

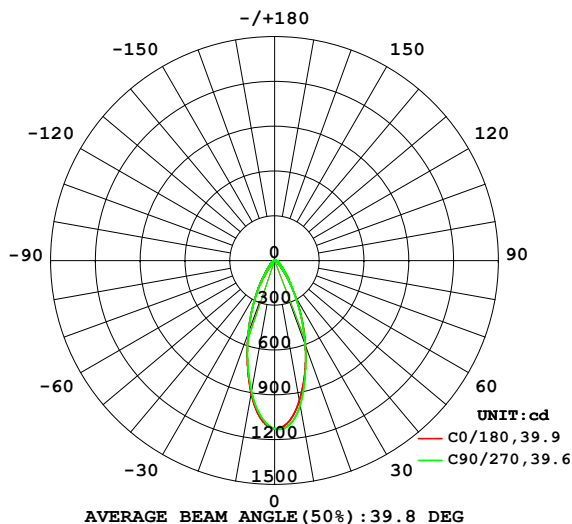
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

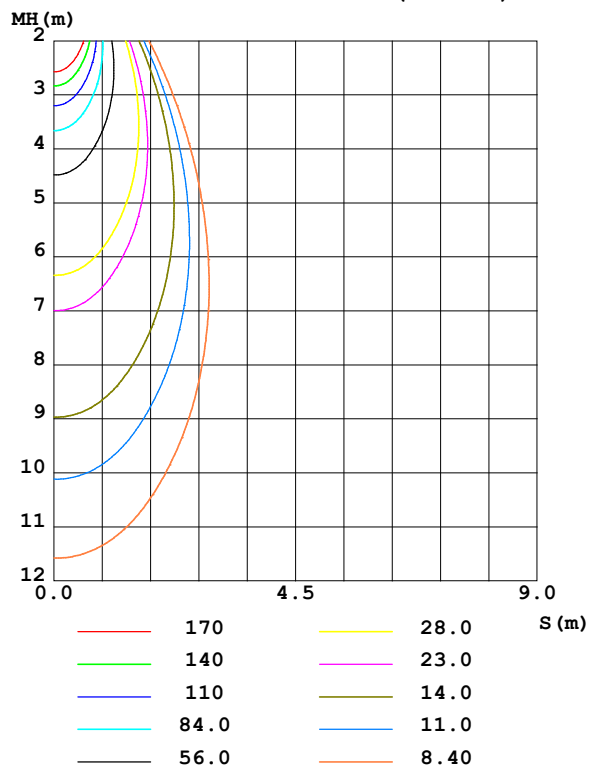
Test:U:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 91.33 lm/W
MORENO-LED-AURA-3-S8W-5CCT-WH		Imax (cd)	1132	S/MH(C0/180)	0.60	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.60	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	684.07	η UP,DN(C0-180)	0.4,52.5	
NOMINAL FLUX(lm)	684.072	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,46.8	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	120	η down (%)	99.3	CIBSE SHR MAX	0.70	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-05-14

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	954.3	981.1	986.0	954.2	907.0	879.0	892.6	922.0	0- 10	98.16	98.16	14.3,14.3
20	603.1	599.1	600.4	573.4	519.4	487.7	518.1	574.8	10- 20	205.8	304.0	44.4,44.4
30	285.2	272.5	280.5	272.8	229.7	207.4	224.1	267.5	20- 30	179.7	483.7	70.7,70.7
40	97.74	95.27	99.65	98.21	80.69	71.65	73.40	86.61	30- 40	97.81	581.5	85,85
50	37.63	38.48	40.56	38.48	36.74	35.54	35.82	36.06	40- 50	42.65	624.1	91.2,91.2
60	22.77	23.24	24.61	23.65	22.94	22.14	22.78	22.44	50- 60	26.20	650.3	95.1,95.1
70	12.94	13.31	14.33	13.95	13.68	13.12	13.38	13.02	60- 70	17.97	668.3	97.7,97.7
80	3.894	2.997	4.554	4.247	4.068	5.217	4.330	4.923	70- 80	9.371	677.7	99.1,99.1
90	0.1185	0.2618	0.2372	0.1330	0.0954	0.0799	0.0872	0.1056	80- 90	1.428	679.1	99.3,99.3
100	0.1166	0.1082	0.1242	0.1109	0.1057	0.0962	0.1049	0.1327	90-100	0.1140	679.2	99.3,99.3
110	0.1926	0.1789	0.1876	0.1788	0.1713	0.1681	0.1952	0.1833	100-110	0.1518	679.4	99.3,99.3
120	0.3066	0.2870	0.3021	0.2989	0.2827	0.2930	0.3291	0.2993	110-120	0.2318	679.6	99.3,99.3
130	0.6047	0.5430	0.5829	0.6187	0.6071	0.6097	0.6708	0.6234	120-130	0.3807	680.0	99.4,99.4
140	1.319	1.168	1.244	1.329	1.353	1.352	1.449	1.360	130-140	0.7063	680.7	99.5,99.5
150	2.547	2.192	2.212	2.177	2.356	2.305	2.530	2.355	140-150	1.135	681.8	99.7,99.7
160	3.320	2.838	2.699	2.615	2.670	2.738	2.934	2.854	150-160	1.229	683.0	99.8,99.8
170	2.806	2.754	2.607	2.556	2.447	2.638	2.729	2.807	160-170	0.7893	683.8	100,100
180	2.463	2.621	2.429	2.616	2.463	2.620	2.430	2.612	170-180	0.2446	684.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

