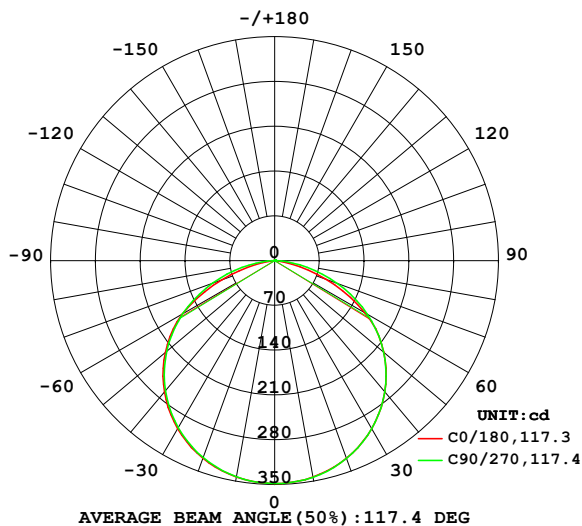


LUMINAIRE PHOTOMETRIC TEST REPORT

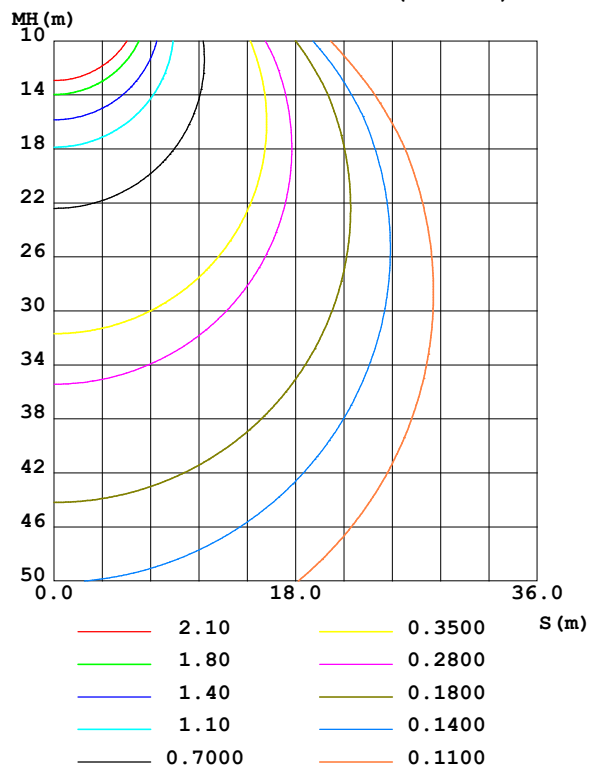
Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 206.65 lm/W
MODEL	4000K RA80	I _{max} (cd)	348.4	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	4.5	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1045.4	η UP,DN(C0-180)	0.2,50.0	
NOMINAL FLUX(lm)	11.6154	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,49.7	
LAMPS INSIDE	90	η up(%)	0.3	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down(%)	99.7	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [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	343.6	343.8	343.8	343.8	343.5	343.3	343.1	343.2	0- 10	33.02	33.02	3.16,3.16
20	328.7	328.9	328.9	328.9	328.5	328.0	327.4	327.8	10- 20	95.24	128.3	12.3,12.3
30	303.5	303.6	303.5	303.8	303.3	302.5	301.5	302.2	20- 30	146.1	274.4	26.2,26.2
40	268.1	268.0	267.9	268.6	268.1	267.2	265.6	266.5	30- 40	179.3	453.7	43.4,43.4
50	222.7	222.4	222.5	223.5	223.2	222.1	220.3	221.0	40- 50	189.7	643.4	61.5,61.5
60	163.1	167.0	167.3	168.7	166.4	167.9	165.9	166.2	50- 60	174.9	818.3	78.3,78.3
70	85.51	103.4	104.2	105.8	88.29	105.6	103.6	103.2	60- 70	133.6	951.8	91.1,91.1
80	16.13	39.16	40.25	41.78	18.82	42.08	40.62	39.57	70- 80	73.08	1025	98,98
90	0.1588	1.255	1.444	1.631	0.1823	2.019	1.798	1.463	80- 90	16.84	1042	99.7,99.7
100	0.2341	0.2330	0.2713	0.2375	0.2760	0.2750	0.2892	0.2746	90-100	0.5071	1042	99.7,99.7
110	0.3668	0.3506	0.3364	0.3561	0.4009	0.3954	0.3840	0.3881	100-110	0.3289	1043	99.7,99.7
120	0.5099	0.4815	0.4731	0.4881	0.5336	0.5185	0.5049	0.5121	110-120	0.4318	1043	99.8,99.8
130	0.6401	0.6124	0.6046	0.6200	0.6638	0.6494	0.6338	0.6388	120-130	0.5075	1044	99.8,99.8
140	0.7624	0.7276	0.7360	0.7467	0.7861	0.7698	0.7547	0.7523	130-140	0.5360	1044	99.9,99.9
150	0.8639	0.8351	0.8439	0.8497	0.8901	0.8797	0.8704	0.8683	140-150	0.5080	1045	99.9,99.9
160	0.9498	0.9371	0.9517	0.9447	0.9734	0.9739	0.9782	0.9555	150-160	0.4196	1045	100,100
170	1.018	1.024	1.046	1.024	1.046	1.047	1.068	1.042	160-170	0.2823	1045	100,100
180	1.064	1.071	1.094	1.066	1.070	1.073	1.099	1.079	170-180	0.1007	1045	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 567.84 lm

