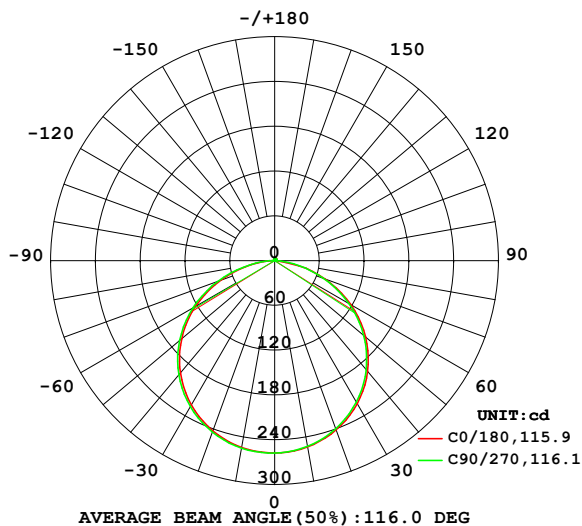


LUMINAIRE PHOTOMETRIC TEST REPORT

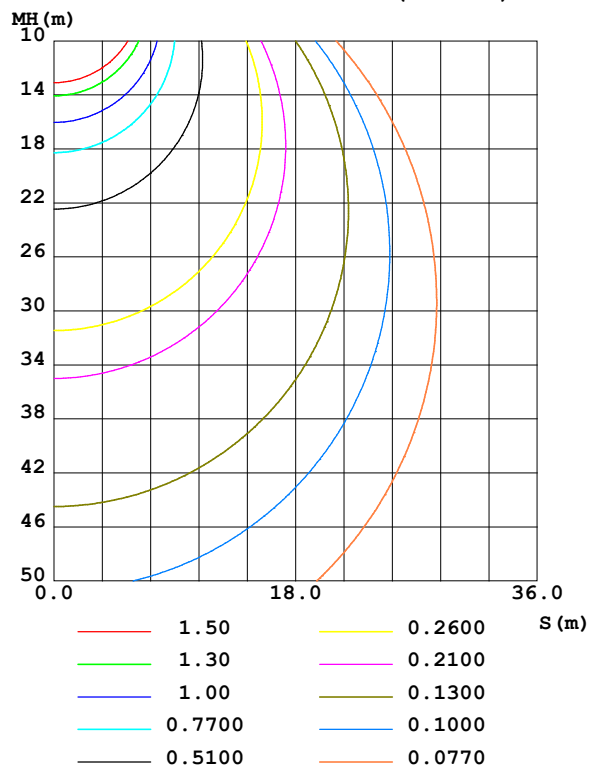
NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 190.70 lm/W
MODEL	4000K	I _{max} (cd)	257.9	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	4.5	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	773.89	□ UP,DN(C0-180)	0.7,48.2	
NOMINAL FLUX(lm)	8.59872	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.7,50.5	
LAMPS INSIDE	90	□ up (%)	1.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	□ down (%)	98.6	CIBSE SHR MAX	1.35	

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:2022-03-24

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	zone	total	%lum, lamp
10	253.5	252.7	252.6	253.3	254.2	255.0	255.0	254.4	0- 10	24.42	24.42	3.16,3.16
20	241.2	239.6	239.5	240.9	242.6	244.3	244.4	243.0	10- 20	70.27	94.69	12.2,12.2
30	221.2	219.0	218.8	220.7	223.3	225.7	225.8	223.9	20- 30	107.4	202.1	26.1,26.1
40	193.7	191.0	190.9	193.3	196.6	199.6	199.7	197.2	30- 40	131.2	333.3	43.1,43.1
50	159.1	156.0	156.0	159.0	162.7	166.4	166.4	163.2	40- 50	138.0	471.3	60.9,60.9
60	118.0	114.7	115.0	118.3	122.3	126.4	126.3	122.6	50- 60	126.4	597.7	77.2,77.2
70	72.02	69.00	69.69	72.87	76.79	81.01	80.67	76.55	60- 70	96.86	694.6	89.8,89.8
80	15.85	25.29	26.16	28.46	31.35	35.17	34.56	30.93	70- 80	54.54	749.1	96.8,96.8
90	0.2666	1.657	1.697	1.907	0.2313	4.032	4.481	2.597	80- 90	14.20	763.3	98.6,98.6
100	0.6665	0.7177	0.7530	0.6699	0.5246	0.5022	0.6485	0.5353	90-100	1.042	764.3	98.8,98.8
110	1.214	1.219	1.214	1.171	1.004	0.9161	0.9320	0.9561	100-110	0.8820	765.2	98.9,98.9
120	1.755	1.712	1.717	1.673	1.504	1.366	1.388	1.412	110-120	1.303	766.5	99,99
130	2.222	2.137	2.143	2.127	1.959	1.796	1.797	1.833	120-130	1.593	768.1	99.3,99.3
140	2.596	2.492	2.483	2.505	2.328	2.174	2.132	2.185	130-140	1.687	769.8	99.5,99.5
150	2.885	2.811	2.768	2.821	2.628	2.505	2.419	2.508	140-150	1.578	771.4	99.7,99.7
160	3.130	3.079	3.086	3.071	2.909	2.804	2.771	2.820	150-160	1.298	772.7	99.8,99.8
170	3.364	3.339	3.369	3.311	3.222	3.154	3.163	3.181	160-170	0.8758	773.6	100,100
180	3.574	3.548	3.605	3.575	3.571	3.548	3.605	3.578	170-180	0.3222	773.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 416.48 lm