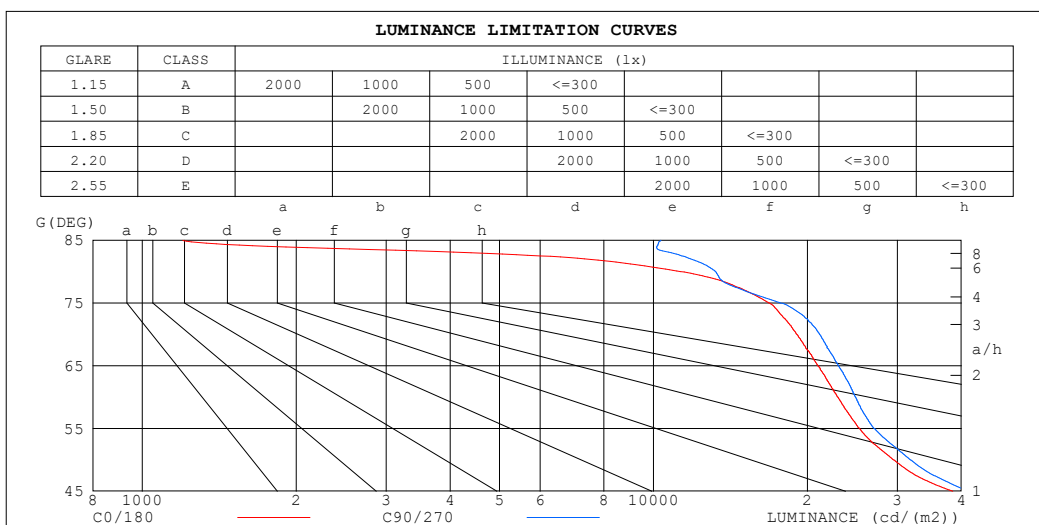
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-05-14

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:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1227	10534
80	11589	13382
75	16998	18008
70	19194	21268
65	21085	23124
60	23044	24942
55	25396	27170
50	29660	32007
45	38878	41725

