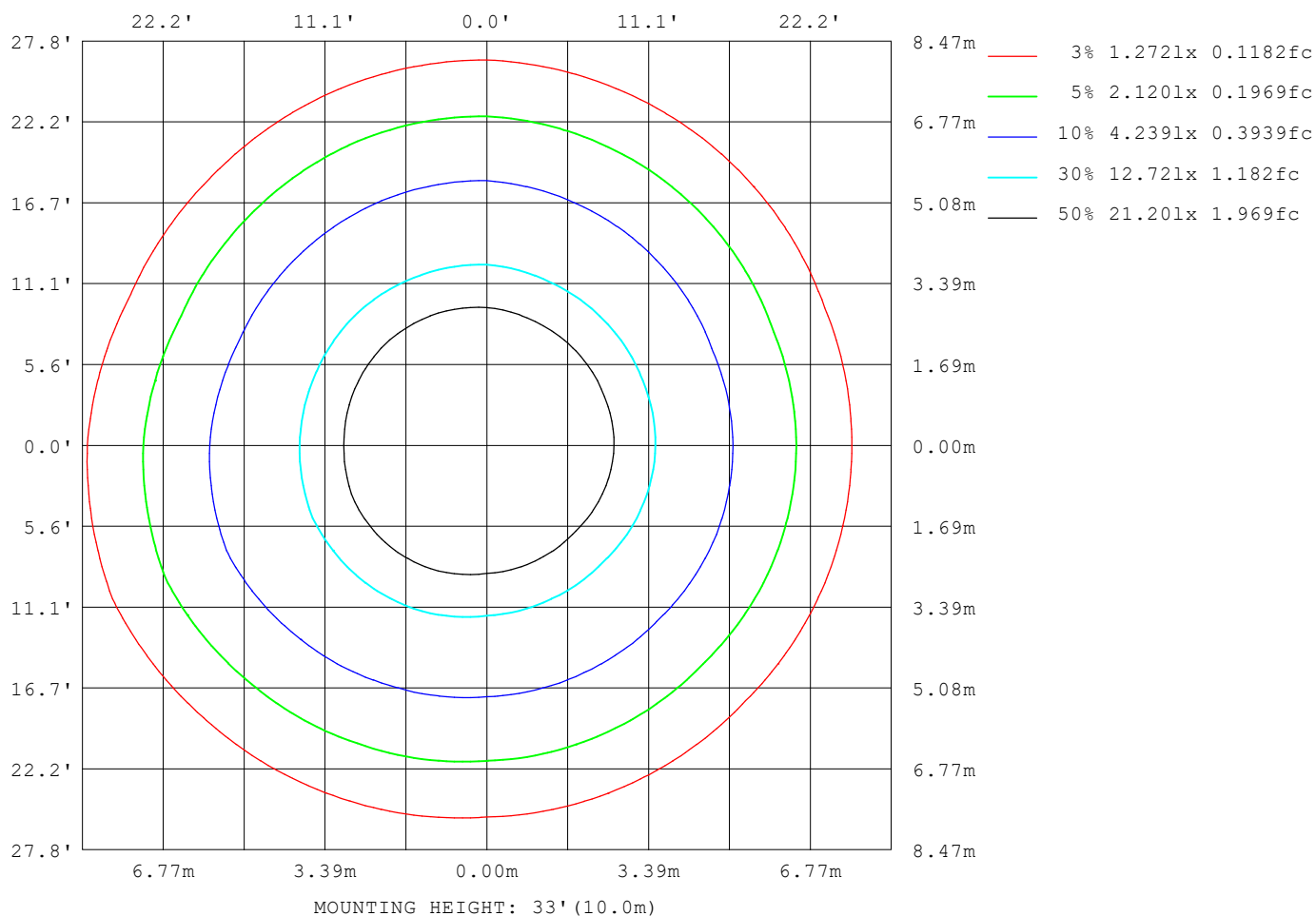
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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: 2026-01-09

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:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

