

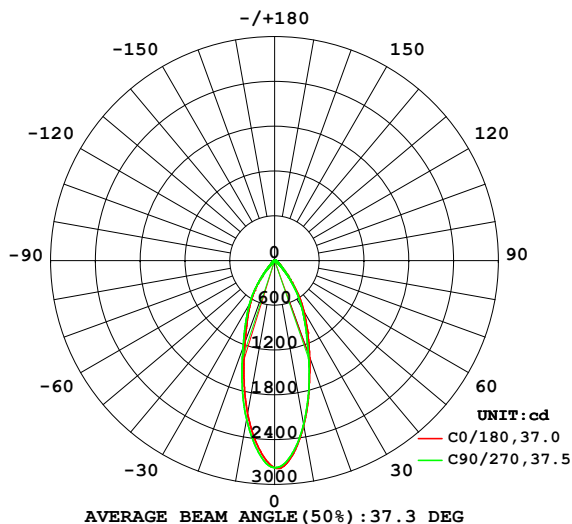
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

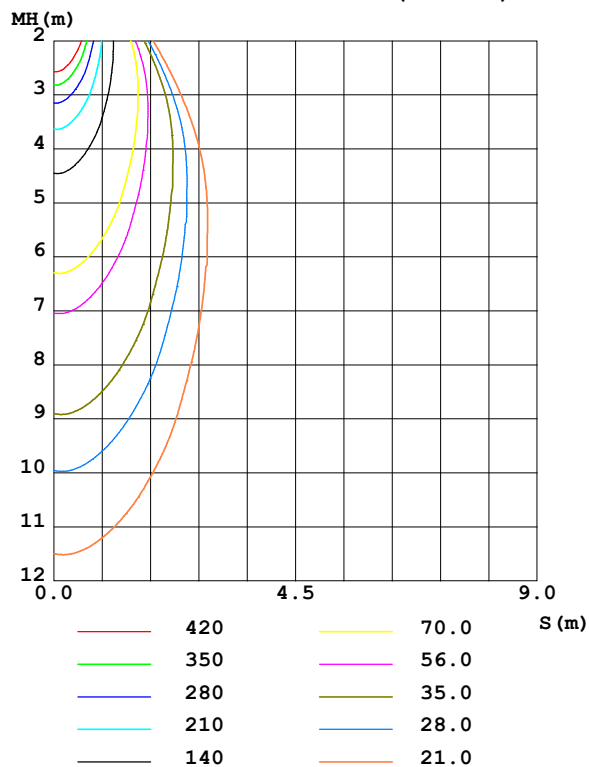
Test:U:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.46 lm/W			
MODEL	ASD-CD-TGR-4D17AC-WH	I _{max} (cd)	2785	S/MH (C0/180)	0.55
NOMINAL POWER (W)	17	LOR (%)	100.0	S/MH (C90/270)	0.58
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1616.3	η UP, DN (C0-180)	0.3, 51.7
NOMINAL FLUX (lm)	1616.34	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 47.6
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.3	CIBSE SHR MAX	0.65

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	2246	2238	2233	2186	2089	2145	2161	2142	0- 10	233.0	233.0	14.4,14.4
20	1378	1353	1328	1261	1161	1204	1241	1250	10- 20	471.4	704.3	43.6,43.6
30	790.0	763.7	732.4	720.5	640.6	635.8	679.0	707.4	20- 30	438.9	1143	70.7,70.7
40	316.8	277.9	286.8	262.8	214.8	223.0	230.4	272.5	30- 40	295.5	1439	89,89
50	75.05	63.84	63.63	54.91	53.08	53.93	57.97	73.89	40- 50	101.7	1540	95.3,95.3
60	33.06	30.79	30.09	28.58	24.93	26.79	27.81	29.08	50- 60	38.30	1579	97.7,97.7
70	12.85	12.05	11.29	10.36	9.087	10.04	10.64	11.34	60- 70	18.33	1597	98.8,98.8
80	3.486	3.220	2.983	2.718	2.462	2.774	3.064	3.253	70- 80	6.513	1604	99.2,99.2
90	0.1182	0.1318	0.1087	0.1119	0.1074	0.0877	0.1146	0.1236	80- 90	1.702	1605	99.3,99.3
100	0.1459	0.1402	0.1525	0.1501	0.1645	0.1412	0.1484	0.1278	90-100	0.1292	1605	99.3,99.3
110	0.2485	0.2450	0.2703	0.2794	0.2843	0.2529	0.2585	0.2330	100-110	0.2062	1606	99.3,99.3
120	0.5513	0.5536	0.5894	0.6537	0.6303	0.5669	0.5890	0.5258	110-120	0.3817	1606	99.4,99.4
130	1.454	1.435	1.525	1.611	1.613	1.512	1.571	1.444	120-130	0.8754	1607	99.4,99.4
140	3.130	3.125	3.212	3.166	3.128	3.157	3.335	3.161	130-140	1.758	1609	99.5,99.5
150	5.340	5.378	5.115	4.843	4.872	4.948	5.244	5.303	140-150	2.574	1611	99.7,99.7
160	7.817	6.727	6.377	5.885	6.120	5.974	6.432	6.505	150-160	2.719	1614	99.9,99.9
170	6.677	6.571	5.903	5.563	5.595	5.821	6.136	6.626	160-170	1.787	1616	100,100
180	5.983	6.479	6.162	6.392	5.972	6.489	6.155	6.388	170-180	0.5773	1616	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