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-05-14

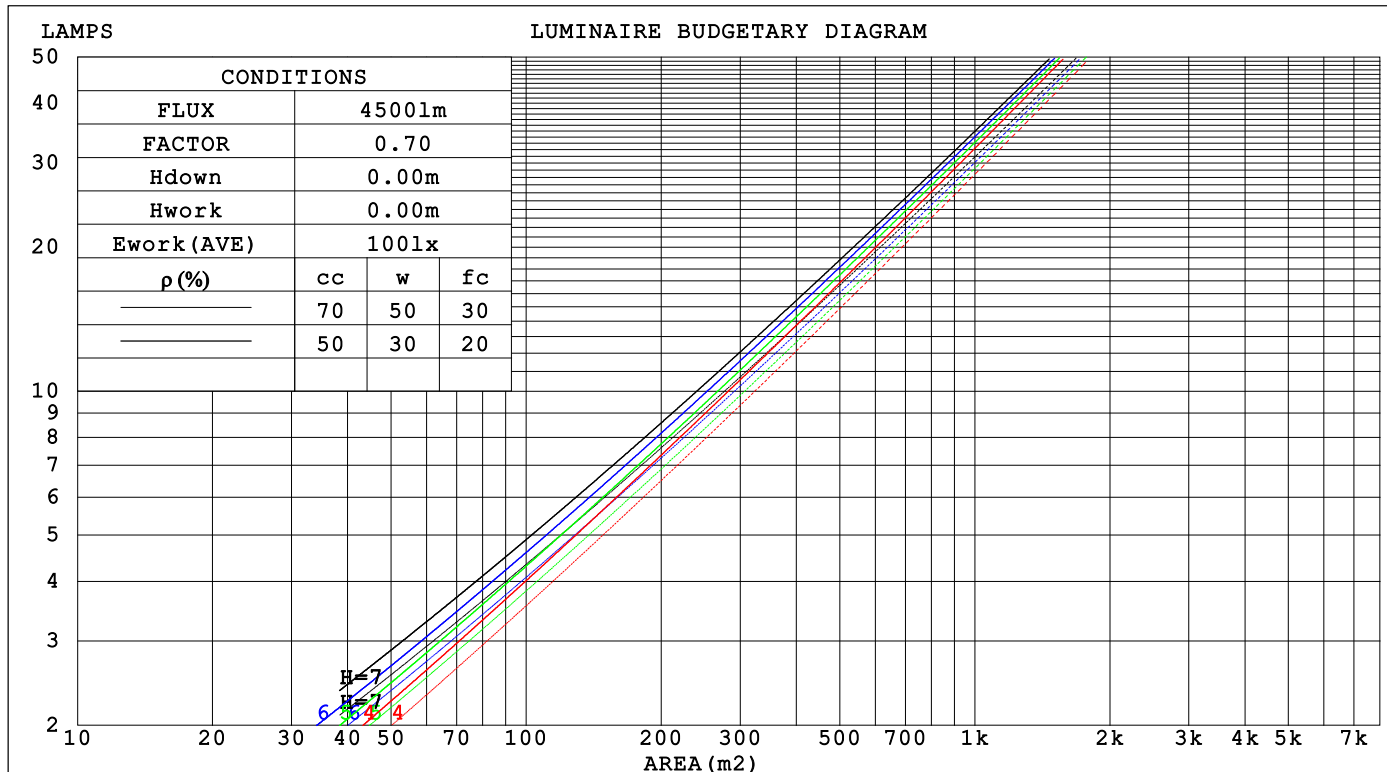
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Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	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	1.07	1.05	1.08	1.05	1.03	1.03	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.94	.00	.96	.93	.97	.93	.91	.93	.91	.89	.91	.89	.87	.85
3.0	.95	.89	.85	.93	.88	.85	.90	.86	.83	.88	.85	.82	.86	.83	.80	.79
4.0	.88	.83	.78	.87	.82	.78	.85	.80	.77	.83	.79	.76	.81	.78	.75	.73
5.0	.83	.77	.73	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.77	.72	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.74	.68	.63	.73	.67	.63	.72	.67	.63	.70	.66	.62	.69	.65	.62	.61
8.0	.70	.64	.60	.69	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.57
9.0	.66	.60	.56	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.56	.54
10.0	.63	.57	.53	.62	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.52



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
Operators:
Test Date: 2026-05-14

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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:

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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH			TYPE:			WEIGHT:		
SPEC.: 2700K			DIM.:			SERIAL No.:		
MFR.: RENO			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	.191	.108	.034	.184	.105	.033	.171	.098	.031	.159	.091	.029	.147	.085	.028		
2.0	.181	.099	.030	.175	.097	.030	.164	.091	.028	.154	.086	.027	.145	.082	.026		
3.0	.171	.091	.027	.166	.089	.027	.156	.085	.026	.147	.081	.025	.139	.077	.024		
4.0	.161	.084	.025	.157	.082	.024	.148	.079	.023	.141	.076	.023	.134	.073	.022		
5.0	.152	.077	.022	.148	.076	.022	.141	.073	.022	.134	.071	.021	.128	.068	.021		
6.0	.144	.072	.021	.140	.071	.020	.134	.069	.020	.128	.067	.020	.122	.064	.019		
7.0	.136	.067	.019	.133	.066	.019	.128	.065	.019	.122	.063	.018	.117	.061	.018		
8.0	.129	.063	.018	.127	.062	.018	.122	.061	.017	.117	.059	.017	.113	.058	.017		
9.0	.123	.060	.017	.121	.059	.017	.117	.058	.016	.112	.056	.016	.108	.055	.016		
10.0	.118	.056	.016	.116	.056	.016	.112	.055	.015	.108	.054	.015	.104	.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	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.178	.163	.149	.152	.140	.129	.104	.096	.089	.060	.056	.052	.019	.018	.017		
2.0	.163	.138	.117	.140	.119	.101	.096	.082	.071	.055	.048	.041	.018	.015	.013		
3.0	.151	.119	.094	.129	.103	.081	.089	.071	.057	.051	.042	.034	.016	.014	.011		
4.0	.141	.105	.077	.121	.090	.067	.083	.063	.047	.048	.037	.028	.015	.012	.009		
5.0	.132	.093	.065	.113	.081	.056	.078	.056	.040	.045	.033	.024	.015	.011	.008		
6.0	.124	.084	.055	.107	.073	.048	.074	.051	.034	.043	.030	.020	.014	.010	.007		
7.0	.118	.076	.047	.101	.066	.041	.070	.046	.029	.041	.027	.017	.013	.009	.006		
8.0	.112	.070	.042	.096	.061	.036	.066	.043	.026	.039	.025	.015	.013	.008	.005		
9.0	.106	.065	.037	.091	.056	.032	.063	.040	.023	.037	.023	.014	.012	.008	.005		
10.0	.101	.060	.033	.087	.052	.029	.061	.037	.021	.035	.022	.012	.011	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-05-14

