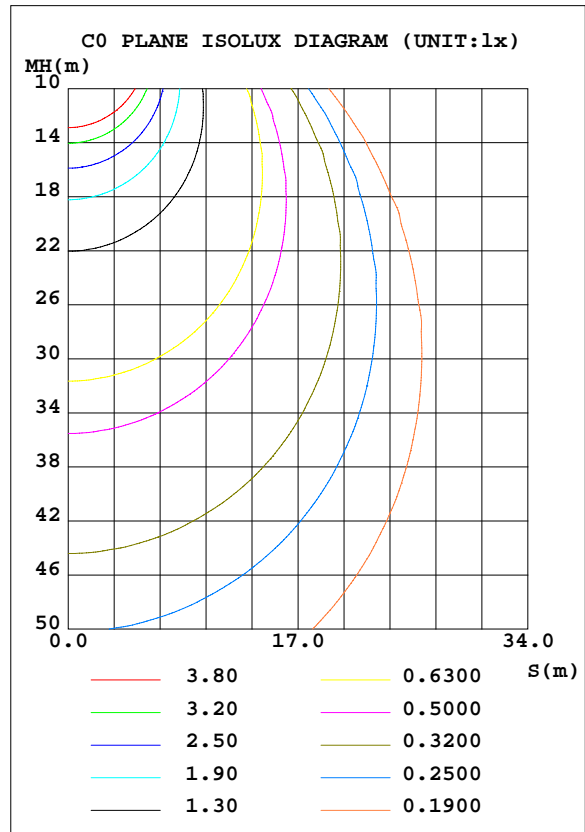
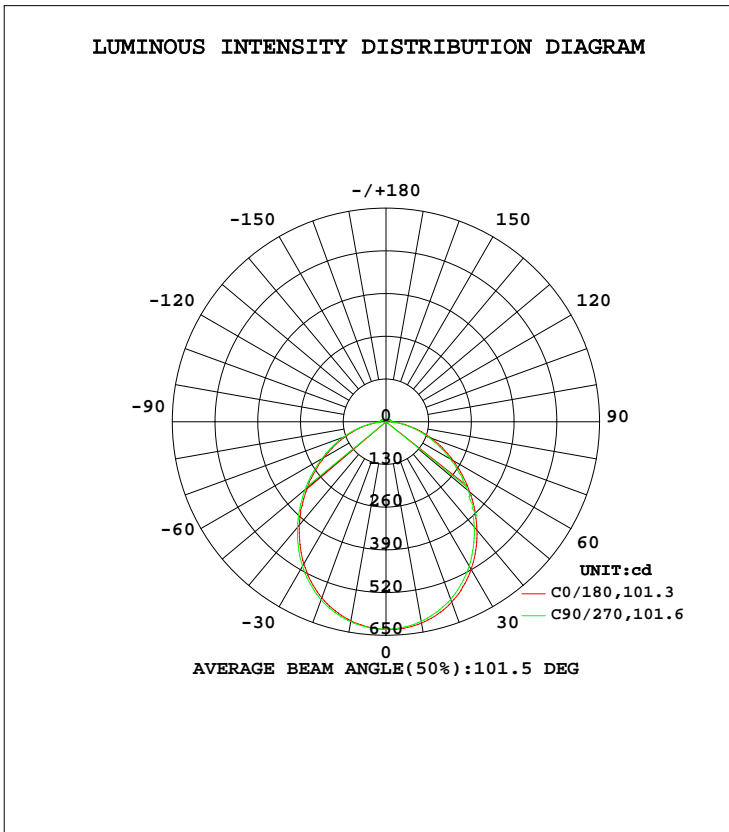


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.79 lm/W			
MODE	ASD-LFMFD-15D23CC-XX/YY	Imax(cd)	632.3	S/MH(C0/180)	1.22
NOMINAL POWER(W)	23	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1694.9	η UP, DN(C0-180)	2.2,47.7
NOMINAL FLUX(lm)	1694.92	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.0,48.1
LAMPS INSIDE	1	η up(%)	4.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.1	η down(%)	95.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [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	615.2	616.5	617.9	620.7	621.9	620.8	617.0	615.7	0- 10	59.66	59.66	3.52,3.52
20	570.8	573.4	576.8	581.0	583.9	581.2	575.3	572.5	10- 20	169.4	229.0	13.5,13.5
30	499.7	503.7	508.3	513.9	518.1	514.1	506.6	503.6	20- 30	251.1	480.1	28.3,28.3
40	409.9	413.8	419.1	425.3	430.7	426.2	417.7	413.0	30- 40	291.0	771.1	45.5,45.5
50	312.5	316.5	321.4	327.2	332.6	328.5	324.0	322.2	40- 50	286.8	1058	62.4,62.4
60	218.1	221.2	225.9	231.0	235.8	231.8	226.0	221.8	50- 60	245.1	1303	76.9,76.9
70	131.5	134.2	138.6	142.5	146.3	142.9	138.4	134.8	60- 70	179.8	1483	87.5,87.5