%lum = 53.8%

%lamp = 53.8%

Conical surface Flux(120deg): 597.7 lm

%lum = 77.2%

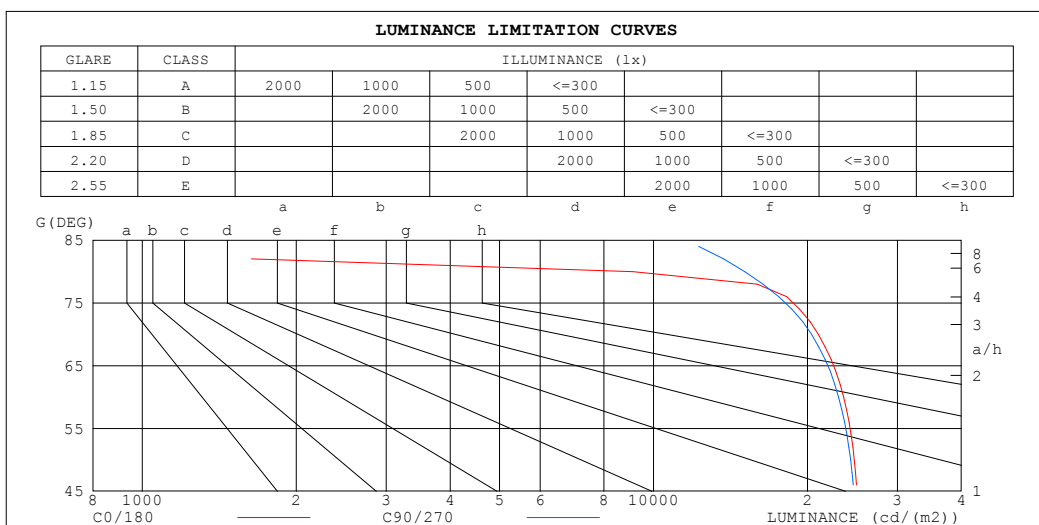
%lamp = 77.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-24

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	314	14702
80	9113	15079
75	20551	19854
70	21018	20392
65	23599	23005
60	23547	23025
55	24951	24482
50	24706	24296
45	25507	25145