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:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm											
NAME: RENO-LED-AURA-3-S8W-5CCT-WH						TYPE:			WEIGHT:		
SPEC.: 2700K						DIM.:			SERIAL No.:		
MFR.: RENO						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	2H	21.3	22.3	21.6	22.5	22.7	21.4	22.4	21.7	22.6	22.8
	3H	22.0	22.9	22.2	23.1	23.3	22.1	23.0	22.4	23.2	23.5
	4H	22.2	23.1	22.5	23.3	23.6	22.4	23.2	22.7	23.5	23.7
	6H	22.4	23.2	22.7	23.4	23.7	22.5	23.3	22.8	23.6	23.8
	8H	22.3	23.1	22.7	23.4	23.7	22.5	23.3	22.8	23.6	23.8
	12H	22.3	23.0	22.6	23.3	23.6	22.5	23.3	22.9	23.5	23.8
4H	2H	21.5	22.4	21.8	22.6	22.9	21.6	22.5	21.9	22.7	22.9
	3H	22.4	23.1	22.7	23.4	23.7	22.5	23.2	22.8	23.5	23.8
	4H	22.7	23.4	23.1	23.7	24.0	22.8	23.5	23.2	23.8	24.2
	6H	22.9	23.5	23.3	23.9	24.2	23.0	23.6	23.4	23.9	24.3
	8H	22.9	23.5	23.3	23.8	24.2	23.0	23.6	23.4	24.0	24.3
	12H	22.9	23.4	23.3	23.8	24.2	23.1	23.6	23.5	23.9	24.4
8H	4H	22.8	23.4	23.2	23.7	24.1	22.9	23.5	23.3	23.8	24.2
	6H	23.1	23.5	23.5	23.9	24.3	23.1	23.5	23.5	23.9	24.4
	8H	23.1	23.5	23.5	23.9	24.4	23.2	23.6	23.6	24.0	24.4
	12H	23.0	23.4	23.5	23.8	24.3	23.2	23.6	23.7	24.0	24.5
12H	4H	22.8	23.3	23.2	23.7	24.1	22.9	23.4	23.3	23.8	24.2
	6H	23.0	23.4	23.5	23.9	24.3	23.1	23.5	23.5	23.9	24.3
	8H	23.0	23.4	23.5	23.8	24.3	23.1	23.5	23.6	23.9	24.4
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.0 / - 1.1					+ 1.0 / - 1.0				
1.5H		+ 1.9 / - 0.9					+ 1.9 / - 0.7				
2.0H		+ 1.0 / - 0.7					+ 1.1 / - 0.6				

CIE Pub.117, 684.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.3)
 Area: 0.00198412 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-05-14

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:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	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) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	71	82	75	71	81	74	71	66
0.80	90	83	79	89	83	79	88	82	78	74
1.00	95	89	84	94	88	84	92	88	84	79
1.25	100	94	90	99	93	89	96	92	88	84
1.50	103	97	93	101	96	93	99	95	92	87
2.00	106	101	98	105	100	97	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	99	93
4.00	112	109	107	110	107	105	106	104	102	95
5.00	114	111	109	112	109	107	107	106	104	96
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

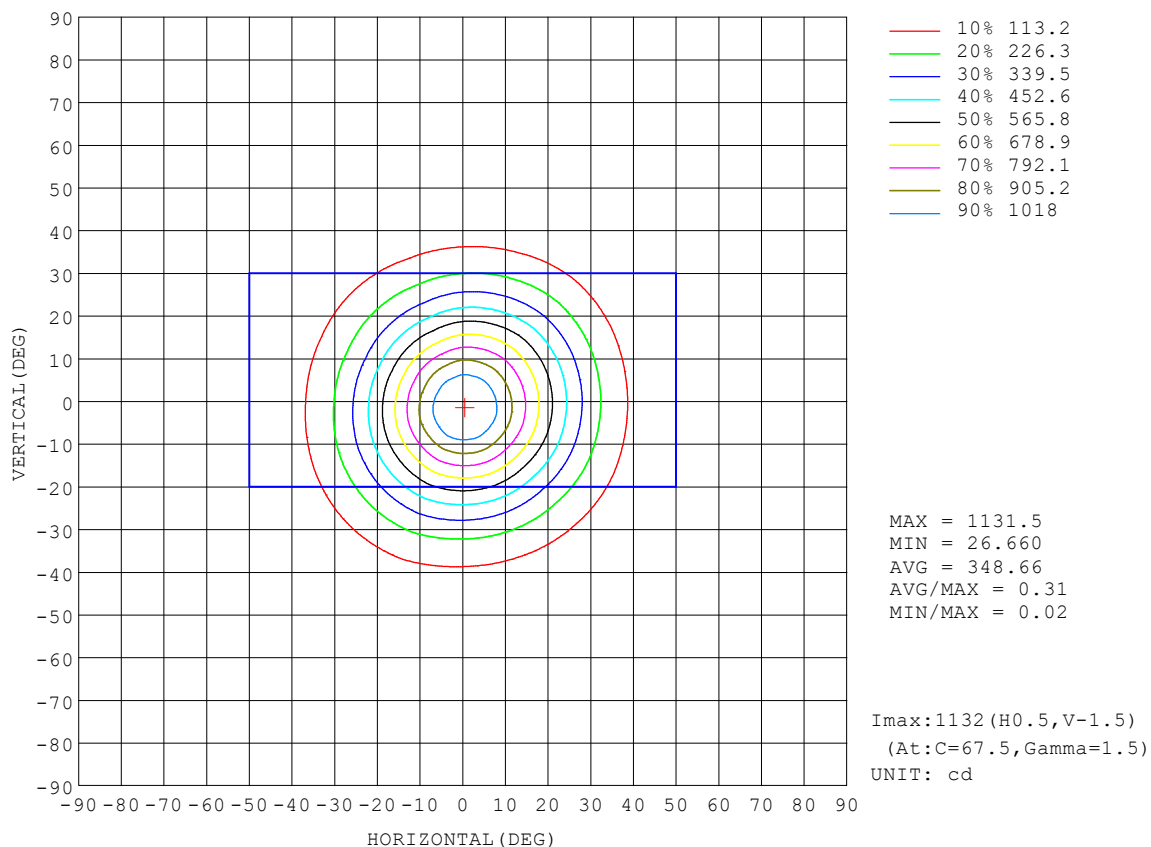
C Range: 0 - 360DEG
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 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-05-14