80	56.83	59.21	62.57	65.31	67.61	65.10	61.98	59.47	70- 80	104.6	1587	93.7,93.7
90	16.54	16.67	16.75	16.68	15.72	15.34	15.82	16.22	80- 90	36.24	1624	95.8,95.8
100	16.02	16.15	16.28	16.24	15.31	14.87	15.33	15.70	90-100	17.50	1641	96.8,96.8
110	14.76	14.93	15.10	15.07	14.19	13.71	14.08	14.46	100-110	16.09	1657	97.8,97.8
120	12.72	12.86	13.11	13.16	12.35	11.76	12.12	12.51	110-120	13.52	1671	98.6,98.6
130	10.28	10.52	10.75	10.77	10.04	9.538	9.698	10.05	120-130	10.26	1681	99.2,99.2
140	7.856	8.022	8.257	8.266	7.571	7.092	7.113	7.404	130-140	6.970	1688	99.6,99.6
150	5.267	5.648	5.817	5.883	5.064	4.764	4.871	5.044	140-150	4.094	1692	99.8,99.8
160	3.523	3.301	3.700	3.800	3.097	2.697	2.846	2.981	150-160	1.991	1694	100,100
170	1.613	1.767	1.888	2.068	1.499	1.341	1.377	1.232	160-170	0.6936	1695	100,100
180	0.7719	0.7874	0.7828	0.7831	0.7817	0.7793	0.7833	0.7819	170-180	0.1106	1695	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 9.4 %									UNIT:lm		

Conical surface Flux(90deg): 917.76 lm

%lum = 54.1%
 %lamp = 54.1%

Conical surface Flux(120deg): 1303.1 lm

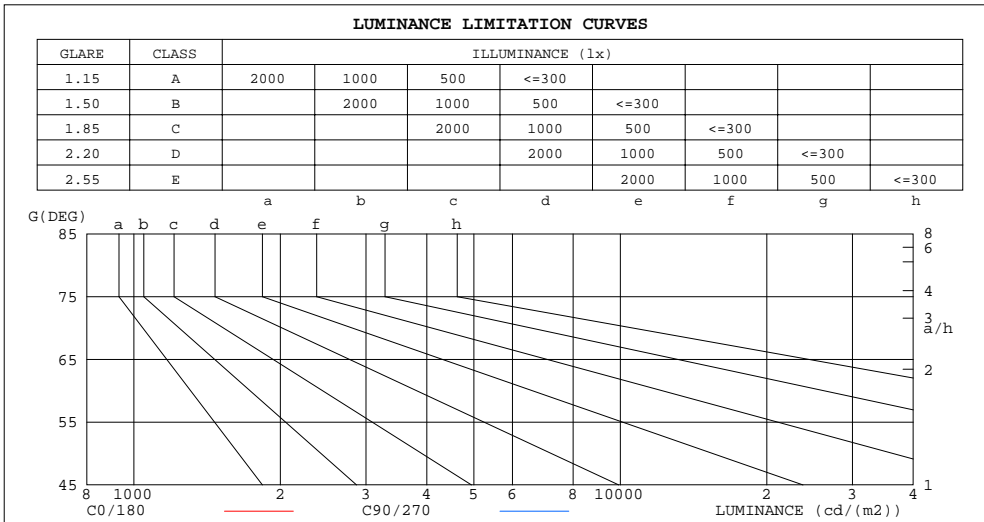
%lum = 76.9%
 %lamp = 76.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3000645	3546889
80	3270149	3610807