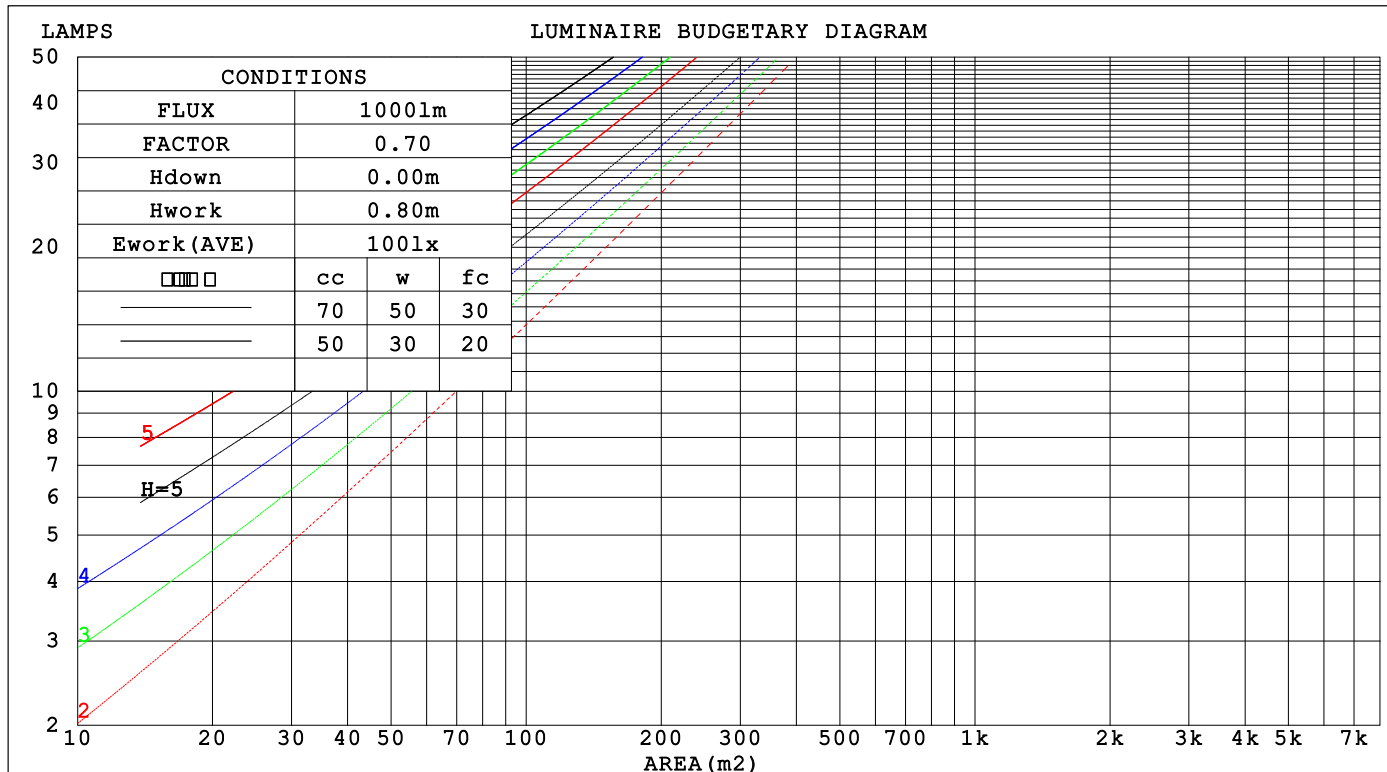
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□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	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.92	.90	.87	.89	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-24

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0	
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.311	.177	.056	.304	.173	.055	.290	.166	.053	.277	.160	.051	.265	.154	.050		
2.0	.293	.161	.049	.287	.158	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045		
3.0	.271	.144	.043	.266	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040		
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.122	.037	.218	.118	.036		
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.210	.111	.033	.202	.108	.032		
6.0	.215	.108	.031	.210	.106	.031	.203	.104	.030	.195	.101	.030	.188	.099	.029		
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.182	.093	.027	.176	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.165	.085	.025		
9.0	.175	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.151	.075	.021	.147	.074	.021		