γ Range: 0 - 180DEG
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 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
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 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
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SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:

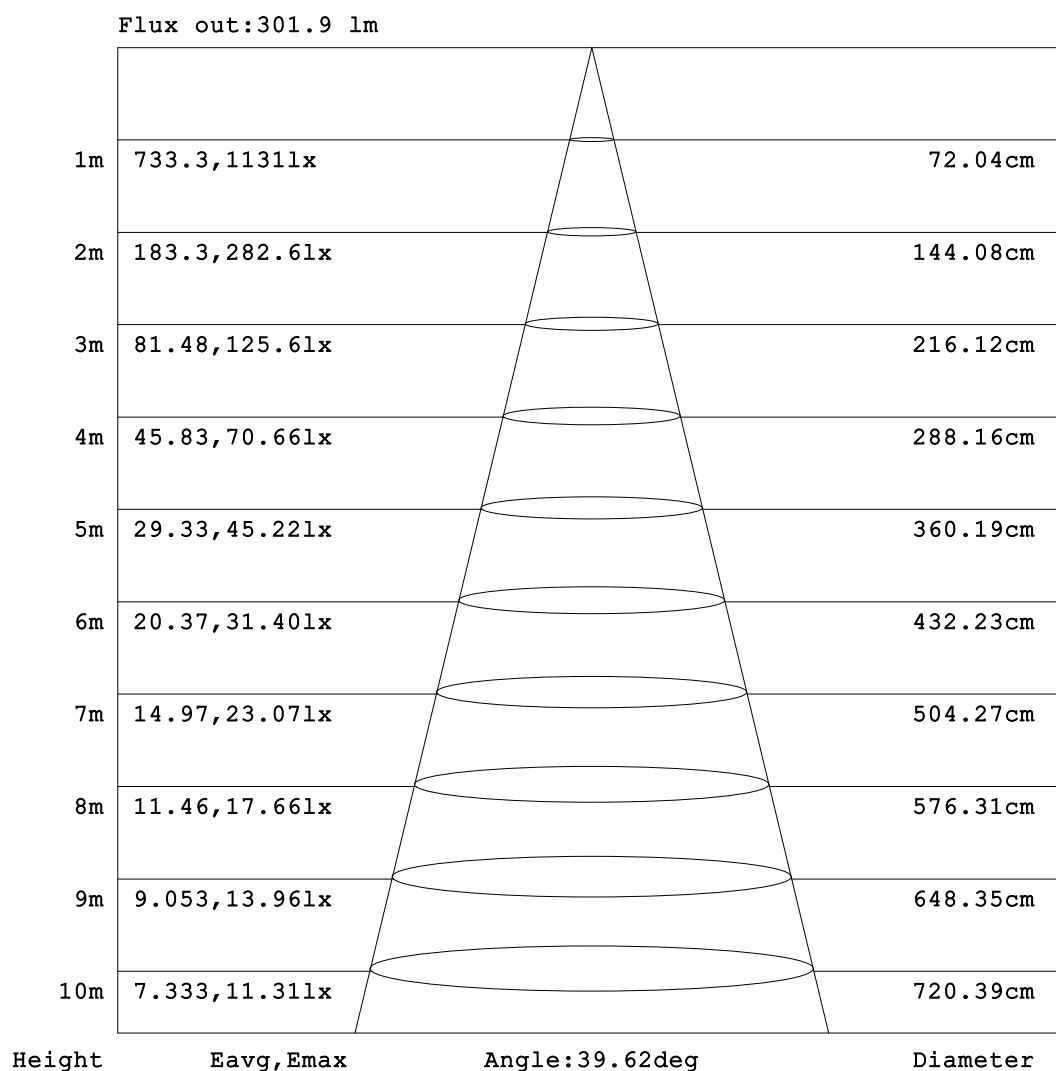


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Humidity:65.0%
Test Distance:3.087m [K=1.0000]
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT
AAI Figure