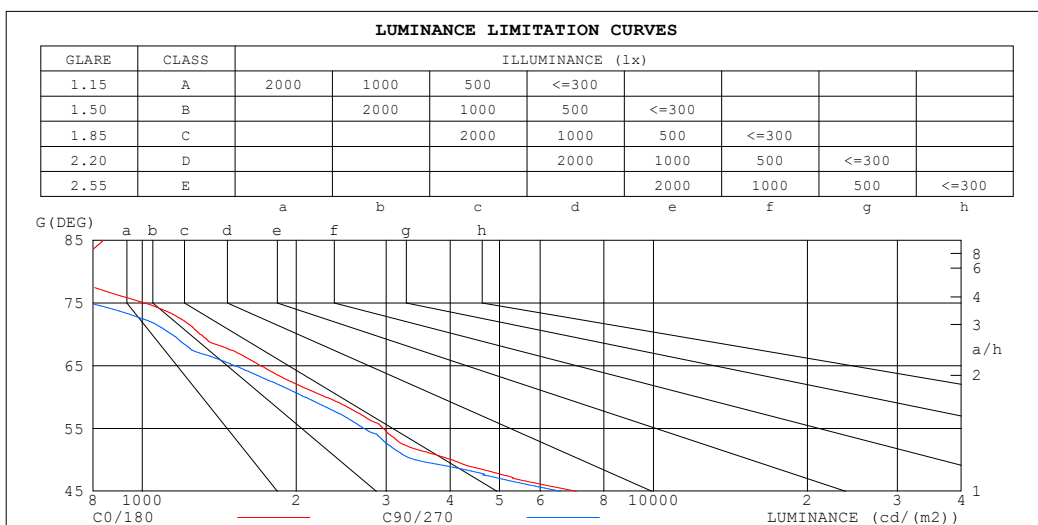
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-06