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0	
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022		
1.0	.191	.167	.145	.163	.143	.125	.112	.098	.086	.064	.057	.050	.021	.018	.016		
2.0	.183	.142	.108	.157	.123	.094	.107	.085	.065	.062	.049	.038	.020	.016	.012		
3.0	.175	.125	.085	.150	.108	.073	.103	.075	.052	.060	.044	.030	.019	.014	.010		
4.0	.168	.112	.069	.144	.097	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008		
5.0	.160	.101	.058	.138	.088	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007		
6.0	.153	.093	.050	.132	.081	.043	.091	.056	.031	.053	.033	.018	.017	.011	.006		
7.0	.146	.086	.044	.126	.075	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005		
8.0	.140	.080	.039	.121	.070	.034	.083	.049	.024	.049	.029	.015	.016	.009	.005		
9.0	.134	.075	.036	.115	.065	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004		
10.0	.128	.071	.033	.111	.062	.029	.077	.043	.021	.045	.026	.012	.015	.008	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 2835 IP20					TYPE: 2835 180LED 24V			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: 0.01*0.5			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	24.7	26.2	25.0	26.4	26.7	24.6	26.1	24.9	26.4	26.6
	3H	26.2	27.6	26.5	27.8	28.1	26.1	27.5	26.4	27.7	28.0
	4H	26.7	28.1	27.1	28.3	28.6	26.6	27.9	26.9	28.2	28.5
	6H	27.0	28.2	27.3	28.5	28.8	26.9	28.2	27.3	28.5	28.8
	8H	26.9	28.2	27.3	28.5	28.8	27.0	28.2	27.4	28.5	28.9
	12H	26.9	28.1	27.3	28.4	28.7	27.0	28.2	27.4	28.5	28.9
4H	2H	25.3	26.6	25.6	26.9	27.2	25.2	26.5	25.5	26.8	27.1
	3H	26.9	28.1	27.3	28.4	28.7	26.8	28.0	27.2	28.3	28.6
	4H	27.6	28.6	28.0	29.0	29.4	27.5	28.5	27.9	28.9	29.2
	6H	27.9	28.9	28.4	29.3	29.7	27.9	28.9	28.3	29.2	29.6
	8H	27.9	28.8	28.4	29.2	29.6	28.0	28.9	28.5	29.3	29.7
	12H	27.9	28.7	28.3	29.1	29.5	28.1	28.9	28.5	29.3	29.7
8H	4H	27.8	28.7	28.2	29.1	29.5	27.7	28.6	28.1	29.0	29.4
	6H	28.3	29.0	28.7	29.4	29.9	28.2	29.0	28.7	29.4	29.9
	8H	28.3	29.0	28.8	29.4	29.9	28.4	29.1	28.9	29.5	30.0
	12H	28.3	28.9	28.8	29.4	29.9	28.5	29.1	29.0	29.6	30.1
12H	4H	27.8	28.6	28.2	29.0	29.4	27.7	28.5	28.1	28.9	29.3
	6H	28.3	28.9	28.8	29.4	29.9	28.3	28.9	28.8	29.4	29.8
	8H	28.4	28.9	28.9	29.4	29.9	28.5	29.0	29.0	29.5	30.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 773.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.9)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

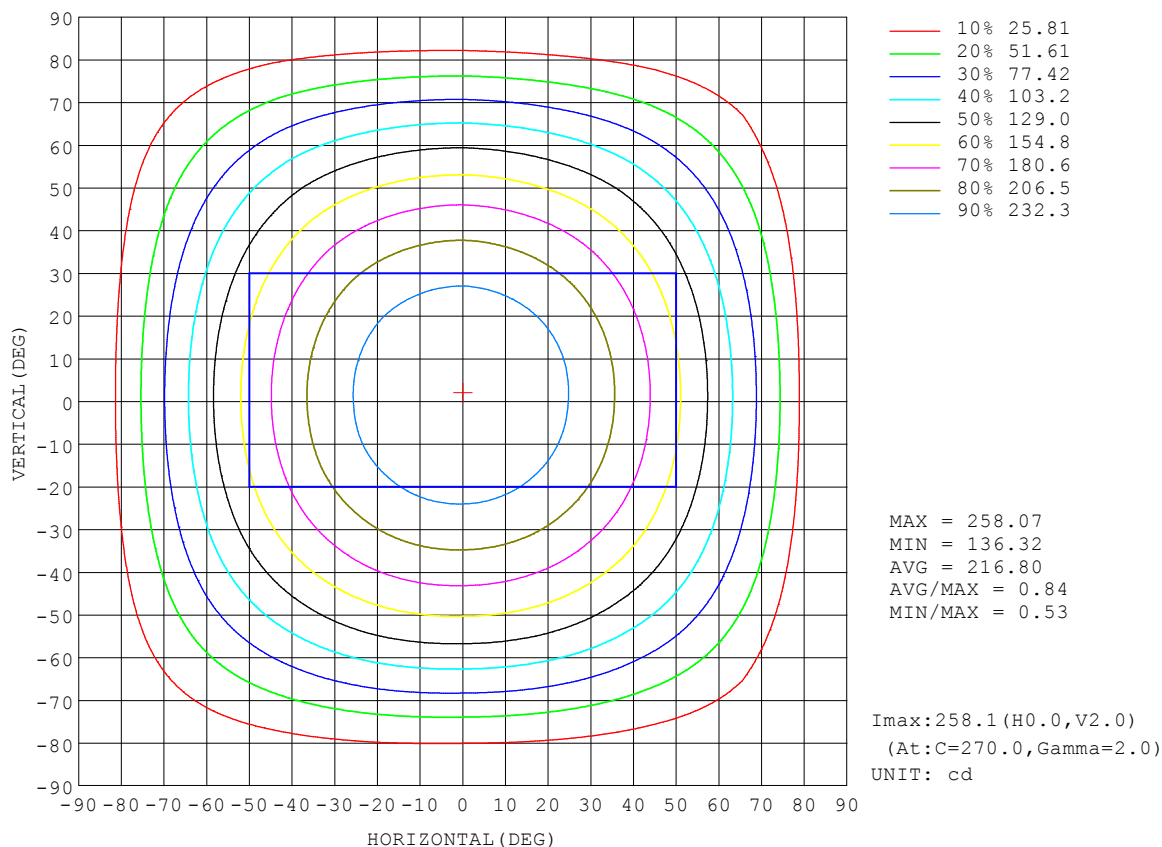
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	71	65	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	86	76	70	82	74	68	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	94	91	82
5.00	108	103	99	106	101	97	101	97	94	85
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: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