Test:U:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:



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

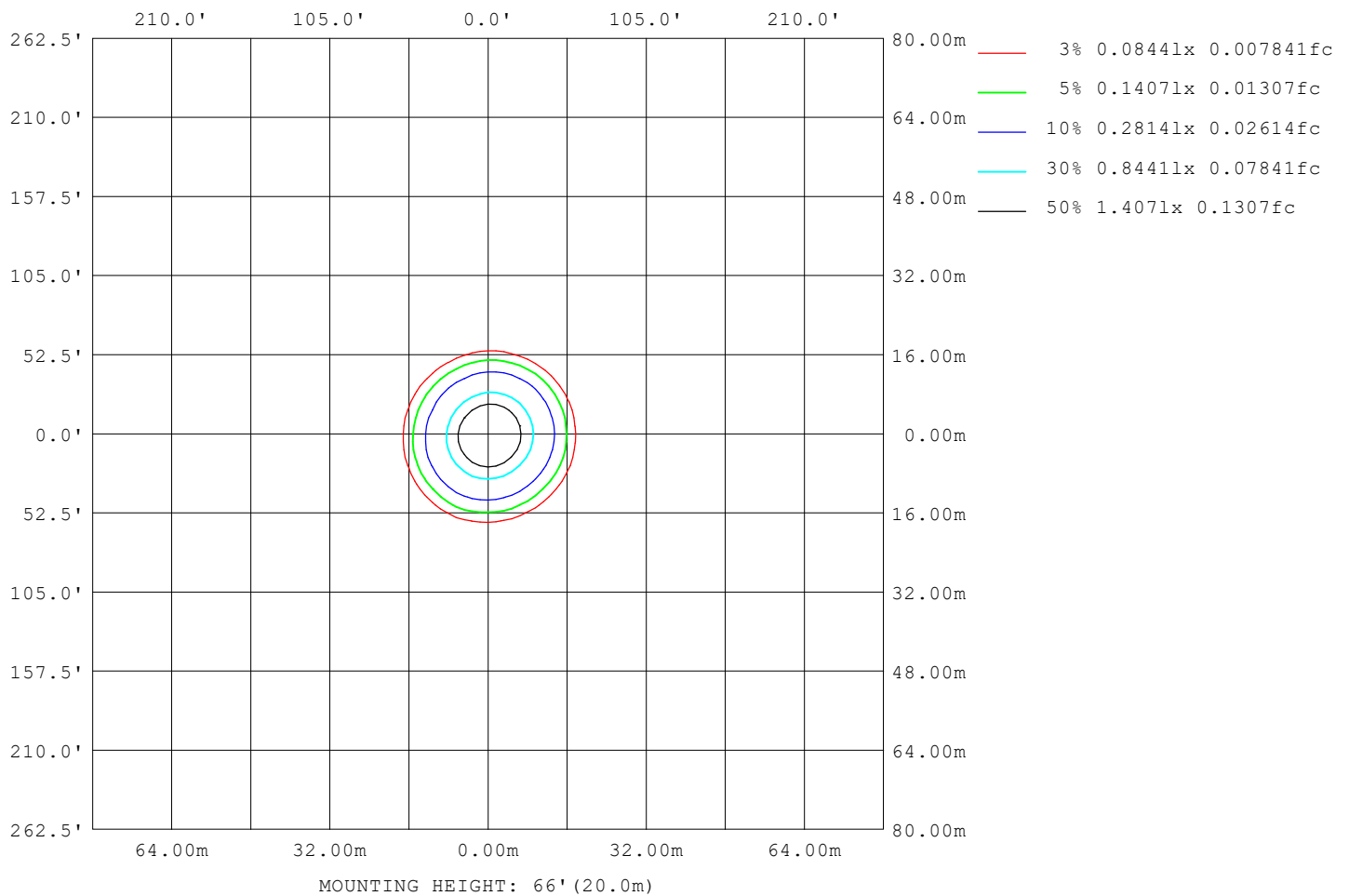
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-05-14

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:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-05-14

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:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	SUR.:	Shielding Angle:

