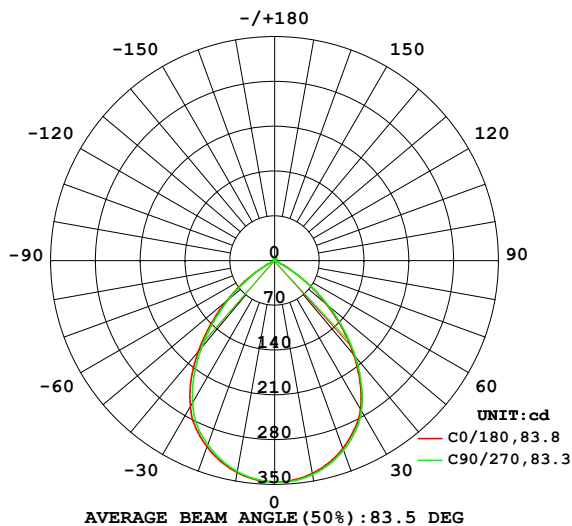


LUMINAIRE PHOTOMETRIC TEST REPORT

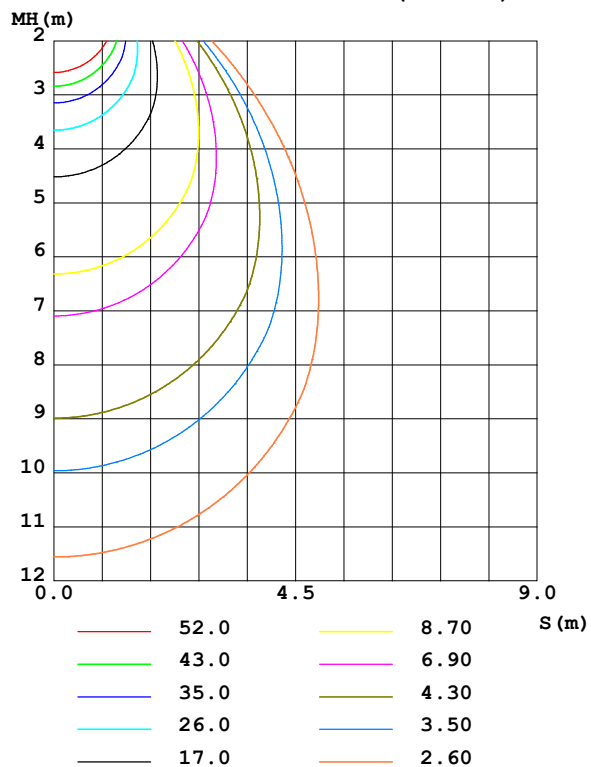
Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.66 lm/W			
MODEL		I _{max} (cd)	346.4	S/MH(C0/180)	1.15
NOMINAL POWER(W)	9.5	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	582.07	η UP,DN(C0-180)	0.8,50.9
NOMINAL FLUX(lm)	582.075	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,47.4
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	240	η down (%)	98.3	CIBSE SHR MAX	1.15

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:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	337.9	339.0	339.8	339.7	336.6	335.5	334.8	335.0	0- 10	32.62	32.62	5.6,5.6
20	312.4	314.1	315.4	315.4	309.7	307.9	306.3	306.6	10- 20	91.88	124.5	21.4,21.4
30	268.6	270.6	271.6	272.3	263.9	260.9	256.8	257.1	20- 30	133.8	258.3	44.4,44.4
40	192.7	195.7	196.7	197.7	186.1	182.2	178.0	178.0	30- 40	142.6	400.9	68.9,68.9
50	105.7	108.6	110.0	110.6	98.47	94.76	91.59	91.47	40- 50	111.3	512.1	88,88
60	28.59	29.26	24.03	31.92	23.23	20.74	18.88	18.90	50- 60	54.09	566.2	97.3,97.3
70	0.3563	0.3198	0.3106	0.3578	0.1496	0.1499	0.1687	0.1784	60- 70	5.925	572.2	98.3,98.3
80	0.0749	0.0563	0.0473	0.0659	0.0187	0.0188	0.0094	0.0188	70- 80	0.1231	572.3	98.3,98.3
90	0.0281	0	0.0094	0.0188	0.0468	0.0378	0.0284	0.0376	80- 90	0.0242	572.3	98.3,98.3
100	0.1589	0.1687	0.1407	0.1502	0.2340	0.2258	0.2345	0.2445	90-100	0.0988	572.4	98.3,98.3
110	0.5984	0.5808	0.5617	0.5636	0.6270	0.6384	0.6379	0.6489	100-110	0.4040	572.8	98.4,98.4
120	1.215	1.181	1.190	1.183	1.235	1.238	1.238	1.251	110-120	0.8815	573.7	98.6,98.6
130	1.945	1.941	1.930	1.925	1.956	1.952	1.942	1.964	120-130	1.400	575.1	98.8,98.8
140	2.683	2.636	2.652	2.612	2.657	2.664	2.663	2.669	130-140	1.770	576.9	99.1,99.1
150	3.347	3.311	3.309	3.288	3.349	3.349	3.347	3.355	140-150	1.870	578.7	99.4,99.4
160	4.030	3.967	3.993	3.956	4.022	4.025	4.041	4.013	150-160	1.691	580.4	99.7,99.7
170	4.526	4.521	4.509	4.520	4.574	4.587	4.567	4.568	160-170	1.209	581.6	99.9,99.9
180	4.751	4.774	4.744	4.821	4.788	4.802	4.791	4.793	170-180	0.4443	582.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 462.51 lm