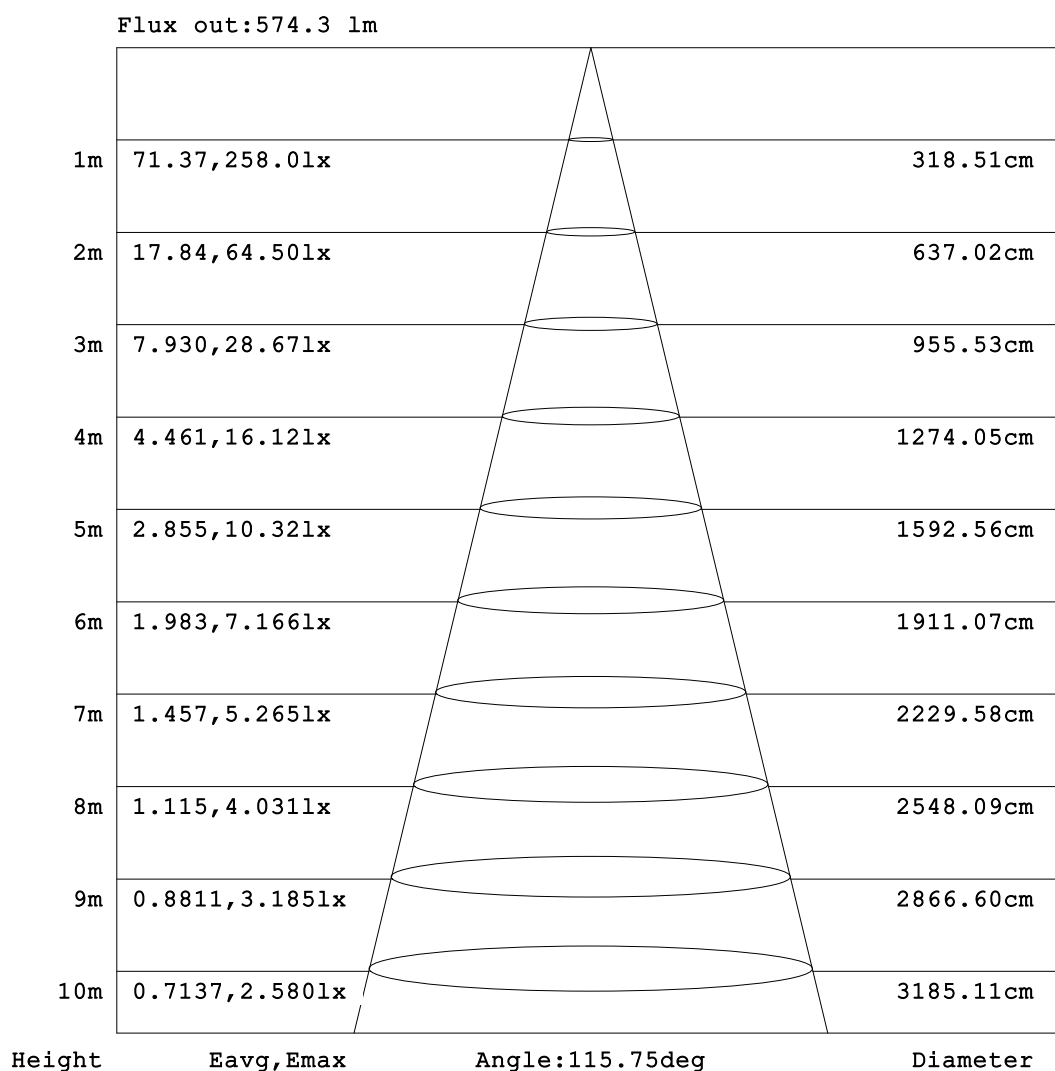


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

AAI Figure