%lum = 54.3%

%lamp = 54.3%

Conical surface Flux(120deg): 818.26 lm

%lum = 78.3%

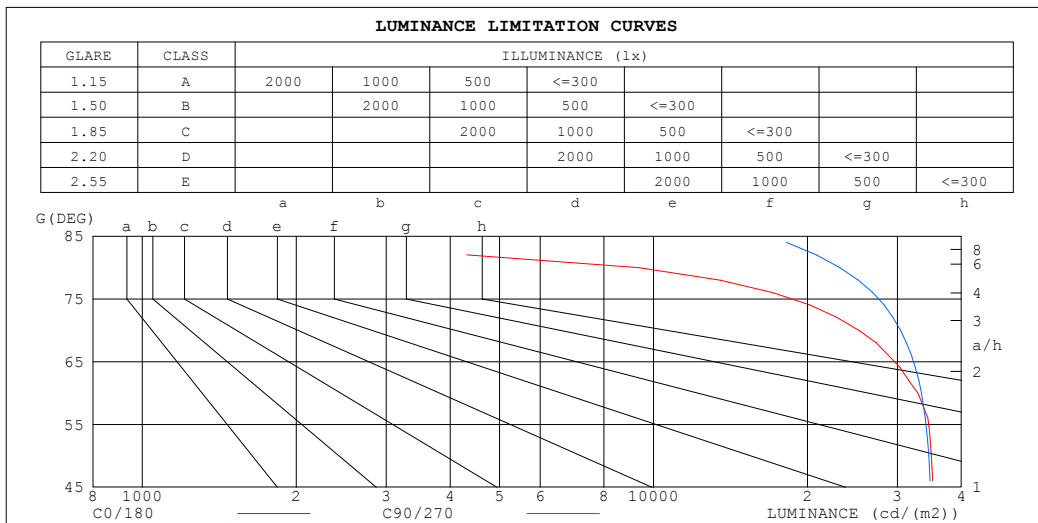
%lamp = 78.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity:65.0%
 Test Distance:6.040m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	336	21825
80	9369	23139
75	21576	30117
70	25217	30419
65	31503	33757
60	32900	33411
55	35491	35074
50	34938	34553
45	35809	35414