%lum = 79.5%

%lamp = 79.5%

Conical surface Flux(120deg): 566.23 lm

%lum = 97.3%

%lamp = 97.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz

Lamp Flux:582.075x1 lm

NAME: R731 B3K

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.: 1

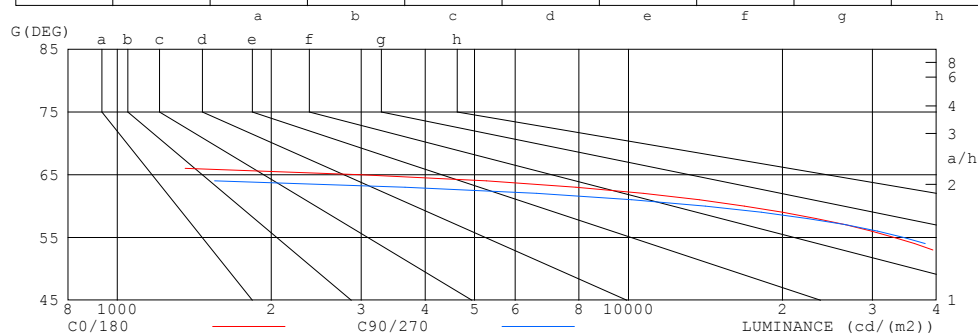
MFR.:

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



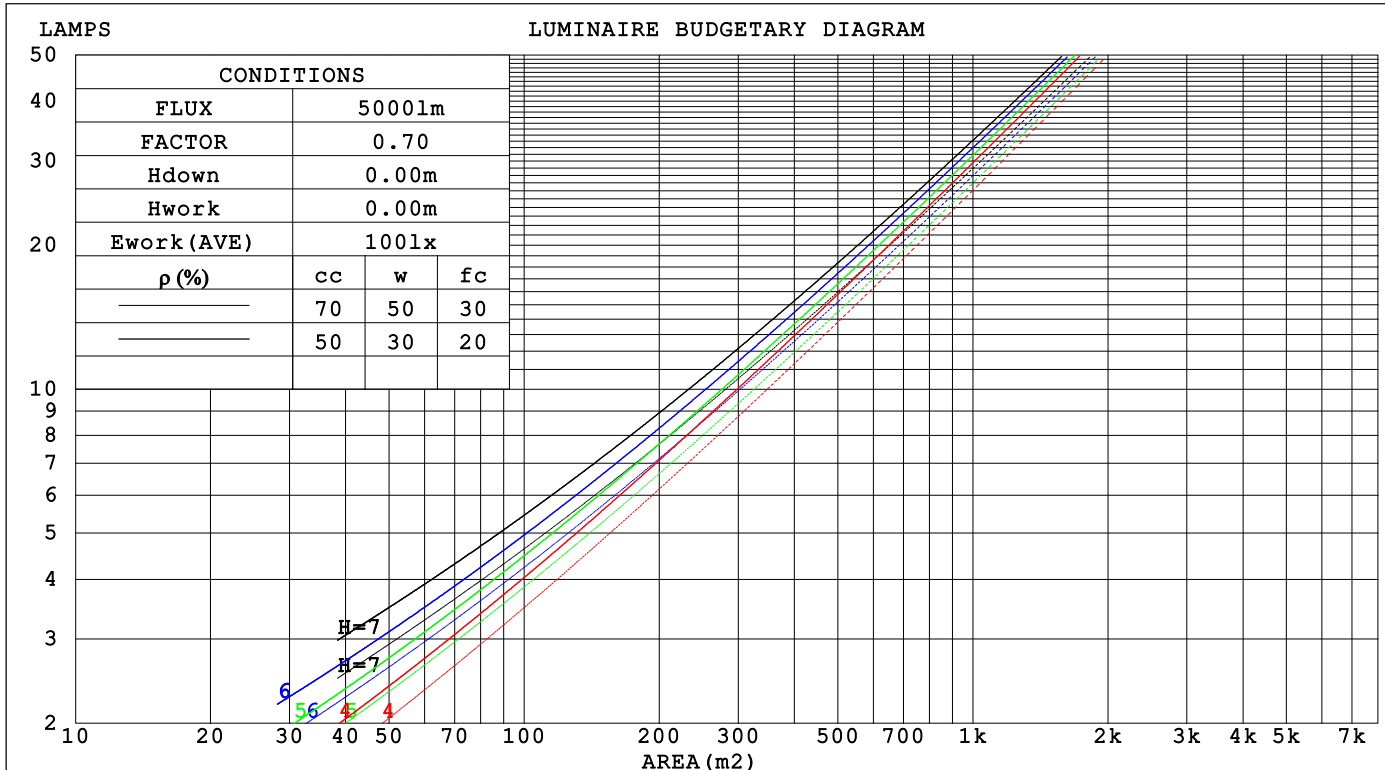
LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	95	63
80	127	80
75	192	181
70	307	267
65	2997	519
60	16861	14138
55	33102	34578
50	48490	50328
45	62320	63952