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:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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:
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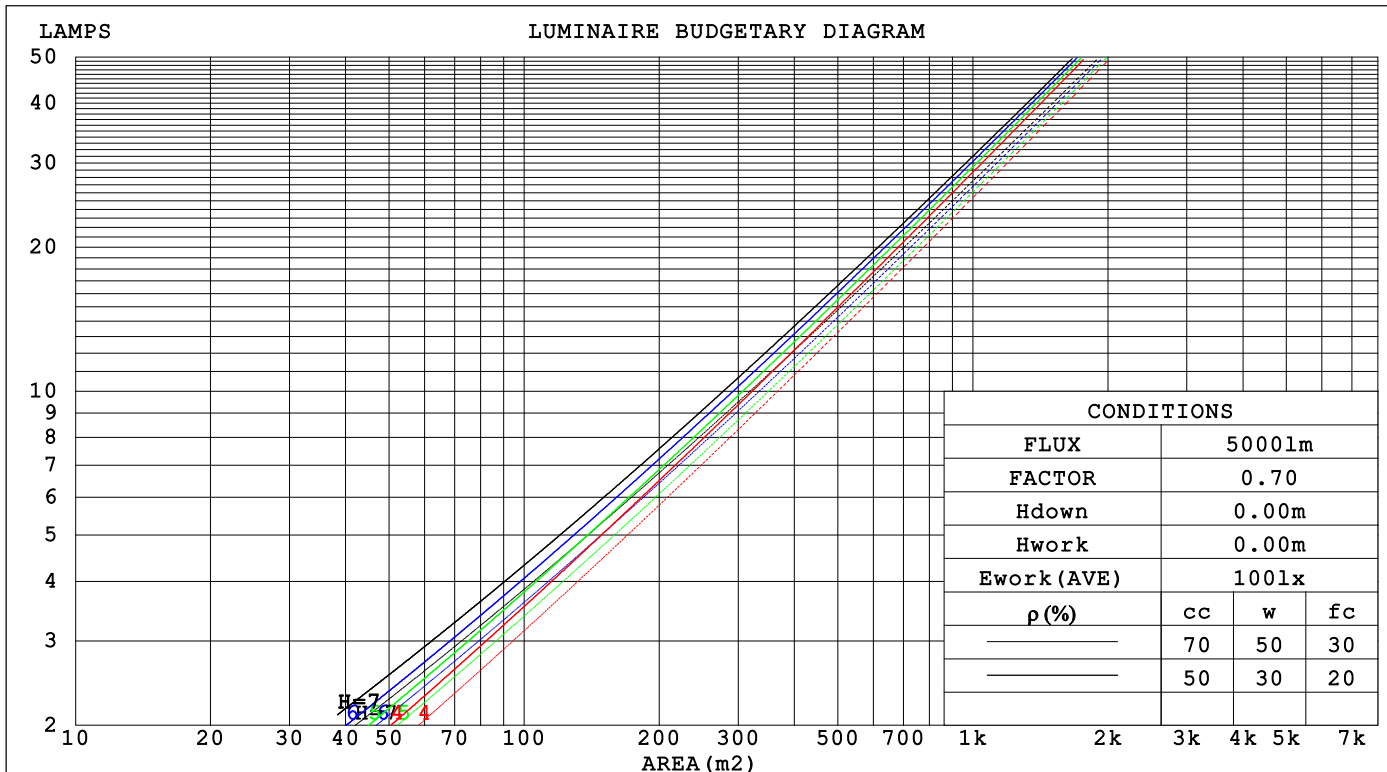
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 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.90	.84	.80	.89	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.77	.75
5.0	.84	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.72	.78	.74	.72	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.65	.74	.68	.64	.73	.68	.64	.71	.67	.64	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
9.0	.67	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
10.0	.64	.58	.54	.63	.58	.54	.62	.57	.54	.62	.57	.54	.61	.57	.54	.52



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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:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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	.079	.026		
2.0	.172	.094	.029	.166	.091	.028	.155	.086	.027	.145	.081	.025	.136	.077	.024		
3.0	.163	.087	.026	.158	.085	.025	.149	.081	.025	.140	.077	.024	.132	.073	.023		
4.0	.155	.080	.024	.151	.079	.023	.142	.076	.023	.135	.072	.022	.128	.069	.021		
5.0	.147	.075	.022	.143	.074	.021	.136	.071	.021	.130	.068	.020	.123	.066	.020		
6.0	.140	.070	.020	.137	.069	.020	.130	.067	.019	.124	.065	.019	.119	.063	.019		
7.0	.133	.066	.019	.130	.065	.019	.125	.063	.018	.120	.061	.018	.115	.060	.018		
8.0	.127	.062	.017	.125	.061	.017	.120	.060	.017	.115	.058	.017	.111	.057	.017		
9.0	.122	.059	.016	.119	.058	.016	.115	.057	.016	.111	.055	.016	.107	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.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	.177	.163	.150	.151	.139	.129	.103	.096	.089	.059	.056	.052	.019	.018	.017		
2.0	.162	.138	.118	.138	.119	.102	.095	.082	.071	.055	.048	.042	.018	.015	.014		
3.0	.149	.119	.095	.128	.103	.082	.088	.071	.058	.051	.042	.034	.016	.014	.011		
4.0	.139	.104	.078	.119	.090	.067	.082	.063	.048	.047	.037	.028	.015	.012	.009		
5.0	.130	.093	.065	.112	.080	.056	.077	.056	.040	.045	.033	.024	.014	.011	.008		
6.0	.123	.083	.055	.105	.072	.048	.073	.051	.034	.042	.030	.020	.014	.010	.007		
7.0	.116	.076	.048	.100	.066	.041	.069	.046	.029	.040	.027	.017	.013	.009	.006		
8.0	.110	.069	.042	.095	.060	.036	.066	.042	.026	.038	.025	.015	.012	.008	.005		
9.0	.105	.064	.037	.090	.056	.032	.063	.039	.023	.037	.023	.014	.012	.008	.005		
10.0	.100	.060	.033	.086	.052	.029	.060	.037	.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:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm										
NAME: ASD-CD-TGR-4D17AC-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	15.3	16.2	15.5	16.4	16.6	14.8	15.8	15.1	15.9	16.1
3H	15.3	16.2	15.6	16.4	16.6	14.8	15.7	15.1	15.9	16.1
4H	15.3	16.1	15.5	16.3	16.5	14.8	15.6	15.0	15.8	16.0
6H	15.2	16.0	15.5	16.2	16.5	14.7	15.5	15.0	15.7	16.0
8H	15.2	15.9	15.5	16.2	16.4	14.7	15.4	15.0	15.7	15.9
12H	15.1	15.8	15.5	16.1	16.4	14.6	15.3	14.9	15.6	15.9
4H 2H	15.2	16.0	15.4	16.2	16.4	14.7	15.5	15.0	15.7	16.0
3H	15.2	15.9	15.5	16.2	16.5	14.7	15.4	15.0	15.7	16.0
4H	15.2	15.8	15.5	16.1	16.4	14.7	15.3	15.0	15.6	16.0
6H	15.1	15.7	15.5	16.0	16.4	14.6	15.2	15.0	15.5	15.9
8H	15.1	15.6	15.5	16.0	16.4	14.6	15.1	15.0	15.5	15.9
12H	15.1	15.5	15.5	15.9	16.3	14.6	15.0	15.0	15.4	15.8
8H 4H	15.1	15.6	15.5	15.9	16.3	14.6	15.1	15.0	15.5	15.8
6H	15.0	15.4	15.5	15.9	16.3	14.5	15.0	15.0	15.4	15.8
8H	15.0	15.4	15.5	15.8	16.3	14.5	14.9	15.0	15.3	15.8
12H	15.0	15.3	15.5	15.8	16.2	14.5	14.8	15.0	15.3	15.7
12H 4H	15.0	15.5	15.4	15.9	16.3	14.5	15.0	14.9	15.4	15.8
6H	15.0	15.3	15.4	15.8	16.2	14.5	14.9	14.9	15.3	15.7
8H	15.0	15.3	15.4	15.7	16.2	14.5	14.8	14.9	15.2	15.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / - 4.5					+ 2.5 / - 4.5				
1.5H	+ 4.5 / - 3.7					+ 4.4 / - 3.6				
2.0H	+ 3.9 / - 2.2					+ 3.8 / - 2.3				