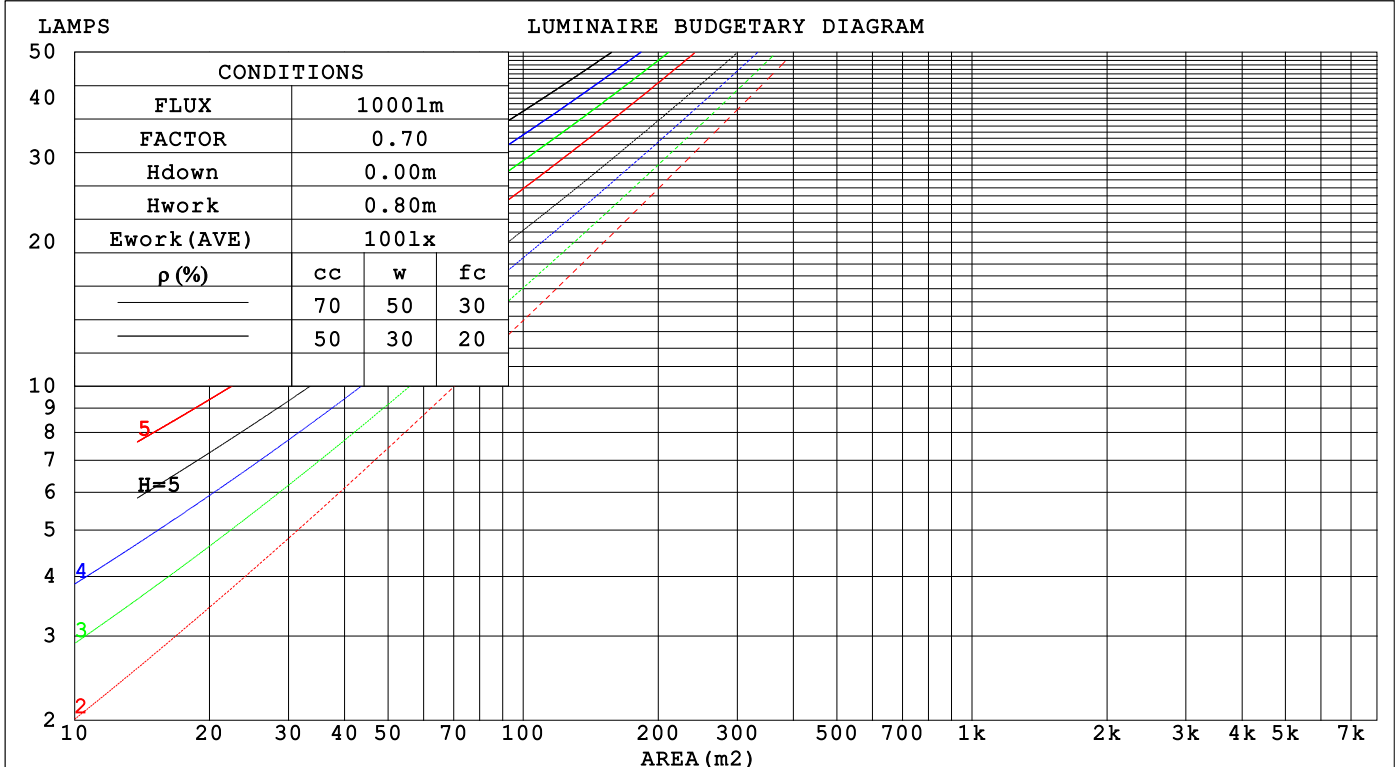
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.30	.25	.23



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.276	.159	.051	.265	.154	.050		
2.0	.293	.160	.049	.286	.158	.049	.274	.153	.047	.264	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.183	.159	.137	.157	.136	.118	.107	.094	.082	.062	.054	.047	.020	.017	.015		
2.0	.175	.135	.101	.150	.116	.087	.103	.080	.061	.059	.047	.036	.019	.015	.012		
3.0	.167	.117	.077	.144	.101	.067	.099	.070	.047	.057	.041	.028	.018	.013	.009		
4.0	.160	.104	.061	.137	.090	.053	.094	.062	.037	.055	.037	.022	.018	.012	.007		
5.0	.153	.093	.050	.131	.081	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006		
6.0	.145	.085	.042	.125	.074	.036	.086	.052	.026	.050	.030	.015	.016	.010	.005		
7.0	.139	.078	.036	.119	.068	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004		
8.0	.132	.072	.031	.114	.063	.027	.079	.044	.019	.046	.026	.012	.015	.009	.004		
9.0	.126	.067	.028	.109	.059	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003		
10.0	.120	.063	.025	.104	.055	.022	.072	.039	.016	.042	.023	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm											
NAME: 2835-90D-IP20					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: 0.010*1			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	25.1	26.6	25.4	26.9	27.1	25.1	26.6	25.4	26.8	27.1	
	3H	26.5	27.9	26.8	28.1	28.4	26.6	28.1	27.0	28.3	28.5
	4H	26.9	28.2	27.2	28.5	28.7	27.2	28.6	27.6	28.8	29.1
	6H	27.0	28.3	27.3	28.5	28.8	27.6	28.9	27.9	29.1	29.4
	8H	27.0	28.2	27.3	28.5	28.8	27.7	28.9	28.0	29.2	29.5
	12H	26.9	28.1	27.3	28.4	28.7	27.7	28.9	28.1	29.2	29.5
4H 2H	25.7	27.1	26.1	27.3	27.6	25.7	27.1	26.1	27.3	27.6	
	3H	27.3	28.5	27.7	28.8	29.1	27.4	28.6	27.8	28.9	29.2
	4H	27.9	29.0	28.3	29.3	29.6	28.2	29.2	28.5	29.6	29.9
	6H	28.1	29.1	28.6	29.5	29.8	28.6	29.6	29.0	29.9	30.3
	8H	28.2	29.0	28.6	29.4	29.8	28.8	29.7	29.2	30.0	30.4
	12H	28.1	28.9	28.6	29.3	29.7	28.8	29.6	29.3	30.0	30.4
8H 4H	28.2	29.0	28.6	29.4	29.8	28.4	29.3	28.8	29.7	30.0	
	6H	28.6	29.3	29.0	29.7	30.2	29.0	29.7	29.5	30.2	30.6
	8H	28.7	29.3	29.1	29.8	30.2	29.2	29.9	29.7	30.3	30.7
	12H	28.7	29.2	29.2	29.7	30.2	29.3	29.9	29.8	30.3	30.8
12H 4H	28.2	29.0	28.6	29.4	29.8	28.4	29.2	28.8	29.6	30.0	
	6H	28.6	29.3	29.1	29.7	30.2	29.0	29.7	29.5	30.1	30.6
	8H	28.8	29.3	29.2	29.8	30.3	29.3	29.8	29.7	30.3	30.8
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3					