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.09	1.06	1.03	1.06	1.04	1.01	1.02	.00	.98	.98	.96	.94	.94	.93	.91	.89
2.0	.99	.94	.90	.97	.92	.89	.93	.90	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.90	.84	.79	.88	.83	.78	.85	.80	.77	.82	.78	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.80	.74	.69	.78	.73	.68	.76	.71	.67	.73	.70	.66	.64
5.0	.75	.68	.62	.74	.67	.62	.71	.66	.61	.70	.64	.60	.68	.63	.60	.58
6.0	.69	.61	.56	.68	.61	.56	.66	.60	.55	.64	.59	.55	.62	.58	.54	.52
7.0	.63	.56	.51	.62	.55	.50	.61	.54	.50	.59	.54	.50	.58	.53	.49	.47
8.0	.58	.51	.46	.57	.51	.46	.56	.50	.45	.55	.49	.45	.54	.49	.45	.43
9.0	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.45	.41	.50	.45	.41	.40
10.0	.50	.43	.39	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.36



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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

```

WEC AND CCEC

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	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	.212	.121	.038	.205	.117	.037	.191	.110	.035	.179	.103	.033	.167	.097	.031		
2.0	.208	.114	.035	.202	.111	.034	.190	.106	.033	.179	.101	.031	.169	.096	.030		
3.0	.201	.107	.032	.195	.104	.031	.185	.100	.030	.175	.096	.029	.166	.092	.028		
4.0	.192	.100	.029	.187	.098	.029	.178	.094	.028	.169	.091	.027	.161	.088	.027		
5.0	.182	.093	.027	.178	.091	.027	.170	.089	.026	.163	.086	.026	.156	.083	.025		