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



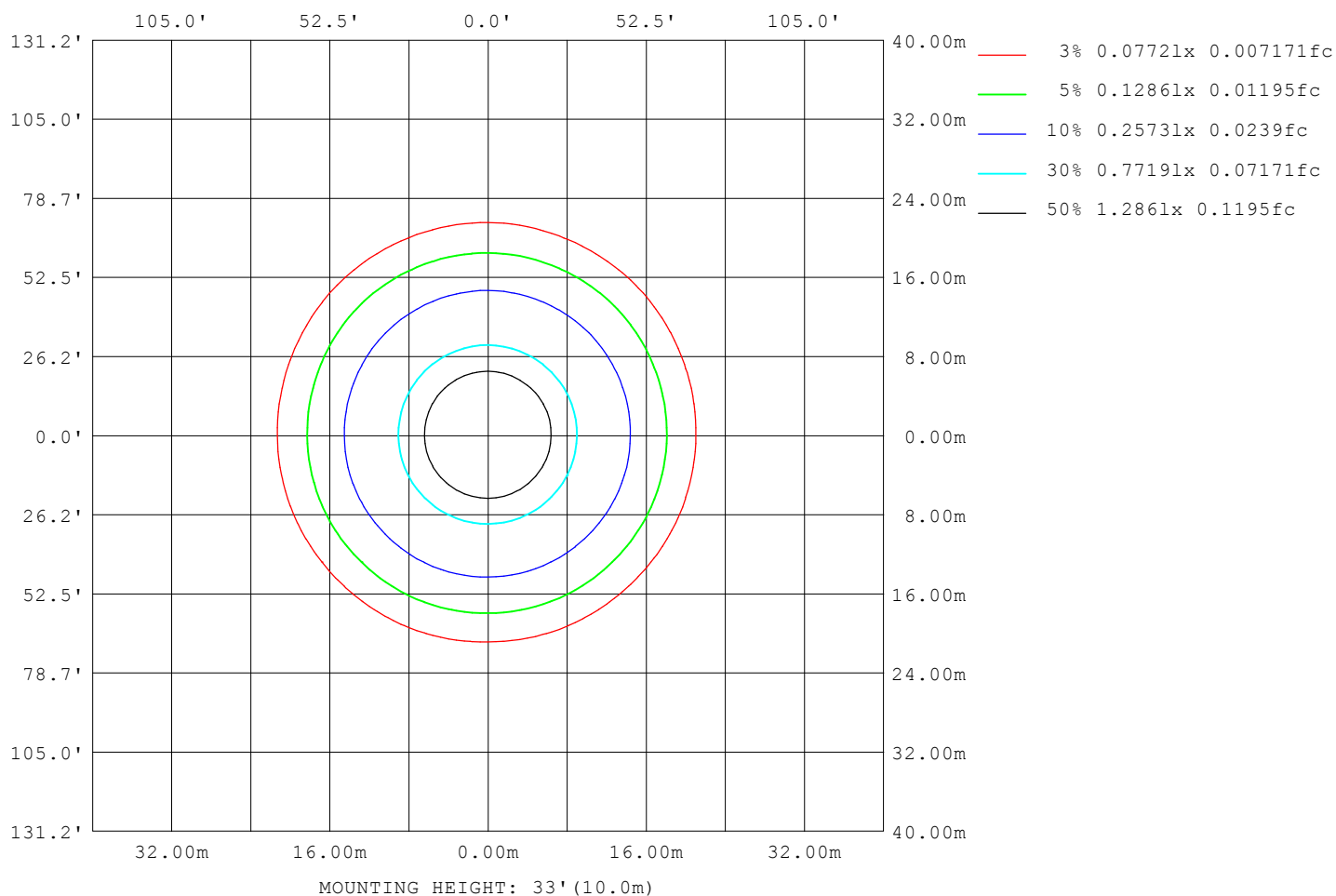
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