75	3561469	3825487
70	3842643	4059435
65	4102091	4293204
60	4358152	4527836
55	4604739	4765365
50	4857115	5010932
45	5105272	5245742

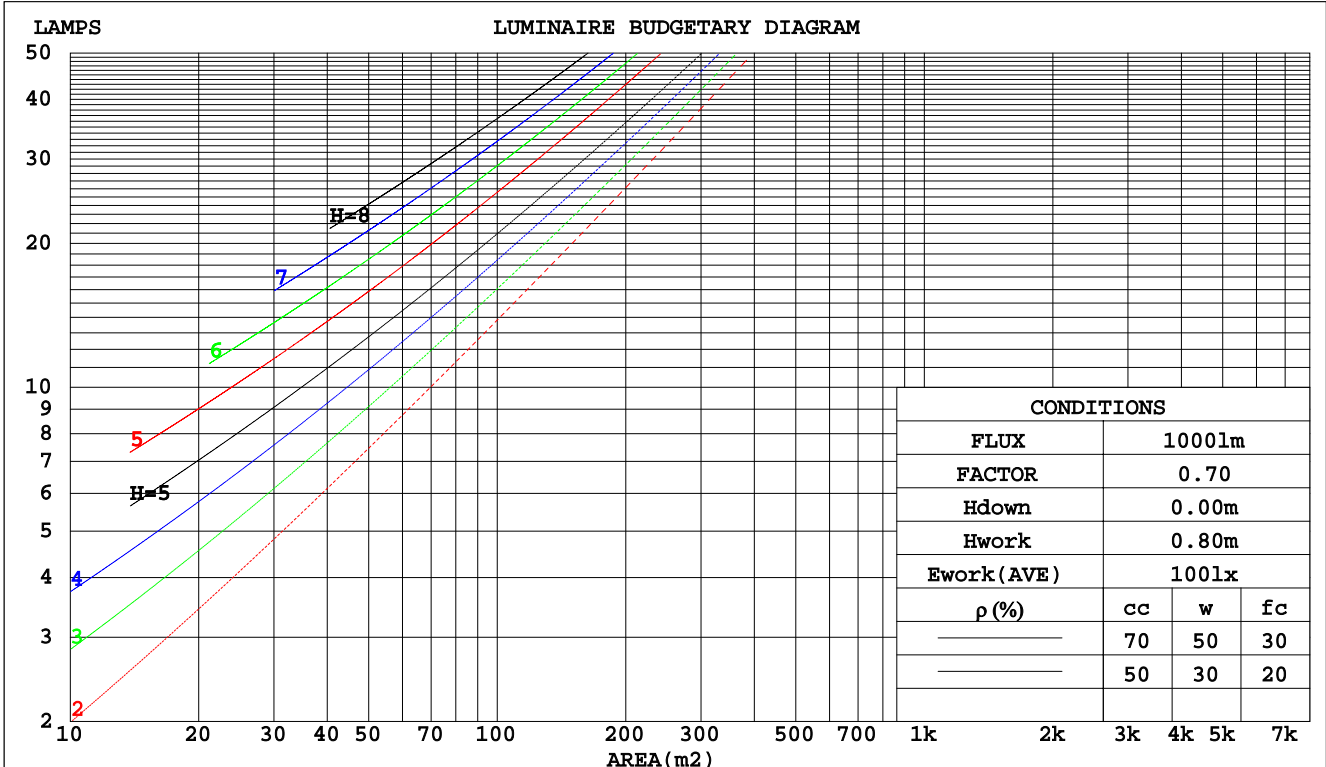
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.03	.99	.95	1.01	.97	.93	.96	.92	.90	.91	.88	.86	.87	.85	.83	.80
2.0	.90	.84	.78	.88	.82	.77	.84	.79	.74	.80	.76	.72	.76	.73	.70	.67
3.0	.80	.72	.65	.78	.70	.64	.74	.68	.63	.71	.66	.61	.68	.63	.60	.57
4.0	.71	.62	.56	.69	.61	.55	.66	.59	.54	.63	.57	.53	.61	.56	.51	.49
5.0	.63	.55	.48	.62	.54	.48	.59	.52	.47	.57	.51	.46	.55	.49	.45	.43
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.43	.37	.32	.42	.36	.32	.30
9.0	.44	.36	.30	.43	.35	.30	.41	.34	.30	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.36	.30	.26	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.303	.172	.055	.295	.168	.053	.279	.160	.051	.265	.153	.049	.251	.146	.047	
2.0	.283	.155	.048	.276	.152	.047	.262	.146	.045	.249	.140	.044	.238	.134	.042	
3.0	.262	.139	.042	.255	.137	.041	.243	.132	.040	.232	.127	.039	.221	.122	.038	
4.0	.242	.126	.037	.236	.124	.037	.225	.119	.036	.215	.115	.035	.205	.112	.034	
5.0	.224	.114	.033	.219	.112	.033	.209	.109	.032	.200	.105	.031	.191	.102	.031	