CIE Pub.117, 1616 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.7$)
 Area: 0.0289362 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

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UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	102	96	92	100	95	92	98	94	91	87
1.50	104	99	96	103	99	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	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		

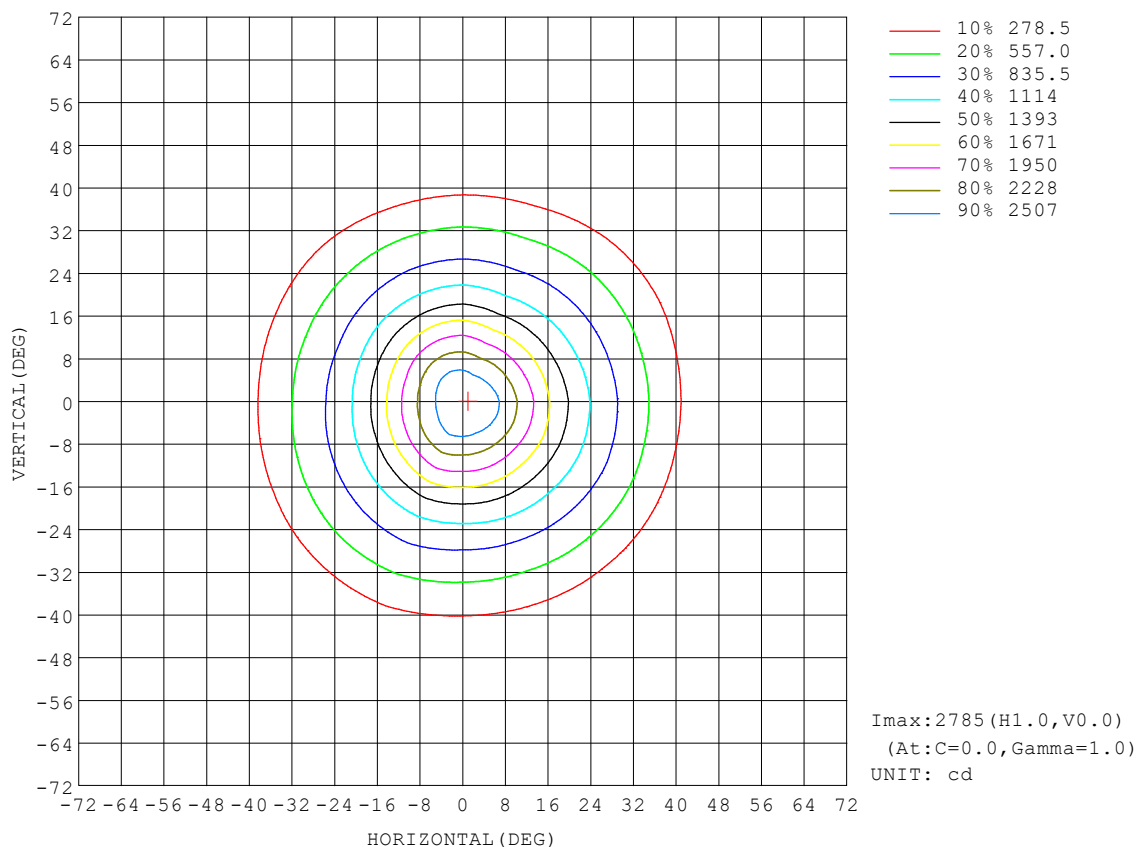
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 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-01-06