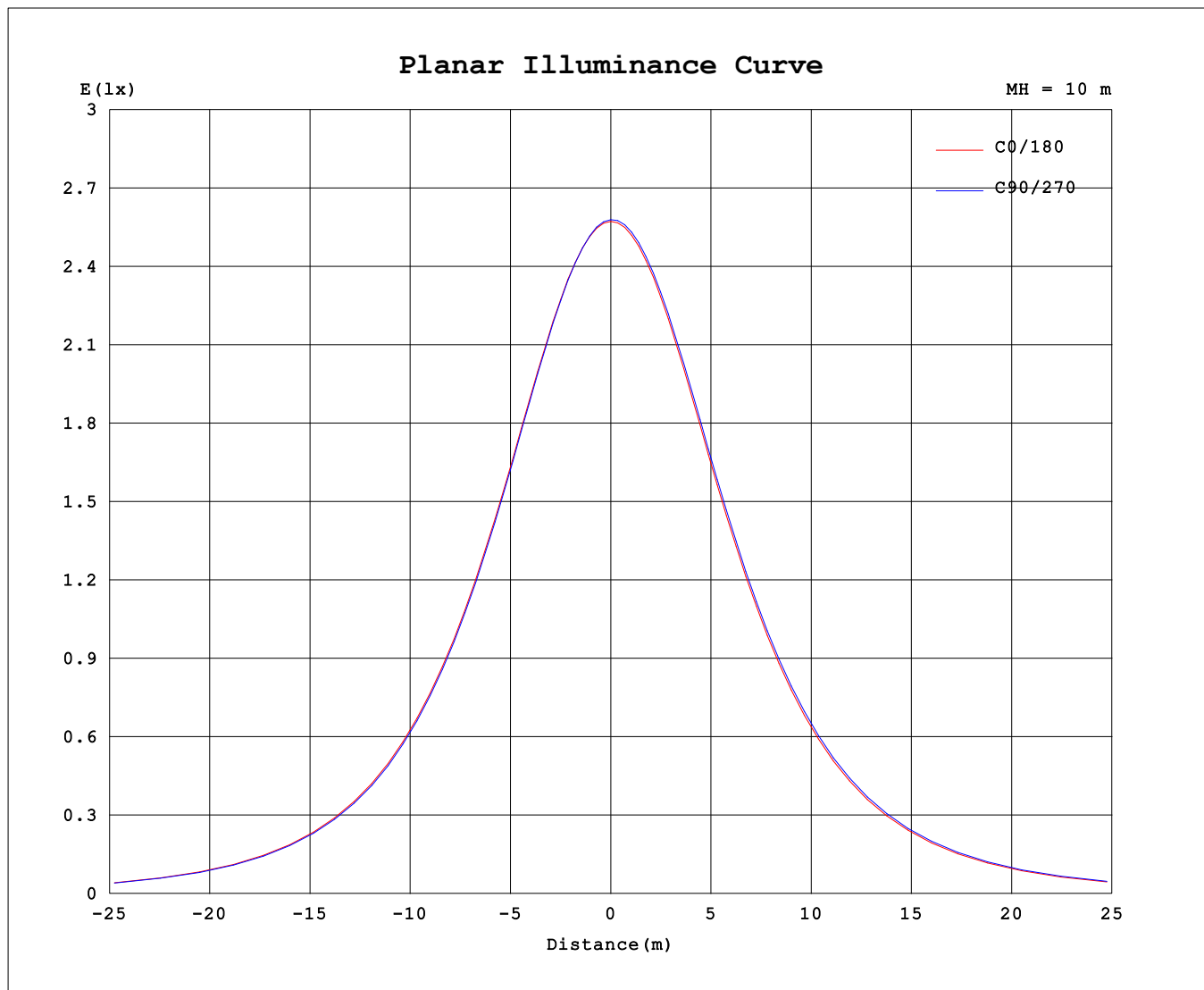
AvgL	cd/m2
L_0~180 (65) av	23118
L_0~180 (75) av	19754
L_0~180 (85) av	7061
L_90~270 (65) av	23266
L_90~270 (75) av	20081
L_90~270 (85) av	14696
L_45 (65) av	23210
L_45 (75) av	19935
L_45 (85) av	14424