6.0	.174	.087	.025	.170	.086	.025	.162	.083	.024	.156	.081	.024	.149	.079	.023		
7.0	.165	.082	.023	.162	.080	.023	.155	.078	.023	.149	.076	.022	.143	.074	.022		
8.0	.157	.077	.022	.154	.076	.021	.148	.074	.021	.142	.072	.021	.137	.070	.021		
9.0	.149	.072	.020	.147	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019		
10.0	.142	.068	.019	.140	.068	.019	.135	.066	.019	.130	.065	.018	.126	.063	.018		

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	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022		
1.0	.186	.170	.155	.160	.146	.133	.109	.100	.092	.063	.058	.054	.020	.019	.017		
2.0	.174	.145	.121	.149	.125	.105	.102	.087	.073	.059	.050	.043	.019	.016	.014		
3.0	.164	.127	.097	.141	.109	.084	.097	.076	.059	.056	.044	.035	.018	.014	.011		
4.0	.156	.113	.080	.134	.097	.069	.092	.068	.049	.053	.040	.029	.017	.013	.010		
5.0	.148	.102	.067	.127	.088	.059	.088	.062	.041	.051	.036	.025	.016	.012	.008		
6.0	.142	.093	.058	.122	.081	.051	.084	.056	.036	.049	.033	.021	.016	.011	.007		
7.0	.136	.086	.051	.117	.075	.044	.081	.052	.032	.047	.031	.019	.015	.010	.006		
8.0	.130	.080	.046	.112	.069	.040	.078	.049	.028	.045	.029	.017	.015	.009	.006		
9.0	.125	.075	.041	.108	.065	.036	.075	.046	.026	.044	.027	.015	.014	.009	.005		
10.0	.120	.071	.038	.104	.062	.033	.072	.043	.024	.042	.026	.014	.014	.008	.005		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm											
NAME: R731 B3K					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.: 1			