6.0	.208	.104	.030	.203	.103	.030	.194	.100	.029	.186	.097	.028	.178	.094	.028	
7.0	.194	.096	.027	.190	.094	.027	.182	.092	.026	.174	.089	.026	.167	.087	.026	
8.0	.181	.089	.025	.177	.087	.025	.170	.085	.024	.164	.083	.024	.157	.081	.023	
9.0	.170	.082	.023	.167	.081	.023	.160	.079	.022	.154	.077	.022	.148	.075	.022	
10.0	.160	.077	.021	.157	.076	.021	.151	.074	.021	.145	.072	.021	.140	.070	.020	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.222	.222	.222	.190	.190	.190	.130	.130	.130	.075	.075	.075	.024	.024	.024	
1.0	.212	.188	.167	.181	.162	.144	.124	.111	.100	.071	.064	.058	.023	.021	.019	
2.0	.204	.164	.132	.174	.142	.114	.120	.098	.079	.069	.057	.046	.022	.018	.015	
3.0	.196	.147	.108	.168	.127	.094	.115	.088	.066	.066	.051	.039	.021	.017	.013	
4.0	.188	.134	.092	.161	.115	.080	.111	.080	.056	.064	.047	.033	.021	.015	.011	
5.0	.180	.123	.081	.155	.107	.071	.107	.075	.050	.062	.044	.030	.020	.014	.010	
6.0	.173	.115	.073	.149	.100	.064	.103	.070	.045	.060	.041	.027	.019	.013	.009	
7.0	.167	.108	.067	.143	.094	.058	.099	.066	.041	.058	.039	.025	.019	.013	.008	
8.0	.160	.102	.062	.138	.089	.054	.095	.062	.039	.056	.037	.023	.018	.012	.008	