CIE Pub.117, 1045 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.2)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

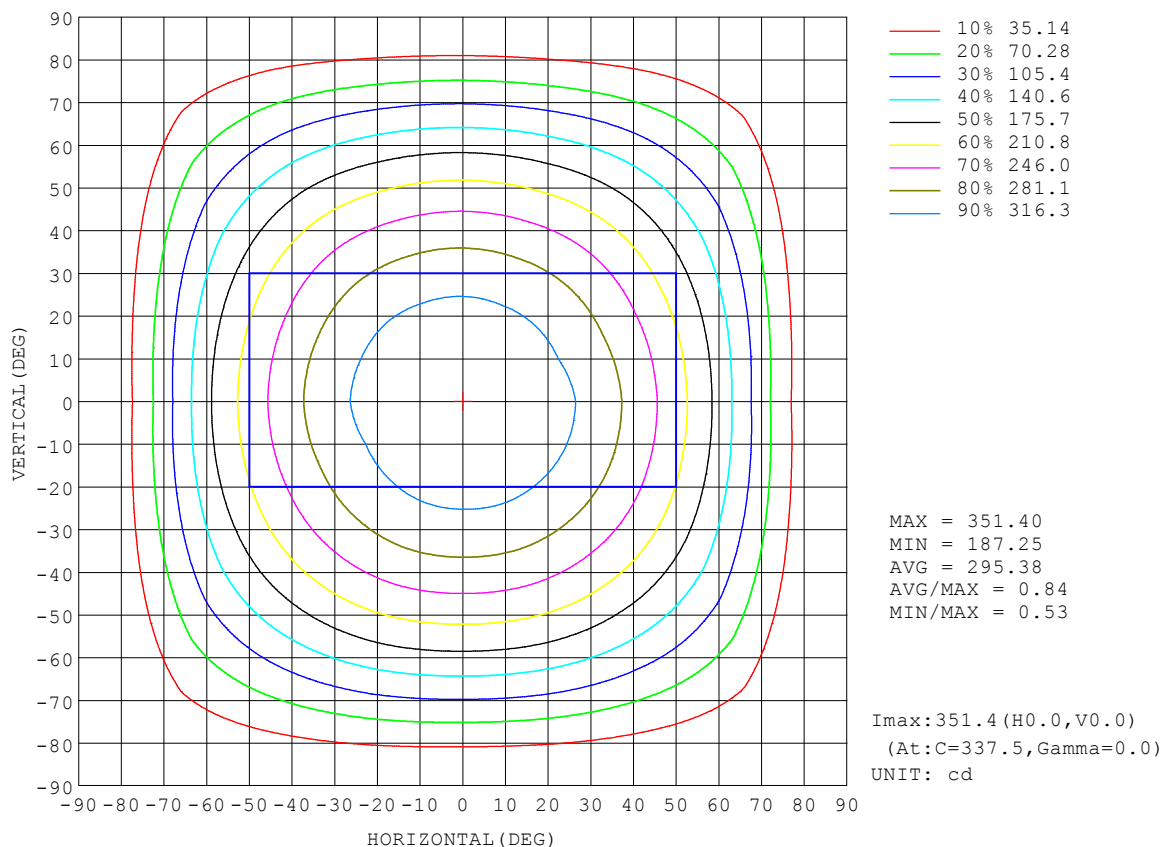
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