MFR.:					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	24.4	25.6	24.6	25.8	26.0	24.4	25.6	24.6	25.8	26.0	
3H	24.2	25.3	24.5	25.5	25.7	24.2	25.2	24.5	25.5	25.7	
4H	24.1	25.1	24.4	25.4	25.6	24.1	25.1	24.4	25.3	25.6	
6H	24.0	24.9	24.3	25.2	25.5	24.0	24.9	24.3	25.2	25.5	
8H	23.9	24.8	24.3	25.1	25.4	23.9	24.8	24.3	25.1	25.4	
12H	23.9	24.8	24.2	25.1	25.4	23.9	24.7	24.2	25.0	25.4	
4H 2H	24.2	25.2	24.5	25.5	25.8	24.2	25.2	24.5	25.5	25.8	
3H	24.0	24.9	24.4	25.2	25.5	24.0	24.9	24.4	25.2	25.5	
4H	23.9	24.7	24.3	25.0	25.4	23.9	24.7	24.3	25.0	25.4	
6H	23.8	24.5	24.2	24.9	25.3	23.8	24.5	24.2	24.9	25.3	
8H	23.8	24.4	24.2	24.8	25.2	23.8	24.4	24.2	24.8	25.2	
12H	23.7	24.3	24.2	24.7	25.1	23.7	24.3	24.2	24.7	25.1	
8H 4H	23.8	24.4	24.2	24.8	25.2	23.8	24.4	24.2	24.8	25.2	
6H	23.7	24.2	24.2	24.6	25.1	23.7	24.2	24.1	24.6	25.1	
8H	23.6	24.1	24.1	24.5	25.0	23.6	24.1	24.1	24.5	25.0	
12H	23.6	24.0	24.1	24.4	25.0	23.6	24.0	24.1	24.4	24.9	
12H 4H	23.7	24.3	24.2	24.7	25.1	23.7	24.3	24.2	24.7	25.1	
6H	23.6	24.1	24.1	24.5	25.0	23.6	24.1	24.1	24.5	25.0	
8H	23.6	24.0	24.1	24.4	25.0	23.6	24.0	24.1	24.4	24.9	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.7 / - 3.2					+ 1.7 / - 3.1					
1.5H	+ 0.8 / - 1.5					+ 0.8 / - 1.5					
2.0H	+ 3.4 / -10.0					+ 3.6 / -14.9					

CIE Pub.117, 582.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.9)
Area: 0.0034005 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

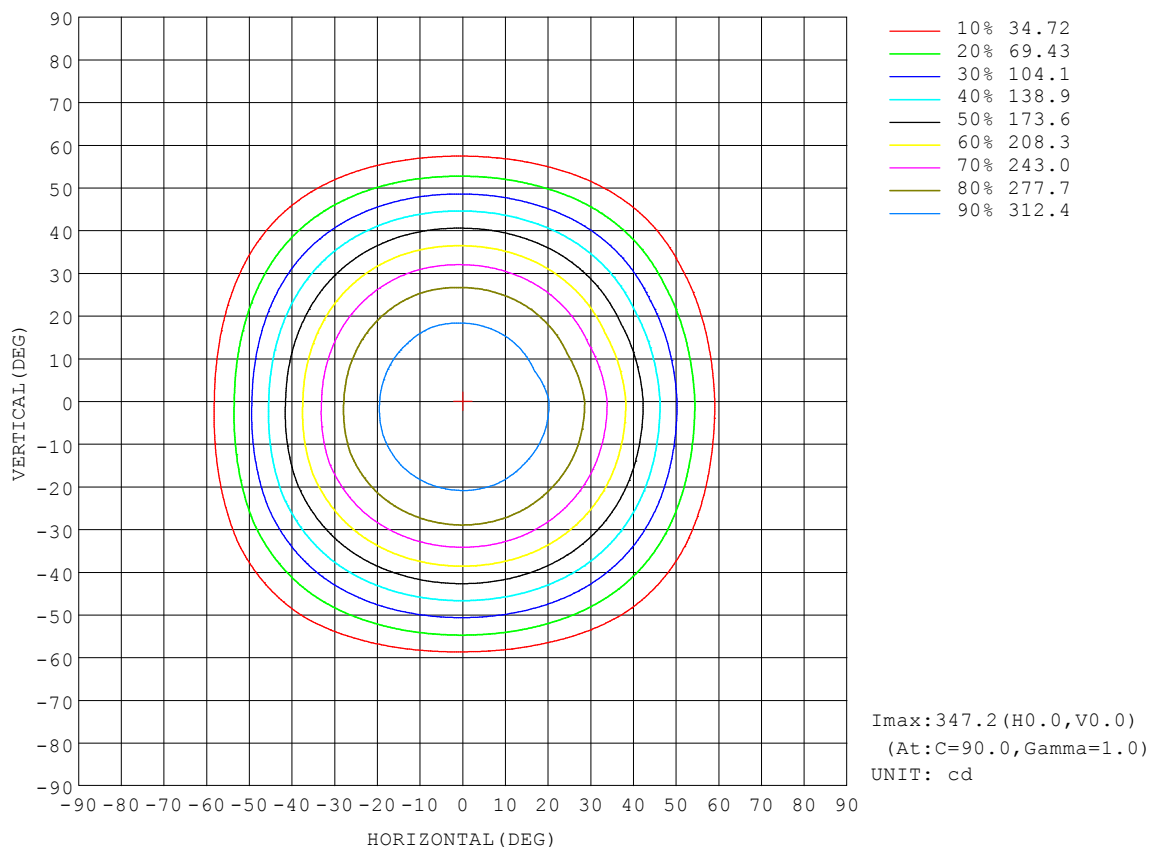