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

ISOCANDELA DIAGRAM

Test:U:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
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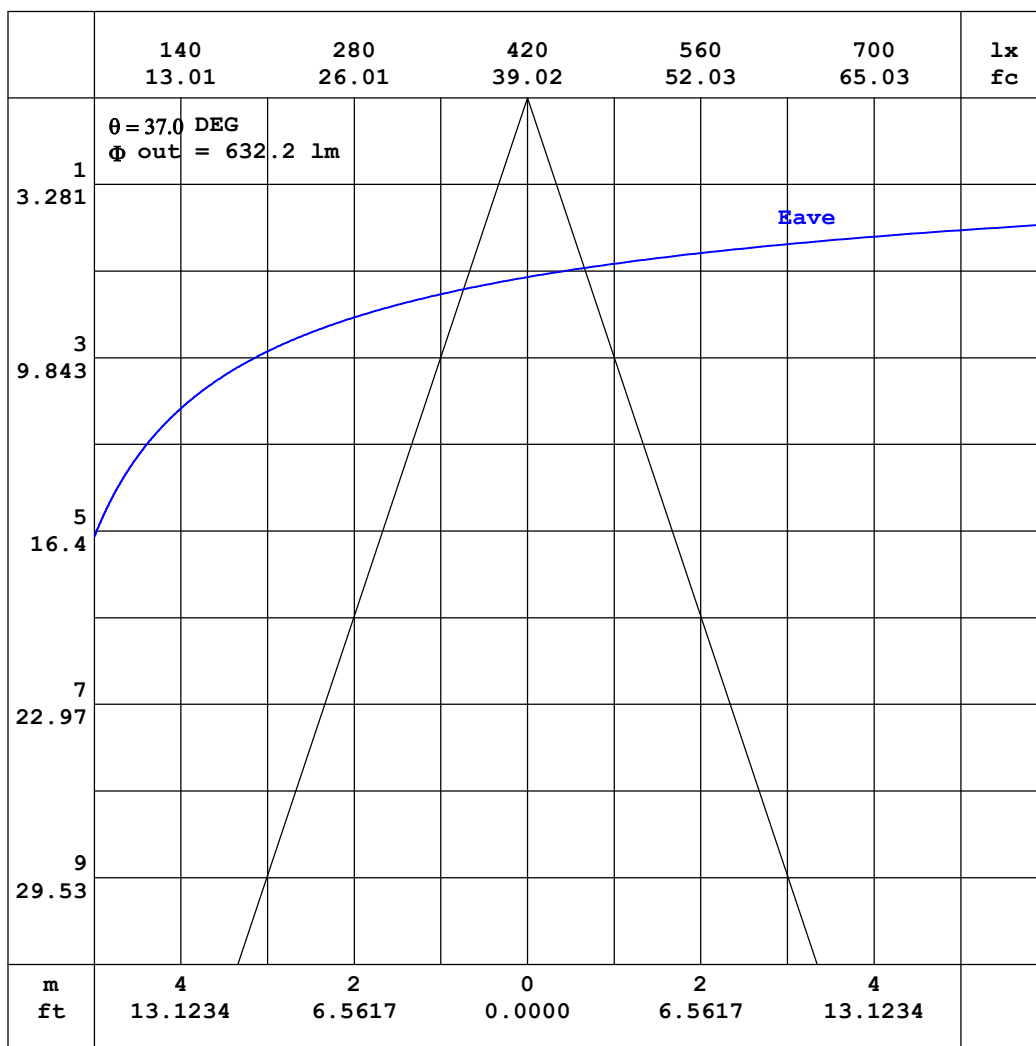
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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI CURVES

Test:U:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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.