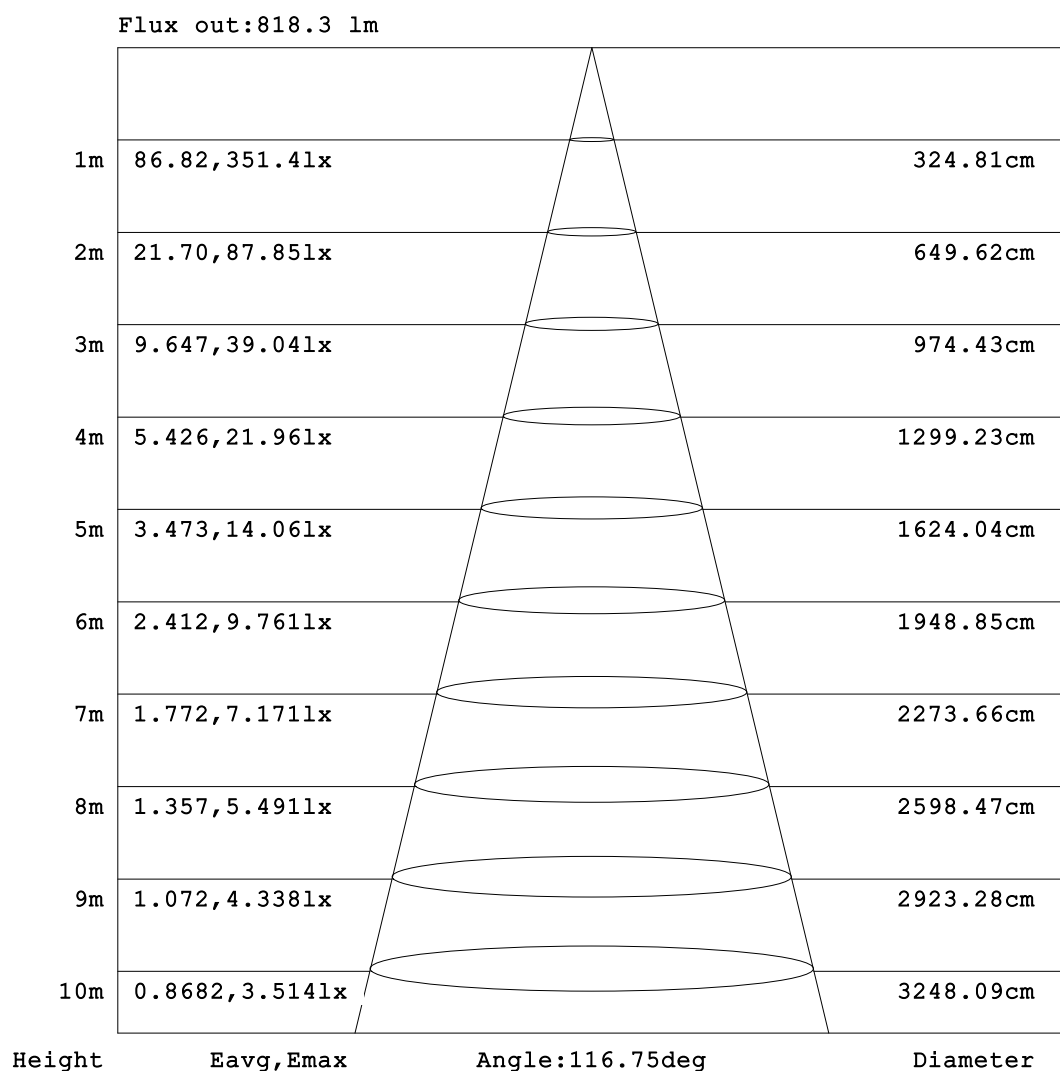


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



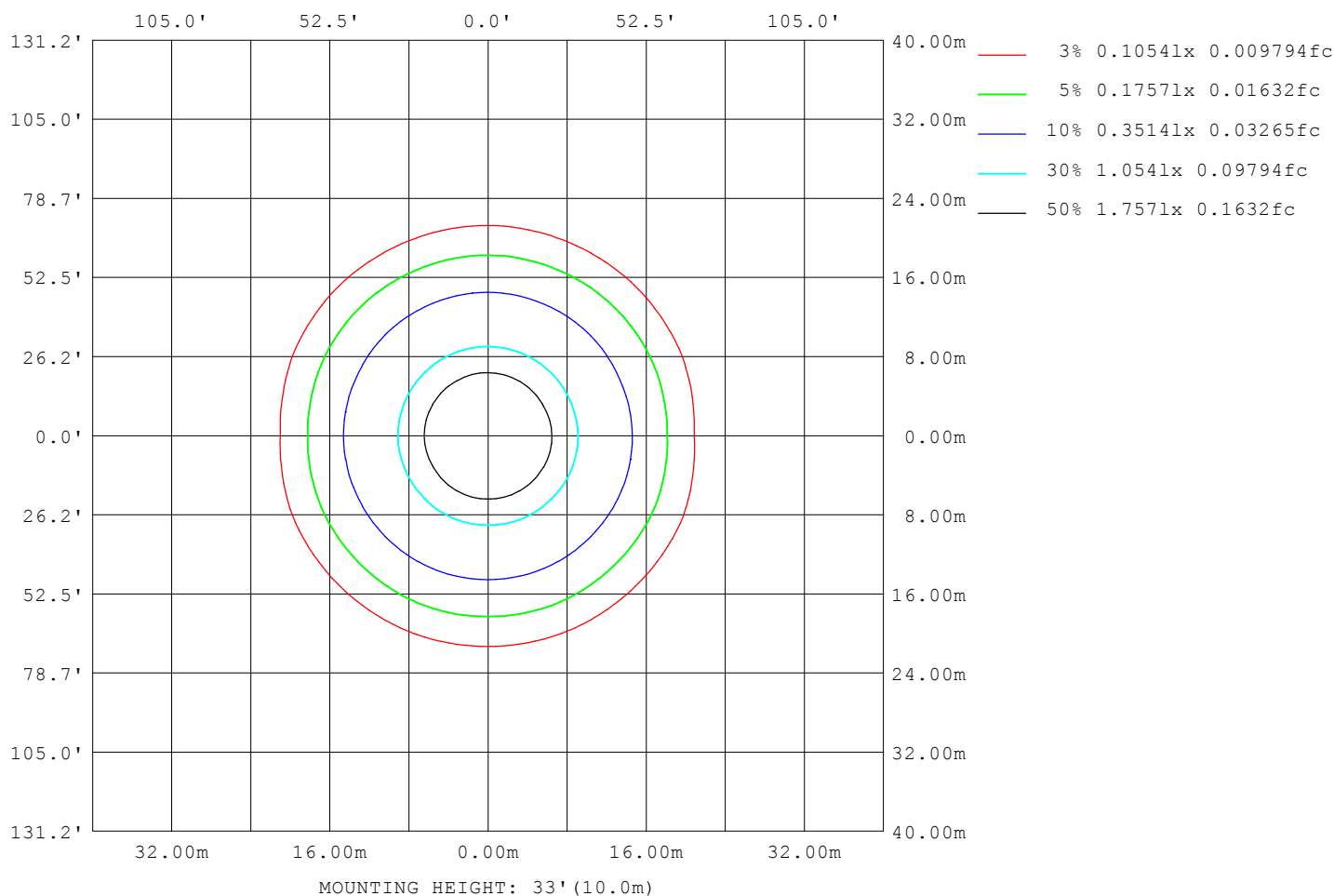
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm		
NAME: 2835-90D-IP20	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