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	57	71	62	57	69	61	56	51
0.80	81	73	67	80	72	67	79	71	66	61
1.00	89	81	76	88	81	76	86	81	75	70
1.25	95	88	83	94	87	82	91	86	82	76
1.50	99	92	88	97	91	87	95	90	86	80
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	99	96	101	97	94	87
3.00	108	104	100	106	102	99	102	99	96	89
4.00	111	107	104	108	105	102	104	102	99	91
5.00	112	109	106	110	107	104	105	103	101	92
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: 2022-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

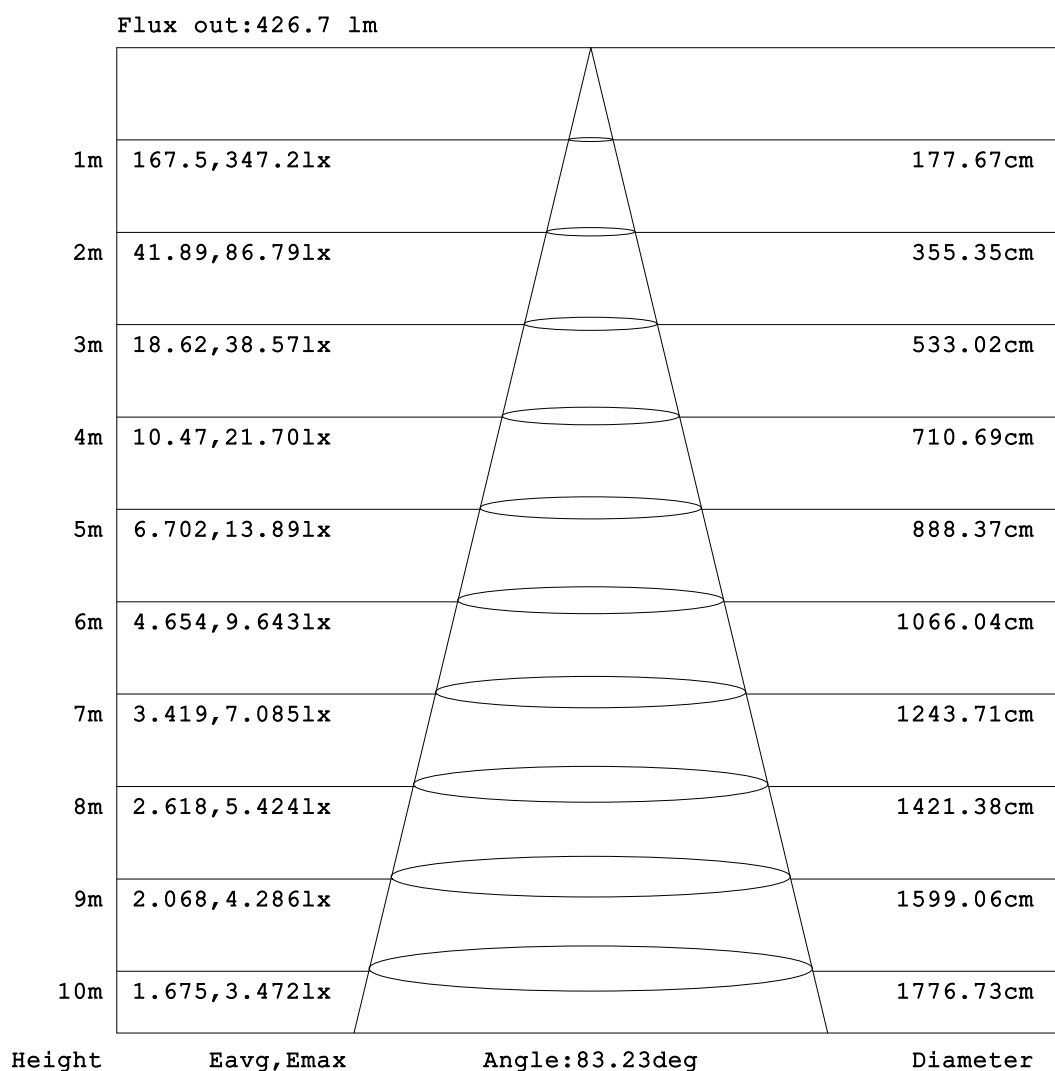


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



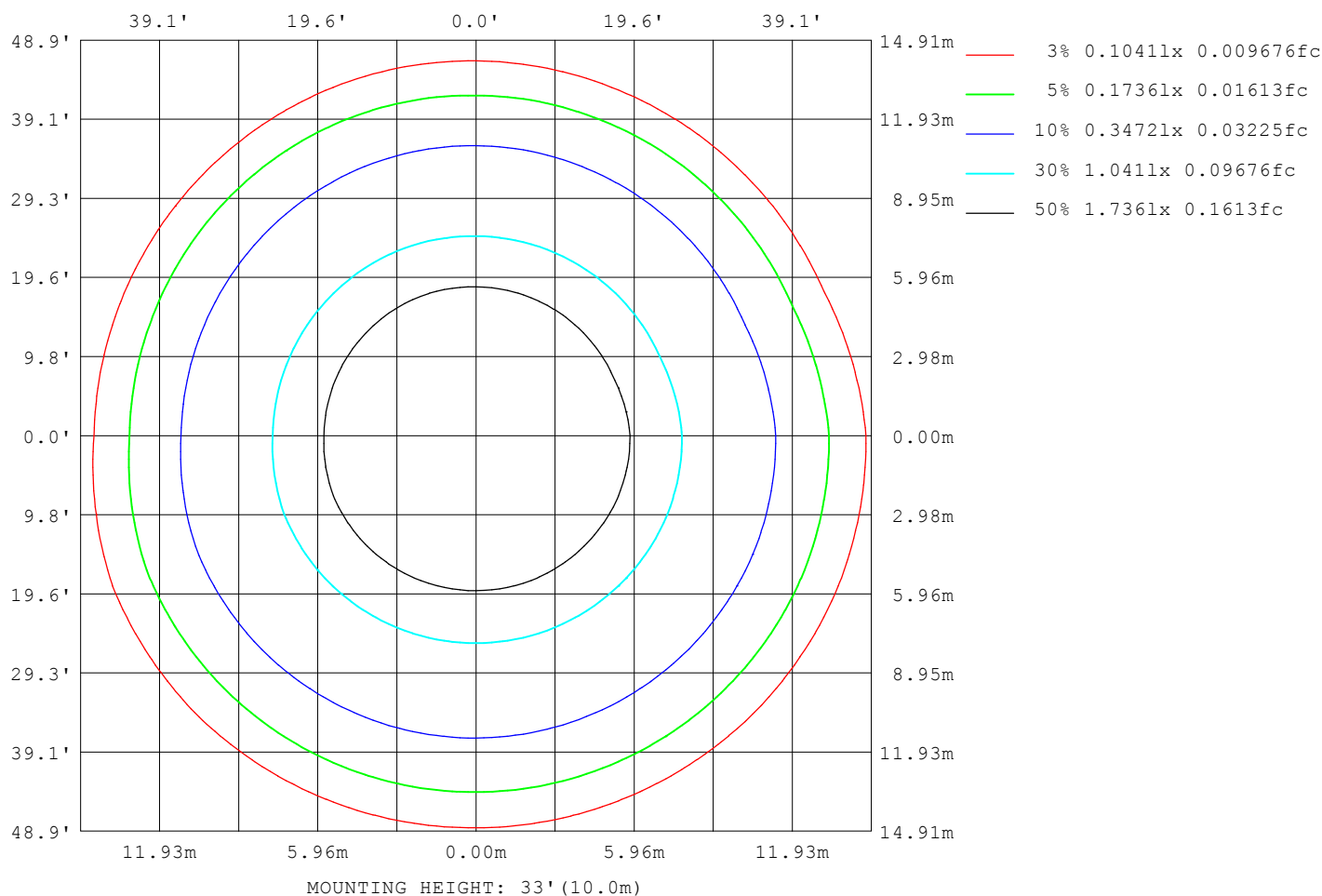
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

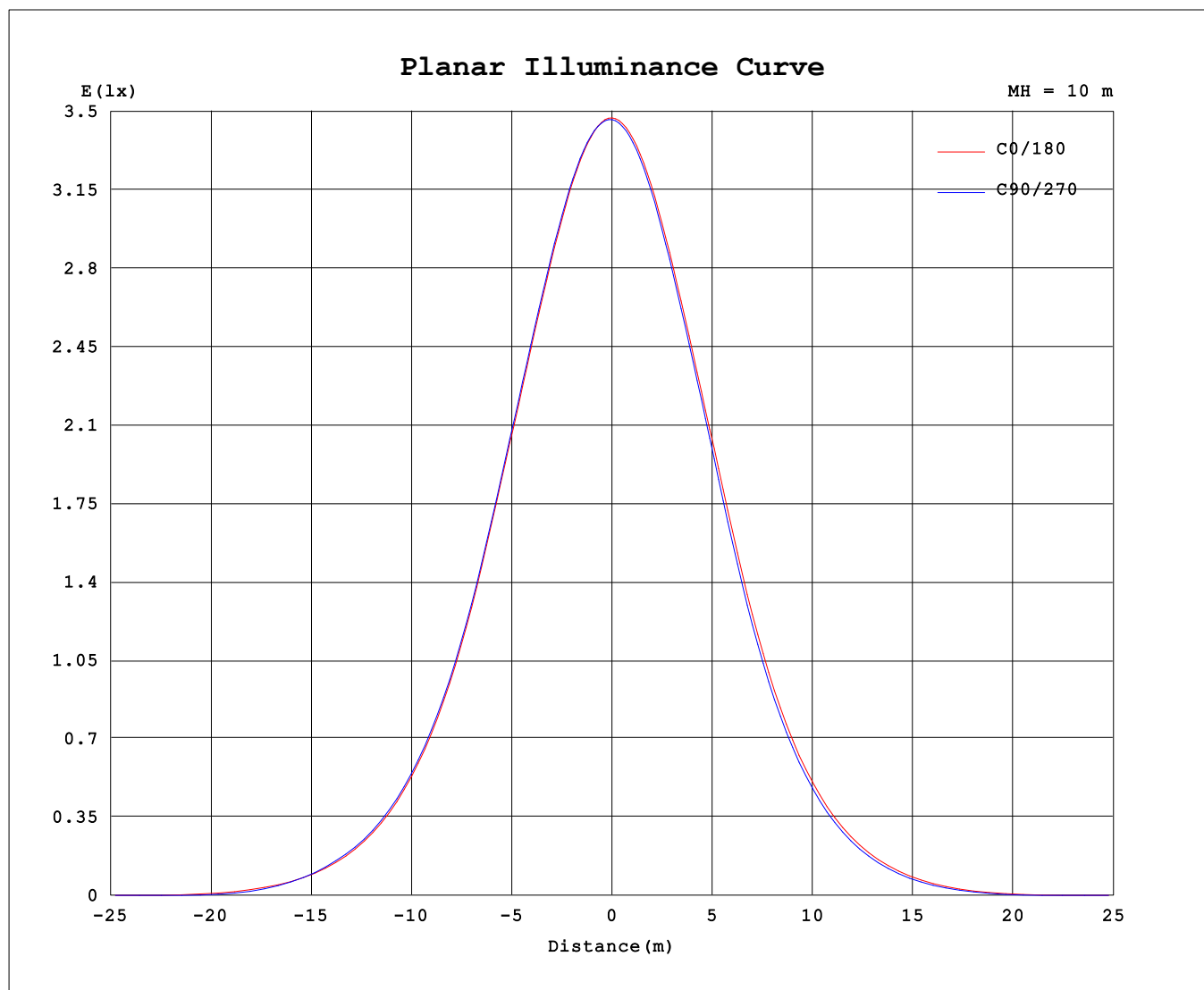
AvgL	cd/m2
L_0~180 (65) av	2172
L_0~180 (75) av	112
L_0~180 (85) av	63
L_90~270 (65) av	506
L_90~270 (75) av	106
L_90~270 (85) av	47
L_45 (65) av	2003
L_45 (75) av	112
L_45 (85) av	48

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [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: 2022-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:239.29V I:0.0435A P:9.7559W PF:0.9364 Freq:49.99Hz Lamp Flux:582.075x1 lm		
NAME: R731 B3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	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	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346			
5	344	345	345	345	345	345	345	345	343	343	343	343	343	343	343	343			