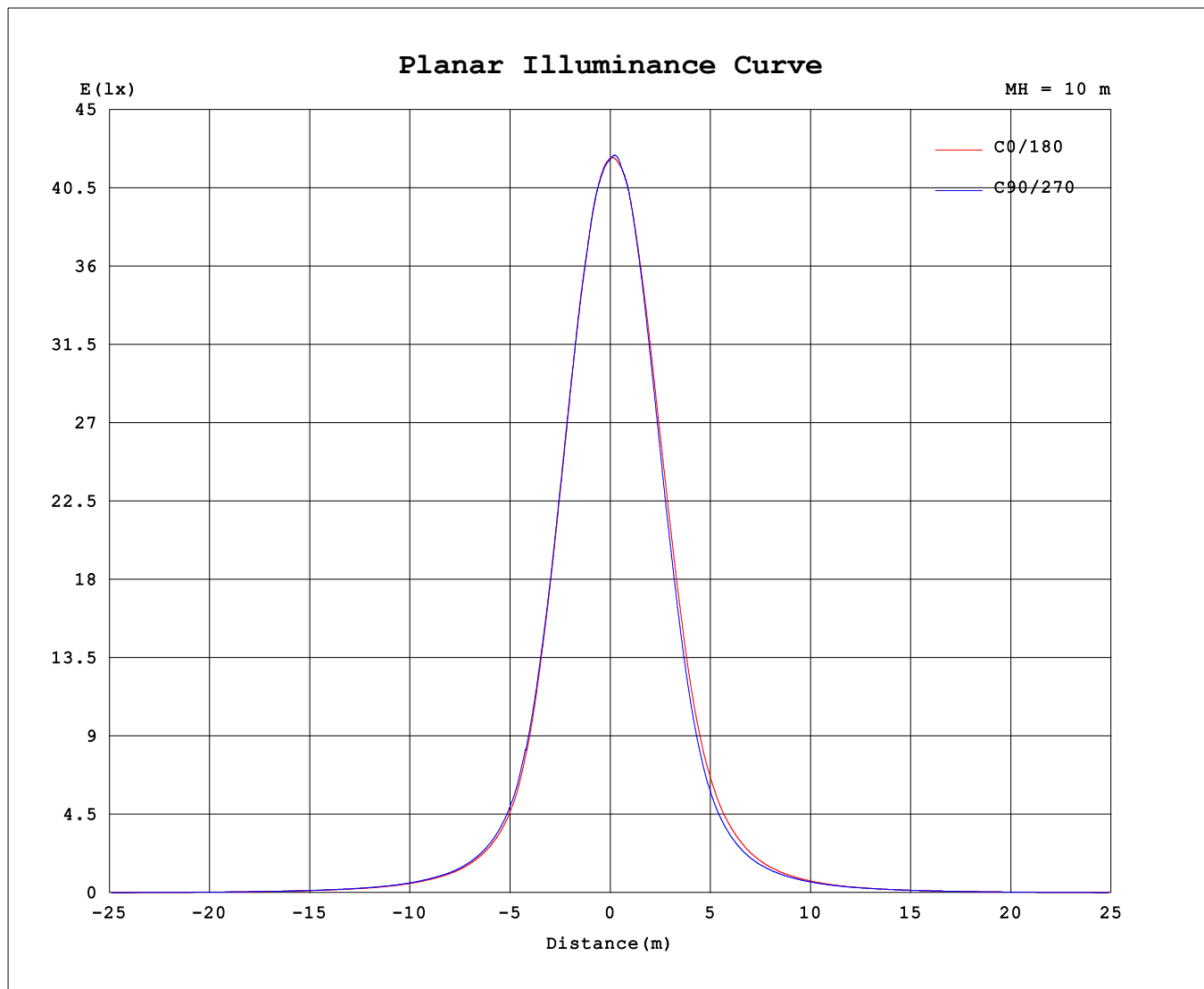
AvgL	cd/m2
L_0~180 (65) av	7617
L_0~180 (75) av	2565
L_0~180 (85) av	1930
L_90~270 (65) av	7895
L_90~270 (75) av	2604
L_90~270 (85) av	2045
L_45 (65) av	7804
L_45 (75) av	2621
L_45 (85) av	1912