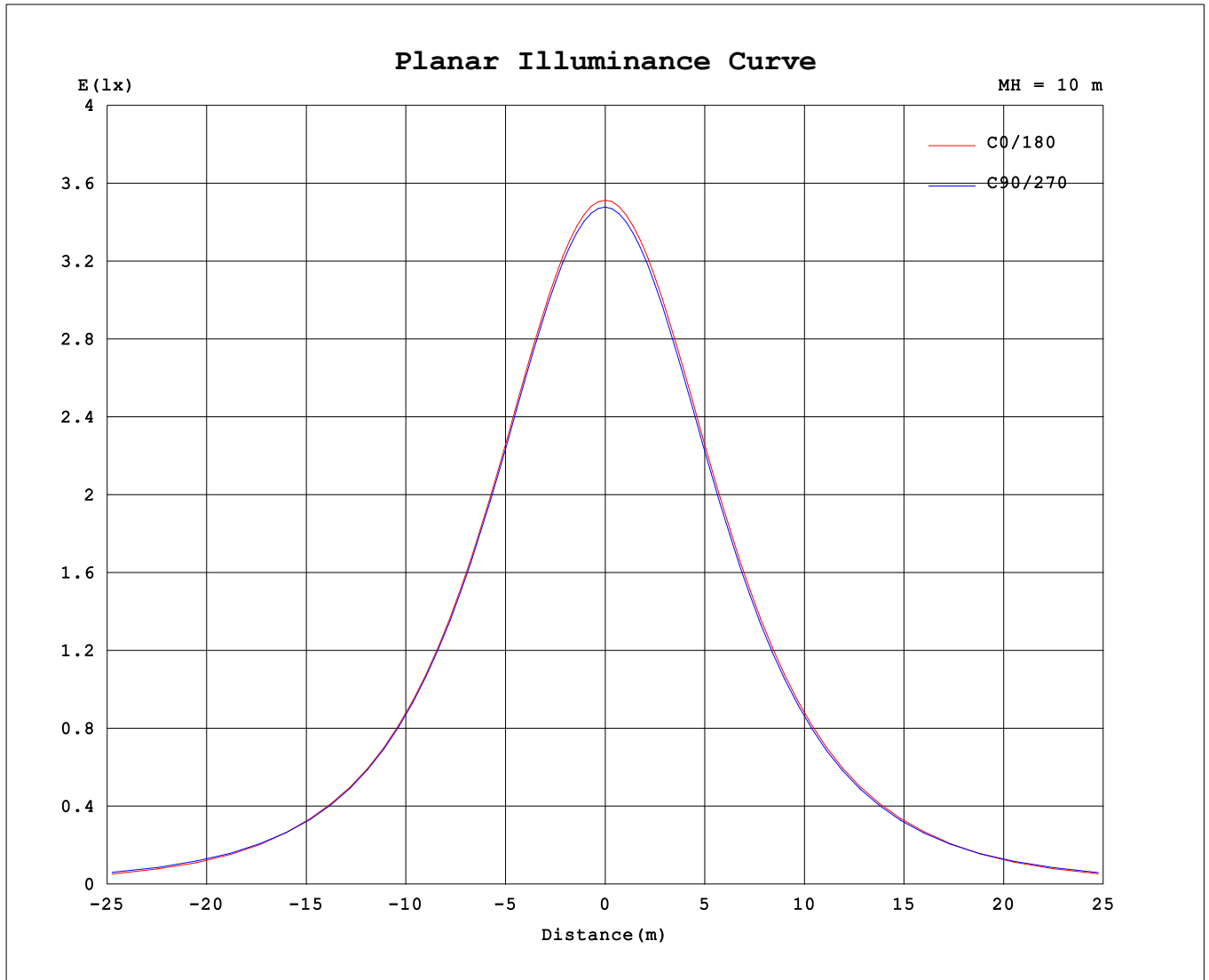
AvgL	cd/m2
L_0~180 (65) av	29785
L_0~180 (75) av	19158
L_0~180 (85) av	0
L_90~270 (65) av	32179
L_90~270 (75) av	27627
L_90~270 (85) av	17220
L_45 (65) av	32362
L_45 (75) av	27769
L_45 (85) av	17338