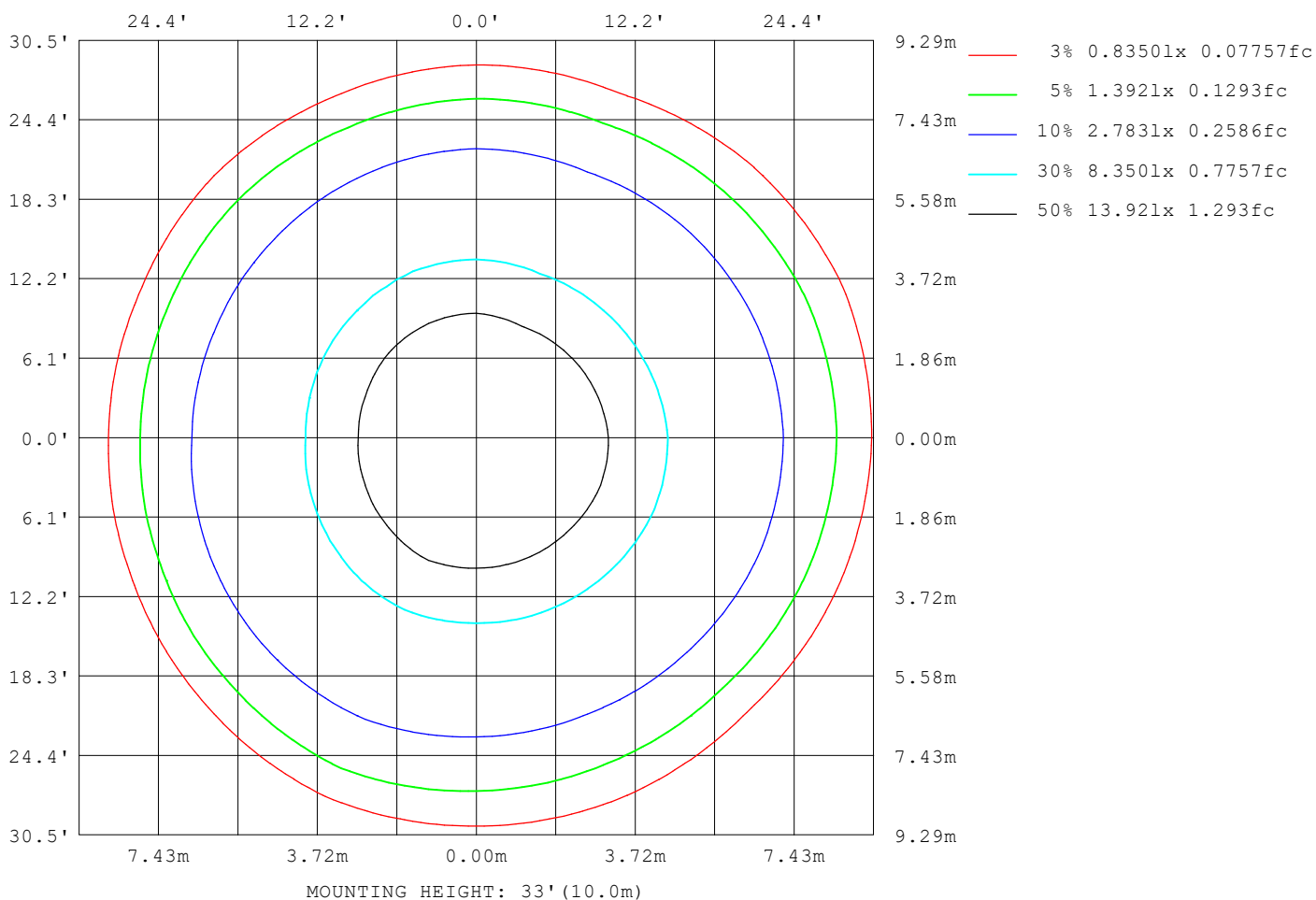
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3°C
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γ Range: 0 - 180DEG
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Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