10	338	339	339	339	340	340	340	339	337	336	336	335	335	335	335	336			
15	327	328	329	329	330	330	330	329	325	324	324	323	323	322	323	324			
20	312	314	314	315	315	316	315	315	310	309	308	307	306	306	307	308			
25	293	295	295	296	297	297	297	296	290	289	288	287	286	286	286	288			
30	269	271	271	271	272	272	272	272	264	262	261	259	257	256	257	259			
35	233	236	236	236	237	237	238	237	228	226	224	222	220	219	220	222			
40	193	195	196	196	197	197	198	197	186	184	182	180	178	177	178	180			
45	149	152	152	153	154	154	154	154	142	140	138	137	135	134	135	137			
50	106	108	109	109	110	110	111	110	98.5	96.2	94.8	93.2	91.6	90.7	91.5	93.7			
55	64.4	66.5	66.8	66.8	67.4	68.0	68.7	67.6	57.5	55.5	54.2	52.9	51.6	50.9	51.6	53.5			
60	28.6	30.2	29.3	25.0	24.0	27.5	31.9	31.1	23.2	21.7	20.7	19.7	18.9	18.3	18.9	20.3			
65	4.30	5.08	3.56	0.59	0.75	1.85	5.83	5.42	1.95	1.53	1.30	0.79	0.71	0.69	0.82	1.11			
70	0.36	0.27	0.32	0.21	0.31	0.22	0.36	0.24	0.15	0.26	0.15	0.29	0.17	0.28	0.18	0.30			
75	0.17	0.06	0.14	0.03	0.16	0.05	0.17	0.06	0.03	0.14	0.03	0.16	0.03	0.15	0.06	0.16			
80	0.07	0.01	0.06	0.01	0.05	0.00	0.07	0.01	0.02	0.07	0.02	0.07	0.01	0.06	0.02	0.08			
85	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.02	0.02	0.03			
90	0.03	0.05	0.00	0.03	0.01	0.03	0.02	0.04	0.05	0.01	0.04	0.03	0.03	0.02	0.04	0.02			
95	0.03	0.14	0.02	0.13	0.02	0.12	0.02	0.11	0.12	0.03	0.11	0.03	0.10	0.02	0.12	0.02			
100	0.16	0.26	0.17	0.25	0.14	0.24	0.15	0.25	0.23	0.14	0.23	0.15	0.23	0.13	0.24	0.14			