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 2835 IP20	TYPE: 2835 180LED 24V	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (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	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258			
5	257	257	257	257	257	257	257	257	257	257	258	258	258	258	257	257			
10	253	253	253	253	253	253	253	254	254	255	255	255	255	255	254	254			
15	249	249	248	248	248	249	249	250	251	251	252	252	252	251	251	250			
20	241	240	240	239	240	240	241	242	243	243	244	244	244	244	243	242			
25	234	233	232	232	232	233	234	235	236	237	238	238	238	237	236	235			
30	221	220	219	219	219	220	221	222	223	225	226	226	226	225	224	222			
35	211	210	209	208	208	210	211	212	213	215	216	216	216	215	214	213			
40	194	192	191	191	191	192	193	195	197	198	200	200	200	198	197	195			
45	181	179	178	178	178	179	180	182	184	185	187	187	187	186	184	182			
50	159	158	156	156	156	158	159	161	163	164	166	166	166	165	163	161			
55	143	142	140	140	140	142	143	146	147	149	151	151	151	149	148	145			
60	118	117	115	115	115	117	118	121	122	124	126	126	126	124	123	120			
65	99.9	98.5	96.7	97.1	97.1	99.3	101	103	105	106	109	109	109	106	105	102			
70	72.0	70.5	69.0	69.4	69.7	71.7	72.9	75.2	76.8	78.6	81.0	80.8	80.7	78.2	76.6	73.7			
75	53.3	51.8	50.6	51.0	51.3	53.2	54.4	56.4	58.0	59.9	62.2	62.0	61.8	59.4	57.6	54.8			
80	15.9	26.1	25.3	25.8	26.2	27.6	28.5	30.0	31.3	33.2	35.2	35.0	34.6	32.4	30.9	28.5			
85	0.27	12.5	12.3	12.7	12.8	14.0	14.5	15.2	15.8	17.9	19.7	19.5	18.9	17.3	15.9	14.0			
90	0.27	1.37	1.66	1.80	1.70	1.89	1.91	1.85	0.23	2.24	4.03	4.76	4.48	3.58	2.60	1.37			
95	0.40	0.45	0.63	0.68	0.67	0.67	0.62	0.49	0.31	0.53	1.52	1.92	1.88	1.44	0.86	0.36			
100	0.67	0.69	0.72	0.74	0.75	0.72	0.67	0.64	0.52	0.51	0.50	0.64	0.65	0.56	0.54	0.55			
105	0.87	0.88	0.91	0.91	0.91	0.89	0.87	0.83	0.71	0.66	0.66	0.67	0.67	0.68	0.70	0.71			
110	1.21	1.19	1.22	1.22	1.21	1.20	1.17	1.14	1.00	0.93	0.92	0.92	0.93	0.94	0.96	0.98			
115	1.44	1.40	1.42	1.43	1.42	1.40	1.38	1.35	1.21	1.11	1.10	1.10	1.11	1.12	1.14	1.16			
120	1.76	1.70	1.71	1.71	1.72	1.70	1.67	1.65	1.50	1.40	1.37	1.37	1.39	1.39	1.41	1.44			
125	1.96	1.88	1.89	1.90	1.90	1.88	1.87	1.85	1.69	1.59	1.54	1.54	1.56	1.57	1.58	1.62			
130	2.22	2.15	2.14	2.14	2.14	2.14	2.13	2.12	1.96	1.86	1.80	1.79	1.80	1.81	1.83	1.88			
135	2.39	2.32	2.29	2.29	2.29	2.30	2.29	2.29	2.12	2.02	1.95	1.94	1.93	1.96	1.98	2.05			
140	2.60	2.54	2.49	2.48	2.48	2.52	2.51	2.52	2.33	2.24	2.17	2.15	2.13	2.17	2.19	2.27			
145	2.72	2.67	2.62	2.60	2.59	2.65	2.64	2.65	2.45	2.37	2.31	2.28	2.25	2.28	2.31	2.40			
150	2.88	2.86	2.81	2.76	2.77	2.83	2.82	2.82	2.63	2.55	2.50	2.48	2.42	2.46	2.51	2.60			
155	2.99	2.97	2.93	2.88	2.89	2.94	2.93	2.92	2.74	2.67	2.62	2.61	2.55	2.58	2.63	2.71			
160	3.13	3.12	3.08	3.04	3.09	3.10	3.07	3.07	2.91	2.85	2.80	2.80	2.77	2.76	2.82	2.90			
165	3.21	3.21	3.18	3.15	3.21	3.19	3.16	3.17	3.03	2.98	2.94	2.93	2.94	2.90	2.96	3.04			
170	3.36	3.36	3.34	3.31	3.37	3.34	3.31	3.32	3.22	3.18	3.15	3.15	3.16	3.13	3.18	3.25			
175	3.47	3.47	3.46	3.43	3.48	3.45	3.43	3.44	3.36	3.33	3.31	3.31	3.33	3.31	3.35	3.40			
180	3.57	3.55	3.55	3.56	3.60	3.57	3.58	3.59	3.57	3.55	3.55	3.56	3.60	3.57	3.58	3.59			

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