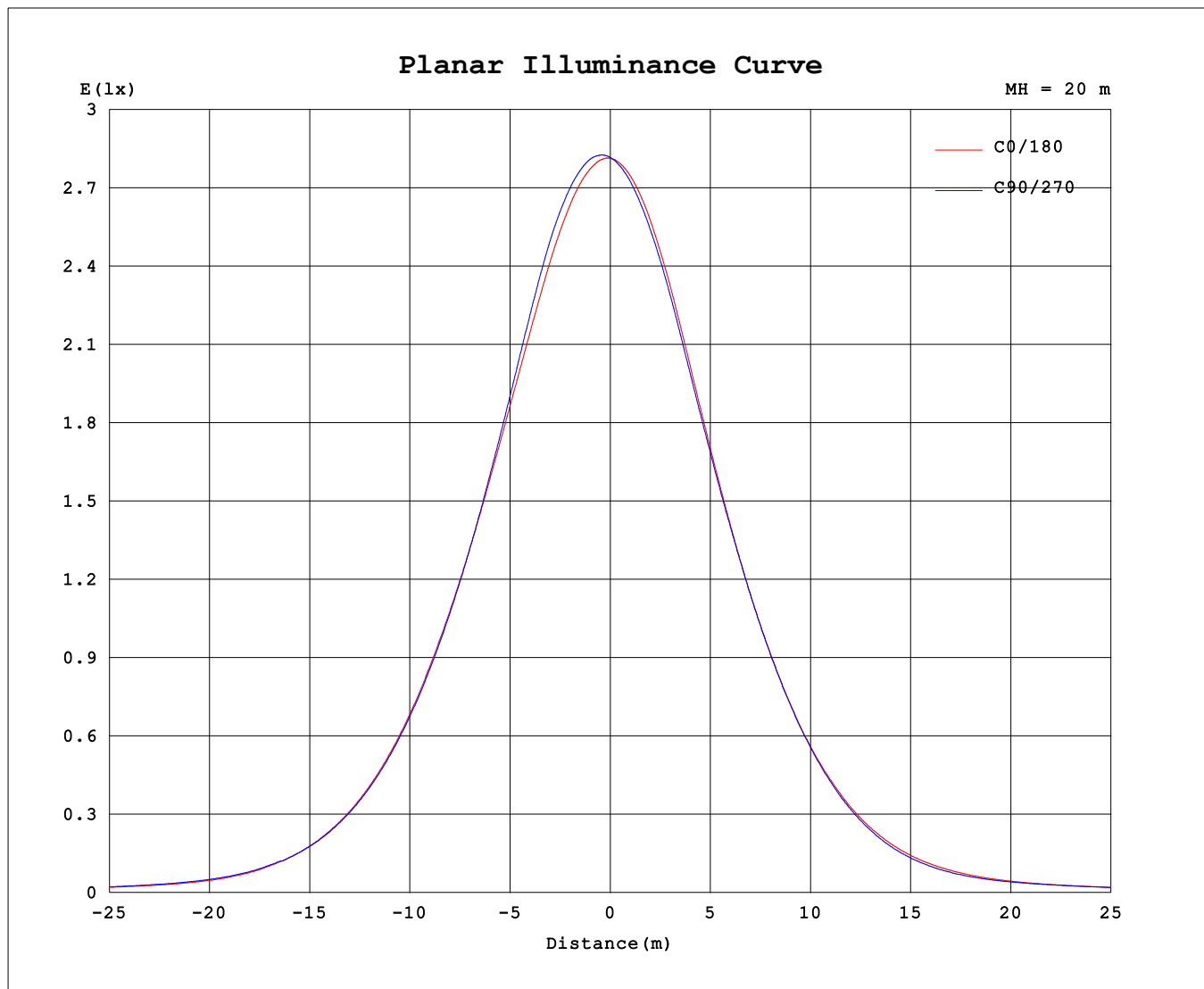
AvgL	cd/m2
L_0~180 (65) av	21206
L_0~180 (75) av	17151
L_0~180 (85) av	972
L_90~270 (65) av	22138
L_90~270 (75) av	17733
L_90~270 (85) av	8497
L_45 (65) av	21404
L_45 (75) av	17463
L_45 (85) av	3387