Standard: GB/T 29293-2012

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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.1882A P:22.243W PF:0.9851 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1975.99x1 lm		
NAME: ASD-CD-TR-6D24AC-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	4219	4224	4224	4208	4216	4218	4245	4247	4219	4224	4224	4208	4216	4218	4245	4247			
5	3955	3912	3893	3912	3965	4036	4089	4125	4113	4125	4139	4131	4107	4073	4035	3993			
10	3288	3227	3186	3216	3285	3427	3525	3573	3555	3604	3618	3580	3511	3399	3355	3327			
15	2353	2308	2256	2306	2372	2542	2672	2745	2726	2748	2755	2701	2614	2483	2406	2354			
20	1440	1404	1369	1402	1477	1645	1760	1852	1829	1800	1799	1741	1694	1567	1490	1442			
25	781	781	767	786	829	921	1035	1126	1097	1056	1025	1007	977	897	825	772			
30	466	467	458	475	497	544	612	695	667	607	594	590	579	532	493	460			
35	306	305	300	311	324	353	392	442	425	379	372	373	368	344	324	304			
40	214	213	211	219	226	245	265	294	281	253	249	251	251	238	227	215			
45	153	153	151	158	162	174	187	202	194	176	175	176	178	170	163	154			
50	110	110	109	115	118	126	131	138	133	125	126	127	127	121	117	112			
55	81.3	80.4	79.9	84.2	87.7	92.7	96.2	98.3	94.3	90.3	91.1	92.3	92.9	89.5	87.1	83.2			
60	58.9	57.6	57.3	60.4	63.4	67.9	70.6	70.6	67.5	65.0	65.7	66.4	67.7	65.1	63.8	60.8			
65	37.0	36.2	35.1	37.0	39.2	42.9	44.5	44.0	41.5	41.0	42.1	42.2	42.2	39.9	39.3	37.7			
70	18.5	17.6	16.9	17.6	18.9	21.2	21.5	21.5	20.2	20.2	21.1	20.6	20.5	19.0	18.7	18.4			
75	7.82	7.56	7.32	7.57	7.95	8.76	9.20	8.96	8.41	8.42	8.68	8.73	8.53	8.21	7.99	7.79			
80	4.59	4.45	4.29	4.46	4.67	5.00	5.08	5.07	4.85	4.82	4.96	4.93	4.93	4.63	4.60	4.53			
85	1.90	1.85	1.74	1.97	2.10	2.23	2.11	2.09	2.27	2.21	2.37	2.32	2.29	2.05	2.01	1.95			
90	0.16	0.16	0.14	0.14	0.15	0.19	0.15	0.16	0.26	0.12	0.11	0.16	0.23	0.13	0.12	0.12			
95	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.22	0.15	0.14	0.14	0.16	0.16	0.16	0.16			
100	0.26	0.25	0.25	0.25	0.25	0.23	0.23	0.23	0.24	0.21	0.20	0.20	0.22	0.23	0.22	0.23			
105	0.37	0.36	0.35	0.35	0.36	0.34	0.33	0.33	0.32	0.30	0.28	0.29	0.32	0.33	0.33	0.33			
110	0.51	0.49	0.48	0.49	0.50	0.47	0.45	0.45	0.42	0.41	0.39	0.41	0.44	0.46	0.46	0.46			
115	0.68	0.64	0.64	0.64	0.66	0.62	0.59	0.58	0.53	0.51	0.52	0.55	0.59	0.60	0.61	0.62			
120	0.91	0.85	0.85	0.85	0.88	0.82	0.77	0.74	0.68	0.66	0.67	0.71	0.77	0.79	0.82	0.84			
125	1.24	1.16	1.14	1.13	1.16	1.07	1.01	0.97	0.88	0.86	0.87	0.93	1.00	1.04	1.10	1.13			
130	1.74	1.63	1.60	1.59	1.60	1.47	1.37	1.29	1.15	1.14	1.15	1.24	1.34	1.43	1.50	1.56			
135	2.55	2.40	2.38	2.33	2.33	2.09	1.96	1.86	1.60	1.59	1.61	1.70	1.87	2.02	2.15	2.21			
140	3.77	3.62	3.58	3.51	3.43	3.09	2.91	2.79	2.39	2.35	2.38	2.53	2.74	3.01	3.17	3.25			
145	5.50	5.34	5.32	5.21	5.03	4.57	4.29	4.22	3.66	3.57	3.61	3.84	4.13	4.53	4.72	4.75			
150	7.51	7.45	7.36	7.18	6.96	6.29	5.87	6.04	5.33	5.18	5.15	5.53	5.99	6.36	6.59	6.64			
155	9.48	9.41	9.36	8.86	8.57	7.76	7.45	7.34	6.82	6.54	6.79	7.23	7.79	8.08	8.50	8.56			
160	11.0	10.9	10.2	9.72	9.19	8.44	8.37	8.28	7.66	7.71	8.00	8.31	8.83	9.17	9.36	10.1			
165	10.9	10.7	9.81	9.12	8.49	8.14	8.24	8.39	7.87	8.20	8.34	8.27	8.51	8.86	9.36	10.1			
170	9.37	9.06	8.82	8.07	7.52	7.43	7.27	7.29	7.68	7.67	7.71	8.04	7.96	8.13	8.86	8.96			
175	8.22	8.44	8.07	7.17	6.80	6.93	6.98	6.62	6.88	6.98	7.46	7.61	7.35	7.43	8.15	8.23			
180	6.85	7.25	8.00	7.61	7.47	7.34	7.82	7.10	6.81	7.23	7.99	7.60	7.46	7.33	7.86	7.10			

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