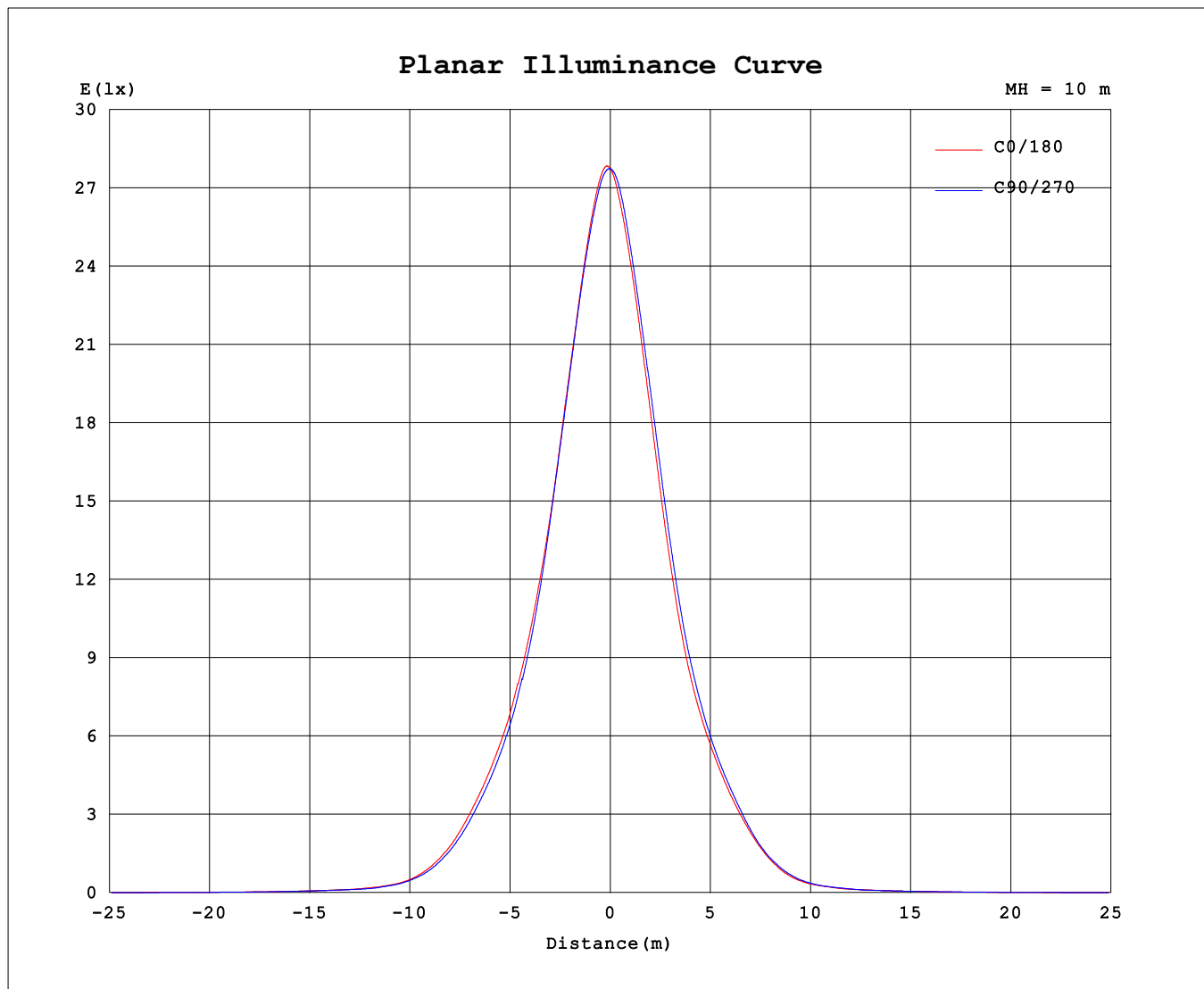
AvgL	cd/m2
L_0~180 (65) av	1469
L_0~180 (75) av	785
L_0~180 (85) av	645
L_90~270 (65) av	1494
L_90~270 (75) av	768
L_90~270 (85) av	662
L_45 (65) av	1478
L_45 (75) av	766
L_45 (85) av	631