105	0.35	0.44	0.34	0.42	0.33	0.42	0.32	0.41	0.41	0.32	0.40	0.31	0.40	0.32	0.42	0.32			
110	0.60	0.68	0.58	0.66	0.56	0.64	0.56	0.65	0.63	0.58	0.64	0.56	0.64	0.56	0.65	0.57			
115	0.89	0.96	0.89	0.95	0.85	0.91	0.82	0.94	0.91	0.82	0.92	0.80	0.92	0.82	0.93	0.84			
120	1.22	1.30	1.18	1.28	1.19	1.24	1.18	1.27	1.23	1.16	1.24	1.12	1.24	1.15	1.25	1.17			
125	1.57	1.65	1.55	1.63	1.52	1.61	1.52	1.63	1.58	1.49	1.59	1.49	1.58	1.50	1.61	1.52			
130	1.94	2.03	1.94	1.99	1.93	1.98	1.93	2.01	1.96	1.89	1.95	1.85	1.94	1.86	1.96	1.87			
135	2.32	2.40	2.29	2.39	2.26	2.35	2.26	2.37	2.32	2.22	2.31	2.22	2.32	2.22	2.33	2.26			
140	2.68	2.75	2.64	2.73	2.65	2.70	2.61	2.73	2.66	2.57	2.66	2.55	2.66	2.57	2.67	2.56			
145	3.01	3.08	2.99	3.09	2.98	3.05	2.95	3.06	3.01	2.90	3.01	2.90	3.02	2.90	3.00	2.90			
150	3.35	3.40	3.31	3.41	3.31	3.39	3.29	3.40	3.35	3.25	3.35	3.25	3.35	3.27	3.36	3.23			
155	3.68	3.77	3.67	3.77	3.67	3.74	3.64	3.76	3.69	3.59	3.70	3.60	3.71	3.59	3.67	3.60			
160	4.03	4.09	3.97	4.09	3.99	4.07	3.96	4.08	4.02	3.93	4.03	3.93	4.04	3.92	4.01	3.91			
165	4.29	4.39	4.27	4.39	4.27	4.35	4.27	4.38	4.34	4.23	4.32	4.24	4.35	4.24	4.30	4.20			
170	4.53	4.61	4.52	4.60	4.51	4.60	4.52	4.62	4.57	4.48	4.59	4.47	4.57	4.50	4.57	4.48			
175	4.68	4.77	4.68	4.77	4.66	4.78	4.69	4.79	4.74	4.66	4.75	4.63	4.73	4.65	4.73	4.63			
180	4.75	4.79	4.77	4.79	4.74	4.80	4.82	4.79	4.79	4.74	4.80	4.73	4.79	4.72	4.79	4.71			

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