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-05-14

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: 2026-05-14

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:120.26V I:0.0650A P:7.4903W PF:0.9588 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:684.072x1 lm		
NAME: RENO-LED-AURA-3-S8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 2700K	DIM.:	SERIAL No.:
MFR.: RENO	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	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126			
5	1086	1099	1104	1110	1108	1106	1092	1081	1066	1053	1050	1046	1052	1055	1066	1074			
10	957	977	984	995	989	985	958	938	911	887	883	880	896	906	925	939			
15	787	799	799	807	799	792	763	740	712	686	680	679	705	727	753	768			
20	607	611	603	608	604	604	577	553	523	496	491	493	521	548	578	594			
25	436	435	423	429	430	435	413	391	361	336	331	333	359	383	411	426			
30	288	285	275	280	283	291	275	258	232	212	209	209	226	247	270	281			
35	174	173	166	168	172	181	169	156	139	127	123	121	131	143	161	169			
40	98.9	98.9	96.4	96.8	101	105	99.3	89.7	81.5	77.2	72.4	70.3	74.2	78.6	87.6	94.6			
45	54.6	56.1	55.7	57.2	58.5	60.5	56.7	53.2	50.9	49.7	47.7	45.6	47.5	48.5	49.6	51.7			
50	37.8	38.5	38.7	39.5	40.8	41.6	38.7	37.7	36.9	36.5	35.7	34.4	36.0	36.7	36.2	36.7			
55	28.9	29.4	29.2	29.9	30.9	31.6	29.6	29.1	28.6	28.3	27.7	27.2	28.3	28.6	28.1	28.3			
60	22.9	23.6	23.4	23.9	24.7	25.2	23.8	23.3	23.0	22.7	22.2	22.0	22.9	23.1	22.5	22.5			
65	17.7	18.1	18.2	18.7	19.4	19.7	18.8	18.4	18.1	17.9	17.4	17.4	17.9	18.1	17.7	17.5			
70	13.0	13.4	13.4	13.9	14.4	14.6	14.0	13.8	13.8	13.9	13.2	13.1	13.5	13.4	13.1	12.8			
75	8.73	9.04	8.59	7.92	9.24	9.74	9.59	9.46	9.07	9.57	9.18	8.91	9.22	9.07	8.86	8.58			
80	3.99	4.17	3.09	3.09	4.61	2.83	4.37	4.93	4.16	4.67	5.30	5.15	4.42	4.30	4.99	4.39			
85	0.21	0.31	0.57	1.99	1.82	0.40	0.29	0.72	0.13	0.47	0.93	1.78	1.17	0.78	0.71	0.63			
90	0.12	0.15	0.27	0.33	0.24	0.24	0.13	0.09	0.09	0.07	0.08	0.09	0.09	0.10	0.11	0.10			
95	0.09	0.09	0.09	0.15	0.13	0.16	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.09	0.09			
100	0.12	0.12	0.10	0.10	0.12	0.12	0.11	0.10	0.10	0.10	0.10	0.11	0.11	0.10	0.13	0.10			
105	0.15	0.16	0.16	0.14	0.15	0.14	0.14	0.14	0.13	0.14	0.13	0.14	0.15	0.14	0.15	0.14			
110	0.19	0.19	0.18	0.18	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.18	0.19	0.19	0.18	0.18			
115	0.24	0.23	0.23	0.22	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.23	0.25	0.24	0.23	0.22			
120	0.31	0.30	0.28	0.28	0.30	0.30	0.30	0.30	0.28	0.29	0.29	0.30	0.33	0.32	0.30	0.29			
125	0.42	0.39	0.38	0.38	0.40	0.41	0.42	0.43	0.40	0.41	0.40	0.43	0.45	0.45	0.42	0.40			
130	0.60	0.56	0.54	0.54	0.58	0.59	0.62	0.64	0.60	0.61	0.60	0.63	0.66	0.66	0.62	0.58			
135	0.89	0.81	0.79	0.79	0.85	0.87	0.92	0.96	0.91	0.93	0.91	0.94	0.98	0.98	0.92	0.86			
140	1.31	1.21	1.16	1.15	1.23	1.26	1.32	1.40	1.34	1.37	1.34	1.37	1.44	1.42	1.35	1.28			
145	1.87	1.74	1.66	1.61	1.71	1.72	1.76	1.89	1.89	1.93	1.84	1.89	1.99	1.94	1.86	1.81			
150	2.53	2.37	2.18	2.08	2.20	2.17	2.17	2.33	2.35	2.39	2.30	2.40	2.52	2.44	2.35	2.43			
155	3.13	2.93	2.61	2.49	2.54	2.49	2.46	2.64	2.64	2.72	2.61	2.79	2.85	2.79	2.72	2.89			
160	3.32	3.15	2.84	2.70	2.70	2.63	2.61	2.69	2.67	2.76	2.74	2.91	2.94	2.93	2.86	3.09			
165	3.19	3.09	2.83	2.74	2.64	2.61	2.61	2.60	2.57	2.64	2.80	2.81	2.82	2.84	2.77	3.02			
170	2.81	2.75	2.75	2.66	2.61	2.61	2.56	2.43	2.45	2.47	2.64	2.76	2.73	2.73	2.81	2.74			
175	2.66	2.72	2.65	2.48	2.44	2.45	2.48	2.31	2.24	2.25	2.49	2.60	2.51	2.49	2.64	2.68			
180	2.47	2.46	2.63	2.50	2.43	2.44	2.61	2.50	2.46	2.45	2.62	2.51	2.43	2.45	2.61	2.51			

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