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 6.040m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.2108A P:5.0588W PF:1.0000 Freq:49.99Hz Lamp Flux:11.6154x90 lm																	
NAME: 2835-90D-IP20									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: 0.010*1						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	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348			
5	348	348	348	348	348	348	348	348	348	348	347	347	347	347	347	348	348			
10	344	344	344	344	344	344	344	344	344	343	343	343	343	343	343	343	343			
15	339	339	339	339	339	339	339	339	339	339	338	338	338	338	338	338	339			
20	329	329	329	329	329	329	329	329	329	328	328	328	327	327	327	328	328			
25	320	320	320	320	320	321	320	320	320	320	319	319	318	318	318	319	319			
30	304	304	304	304	304	304	304	304	304	303	303	303	301	301	301	302	303			
35	291	291	291	291	291	291	291	291	291	290	290	290	288	288	288	289	290			
40	268	269	268	268	268	269	269	269	269	268	267	267	266	266	265	266	267			
45	251	252	251	251	251	252	252	252	252	251	250	250	249	249	248	249	250			
50	223	223	222	223	222	224	223	224	223	222	222	222	220	220	220	221	221			
55	202	202	201	202	202	203	203	203	202	201	202	199	200	199	200	200	200			
60	163	168	167	168	167	169	169	170	166	167	168	166	166	166	165	166	166			
65	132	144	142	143	143	145	144	145	136	143	144	142	142	142	140	142	142			
70	85.5	105	103	105	104	106	106	107	88.3	105	106	104	104	102	103	103	103			
75	55.4	78.1	77.1	78.3	78.1	79.9	79.7	80.5	58.2	79.1	79.6	78.0	77.8	76.4	77.1	76.7	76.7			
80	16.1	40.0	39.2	40.3	40.2	41.9	41.8	42.4	18.8	41.3	42.1	40.7	40.6	39.1	39.6	38.9	38.9			
85	0.29	18.7	18.1	19.1	19.1	20.4	20.4	20.8	0.61	20.0	20.7	19.7	19.6	18.4	18.6	18.0	18.0			
90	0.16	1.28	1.26	1.47	1.44	1.75	1.63	1.66	0.18	1.67	2.02	1.84	1.80	1.54	1.46	1.19	1.19			
95	0.16	0.20	0.40	0.41	0.42	0.43	0.42	0.20	0.21	0.25	0.47	0.55	0.51	0.54	0.45	0.23	0.23			
100	0.23	0.26	0.23	0.25	0.27	0.26	0.24	0.26	0.28	0.25	0.28	0.30	0.29	0.28	0.27	0.25	0.25			
105	0.29	0.31	0.27	0.29	0.26	0.29	0.28	0.31	0.33	0.30	0.32	0.29	0.31	0.28	0.32	0.30	0.30			
110	0.37	0.39	0.35	0.36	0.34	0.37	0.36	0.39	0.40	0.37	0.40	0.36	0.38	0.35	0.39	0.37	0.37			
115	0.43	0.44	0.40	0.41	0.39	0.43	0.41	0.44	0.45	0.42	0.45	0.41	0.43	0.40	0.43	0.42	0.42			
120	0.51	0.52	0.48	0.50	0.47	0.51	0.49	0.52	0.53	0.50	0.52	0.49	0.50	0.47	0.51	0.50	0.50			
125	0.56	0.57	0.53	0.55	0.53	0.56	0.54	0.58	0.59	0.55	0.57	0.54	0.55	0.53	0.56	0.55	0.55			
130	0.64	0.66	0.61	0.63	0.60	0.65	0.62	0.66	0.66	0.63	0.65	0.62	0.63	0.60	0.64	0.63	0.63			
135	0.69	0.70	0.66	0.68	0.65	0.70	0.67	0.71	0.71	0.68	0.70	0.67	0.68	0.65	0.68	0.67	0.67			
140	0.76	0.77	0.73	0.75	0.74	0.78	0.75	0.77	0.79	0.75	0.77	0.74	0.75	0.72	0.75	0.74	0.74			
145	0.81	0.81	0.78	0.80	0.78	0.82	0.79	0.82	0.83	0.79	0.82	0.79	0.80	0.77	0.80	0.78	0.78			
150	0.86	0.87	0.84	0.87	0.84	0.88	0.85	0.88	0.89	0.85	0.88	0.85	0.87	0.83	0.87	0.85	0.85			
155	0.90	0.91	0.87	0.90	0.89	0.93	0.89	0.92	0.92	0.89	0.92	0.89	0.91	0.87	0.91	0.88	0.88			
160	0.95	0.97	0.94	0.96	0.95	0.99	0.94	0.97	0.97	0.94	0.97	0.96	0.98	0.93	0.96	0.93	0.93			
165	0.98	1.00	0.97	1.01	1.00	1.02	0.98	1.01	1.00	0.98	1.01	0.99	1.02	0.97	1.00	0.97	0.97			
170	1.02	1.05	1.02	1.06	1.05	1.06	1.02	1.04	1.05	1.02	1.05	1.03	1.07	1.02	1.04	1.02	1.02			
175	1.04	1.07	1.04	1.08	1.06	1.08	1.04	1.06	1.07	1.04	1.07	1.05	1.09	1.04	1.07	1.04	1.04			
180	1.06	1.08	1.07	1.08	1.09	1.10	1.07	1.07	1.07	1.07	1.07	1.08	1.10	1.08	1.08	1.06	1.06			

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