9.0	.154	.097	.059	.133	.085	.051	.092	.059	.036	.054	.035	.022	.017	.012	.007	
10.0	.149	.093	.056	.128	.081	.049	.089	.057	.035	.052	.034	.021	.017	.011	.007	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm										
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K					TYPE:N/A			WEIGHT:N/A		
SPEC.:					DIM.: N/A			SERIAL No.:N/A		
MFR.: ASD lighting corp.					SUR.:N/A			Shielding Angle:N/A		
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	41.7	43.1	42.0	43.4	43.6	41.8	43.2	42.1	43.5	43.8
3H	43.0	44.3	43.4	44.6	44.9	43.2	44.5	43.5	44.8	45.1
4H	43.5	44.8	43.9	45.1	45.5	43.8	45.0	44.1	45.3	45.7
6H	43.9	45.1	44.3	45.5	45.8	44.2	45.4	44.6	45.7	46.1
8H	44.1	45.2	44.5	45.6	45.9	44.4	45.5	44.8	45.9	46.2
12H	44.2	45.2	44.6	45.6	46.0	44.5	45.6	44.9	46.0	46.3
4H 2H	42.2	43.4	42.6	43.8	44.1	42.3	43.6	42.7	43.9	44.2
3H	43.7	44.8	44.1	45.2	45.6	43.9	45.0	44.3	45.4	45.7
4H	44.4	45.4	44.8	45.8	46.2	44.6	45.6	45.0	46.0	46.4
6H	44.9	45.8	45.4	46.2	46.7	45.2	46.1	45.6	46.5	46.9
8H	45.1	45.9	45.6	46.4	46.9	45.4	46.2	45.9	46.7	47.1
12H	45.3	46.0	45.7	46.5	47.0	45.6	46.3	46.1	46.8	47.3
8H 4H	44.7	45.5	45.1	45.9	46.4	44.8	45.7	45.3	46.1	46.6
6H	45.3	46.0	45.8	46.5	47.0	45.6	46.2	46.1	46.7	47.2