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:120.09V I:0.1353A P:15.931W PF:0.9807 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1616.34x1 lm		
NAME: ASD-CD-TGR-4D17AC-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	2775	2773	2777	2774	2774	2760	2754	2749	2775	2773	2777	2774	2774	2760	2754	2749			
5	2643	2640	2623	2613	2616	2618	2570	2528	2519	2535	2571	2587	2574	2534	2552	2588			
10	2256	2264	2247	2240	2243	2266	2196	2126	2099	2100	2154	2176	2170	2118	2152	2193			
15	1799	1809	1786	1787	1789	1808	1717	1647	1603	1611	1661	1692	1700	1633	1679	1736			
20	1385	1387	1361	1352	1337	1349	1268	1208	1168	1173	1212	1238	1249	1208	1257	1314			
25	1064	1057	1032	1004	996	1006	963	914	870	860	887	916	926	907	952	1014			
30	795	801	768	739	737	763	725	682	645	626	640	667	684	675	712	751			
35	558	553	521	503	510	532	500	462	426	417	420	428	446	442	490	528			
40	321	306	282	283	291	307	267	236	219	216	227	221	234	233	276	310			
45	147	140	129	138	137	133	110	100	97.7	94.0	101	102	106	108	141	157			
50	75.7	72.1	64.8	64.7	64.4	62.6	55.5	54.3	53.5	49.7	54.8	54.9	58.8	58.2	74.8	84.1			
55	49.4	47.8	44.7	44.8	45.3	44.8	40.9	39.3	38.4	37.4	38.9	37.0	38.6	38.9	47.0	51.6			
60	33.3	32.7	31.1	30.4	30.4	30.9	28.8	26.4	25.1	25.6	27.0	27.6	28.0	27.8	29.3	30.9			
65	21.0	20.8	19.9	19.0	18.8	19.1	17.5	16.1	15.3	15.9	17.0	17.7	18.2	17.5	18.7	19.9			
70	13.0	12.7	12.1	11.6	11.4	11.4	10.4	9.66	9.19	9.48	10.1	10.5	10.7	10.6	11.4	12.3			
75	7.67	7.36	6.67	6.22	5.98	6.07	5.23	4.59	4.28	4.52	5.07	5.45	5.72	5.55	6.36	7.10			
80	3.50	3.42	3.24	3.10	3.00	2.97	2.74	2.57	2.49	2.59	2.79	2.95	3.08	3.07	3.27	3.41			
85	2.15	2.02	1.78	1.70	1.65	1.59	1.32	1.25	1.17	1.28	1.50	1.66	1.75	1.68	1.88	2.06			
90	0.12	0.16	0.14	0.11	0.11	0.14	0.11	0.11	0.11	0.10	0.09	0.10	0.13	0.12	0.14	0.15			
95	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.10	0.11	0.14	0.10	0.10			
100	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.15	0.14	0.14	0.15	0.18	0.13	0.12			
105	0.18	0.18	0.18	0.19	0.20	0.19	0.20	0.21	0.22	0.20	0.19	0.18	0.19	0.21	0.17	0.16			
110	0.25	0.24	0.24	0.25	0.27	0.26	0.28	0.30	0.28	0.26	0.25	0.25	0.25	0.26	0.23	0.22			
115	0.35	0.35	0.35	0.36	0.38	0.37	0.41	0.45	0.40	0.37	0.36	0.36	0.37	0.37	0.33	0.31			
120	0.55	0.53	0.55	0.56	0.59	0.58	0.65	0.71	0.62	0.58	0.56	0.56	0.58	0.59	0.52	0.48			
125	0.89	0.88	0.89	0.91	0.95	0.93	1.04	1.13	1.02	0.97	0.93	0.93	0.96	0.98	0.88	0.80			
130	1.44	1.41	1.42	1.46	1.51	1.49	1.60	1.73	1.60	1.56	1.50	1.51	1.55	1.59	1.43	1.32			
135	2.18	2.12	2.16	2.20	2.28	2.21	2.33	2.47	2.29	2.28	2.26	2.29	2.36	2.39	2.19	2.01			
140	3.11	3.04	3.10	3.12	3.19	3.04	3.15	3.34	3.11	3.14	3.14	3.20	3.31	3.33	3.14	2.88			
145	4.16	4.11	4.17	4.16	4.17	3.95	3.90	4.27	4.06	4.08	3.99	4.17	4.31	4.36	4.16	3.88			
150	5.32	5.32	5.35	5.14	5.10	4.81	4.82	5.06	4.86	4.84	4.93	5.03	5.23	5.28	5.28	4.99			
155	6.70	6.58	6.38	5.98	5.91	5.49	5.55	5.80	5.64	5.57	5.74	5.73	6.04	6.07	6.17	6.21			
160	7.81	7.43	6.72	6.48	6.37	5.81	5.89	6.10	6.13	6.05	5.97	6.05	6.43	6.56	6.50	6.98			
165	7.48	7.22	6.61	6.36	6.03	5.80	5.73	5.79	5.81	5.94	5.91	6.01	6.11	6.34	6.47	6.87			
170	6.69	6.59	6.57	6.23	5.91	5.78	5.56	5.30	5.60	5.58	5.81	6.18	6.13	6.26	6.62	6.40			
175	6.42	6.57	6.48	6.04	5.82	5.81	5.77	5.43	5.35	5.45	5.95	6.13	6.04	6.09	6.45	6.35			
180	5.99	6.08	6.49	6.22	6.16	6.08	6.39	6.01	5.97	6.06	6.47	6.23	6.16	6.07	6.39	6.05			

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