8H	45.6	46.2	46.1	46.7	47.3	45.9	46.5	46.4	47.0	47.5
12H	45.8	46.3	46.4	46.9	47.4	46.1	46.7	46.7	47.2	47.7
12H 4H	44.7	45.4	45.2	45.9	46.4	44.8	45.6	45.3	46.0	46.5
6H	45.4	46.0	45.9	46.5	47.0	45.6	46.2	46.1	46.7	47.3
8H	45.7	46.2	46.3	46.8	47.3	46.0	46.5	46.5	47.0	47.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 1695 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.8)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

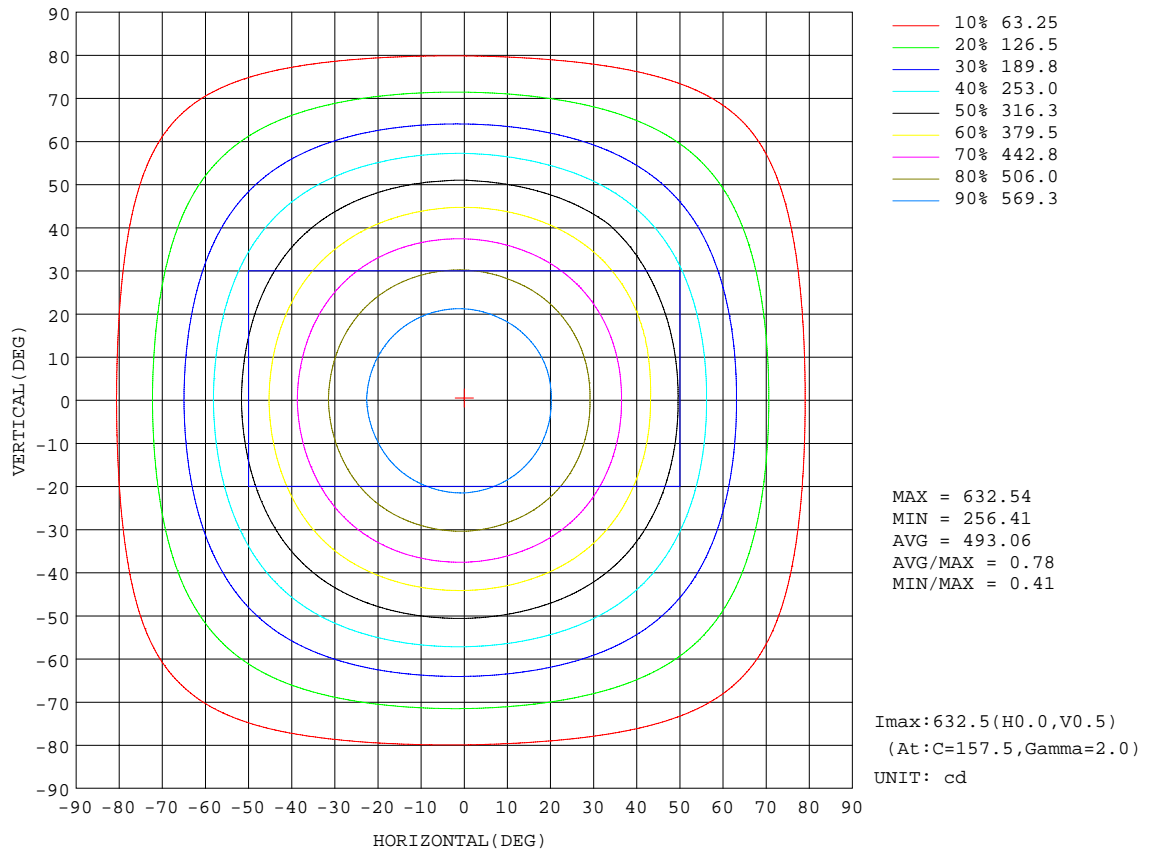
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	56	49	67	56	49	65	55	48	42
1.00	76	65	58	75	64	57	72	65	57	50
1.25	83	72	65	81	72	65	78	70	64	56
1.50	88	78	71	86	77	70	82	75	69	61
2.00	94	86	79	92	84	78	88	82	77	68
2.50	98	90	84	96	89	83	91	86	81	72
3.00	101	94	89	99	93	88	94	89	85	76
4.00	105	100	95	103	97	93	98	94	90	80
5.00	108	103	99	105	100	97	100	96	93	83
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: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

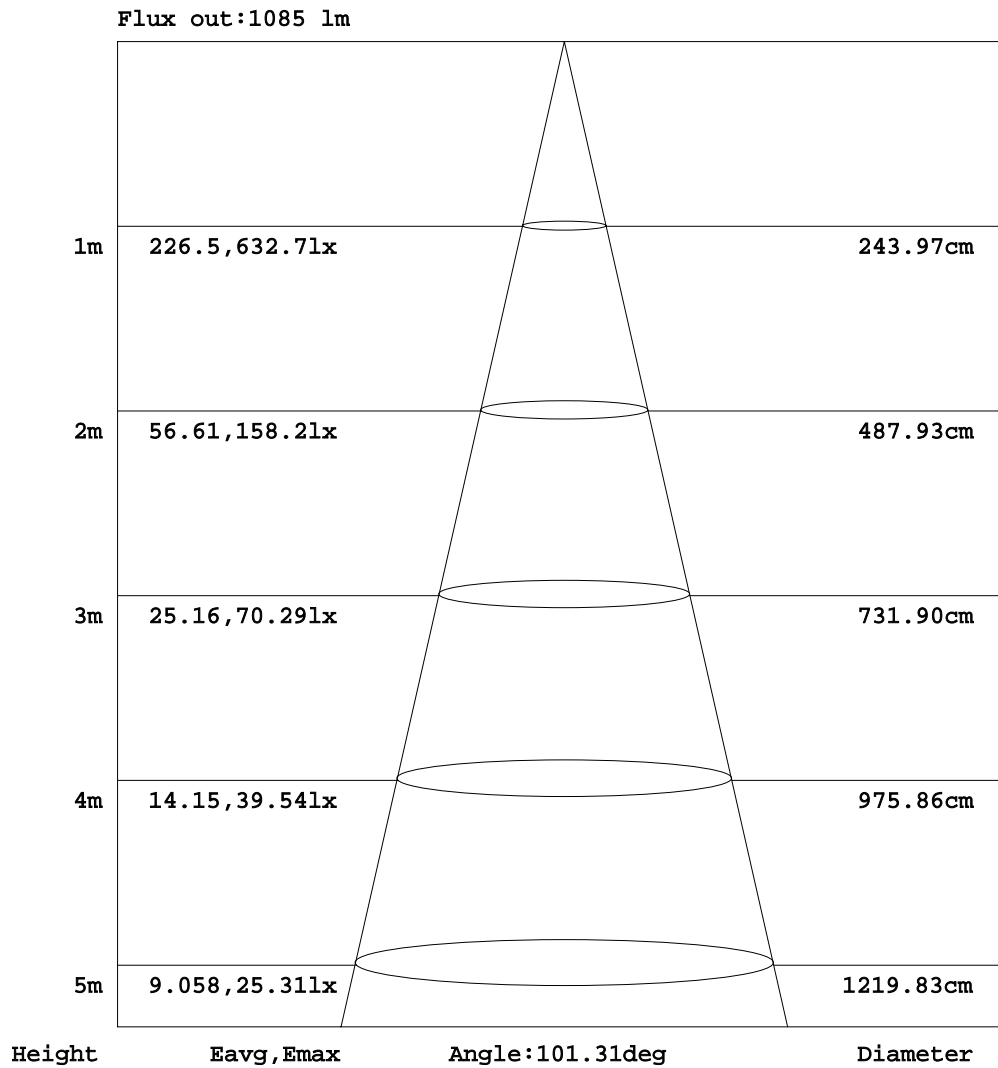


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.2DEG
 Operators: Ben
 Test Date: 2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 2.460m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A



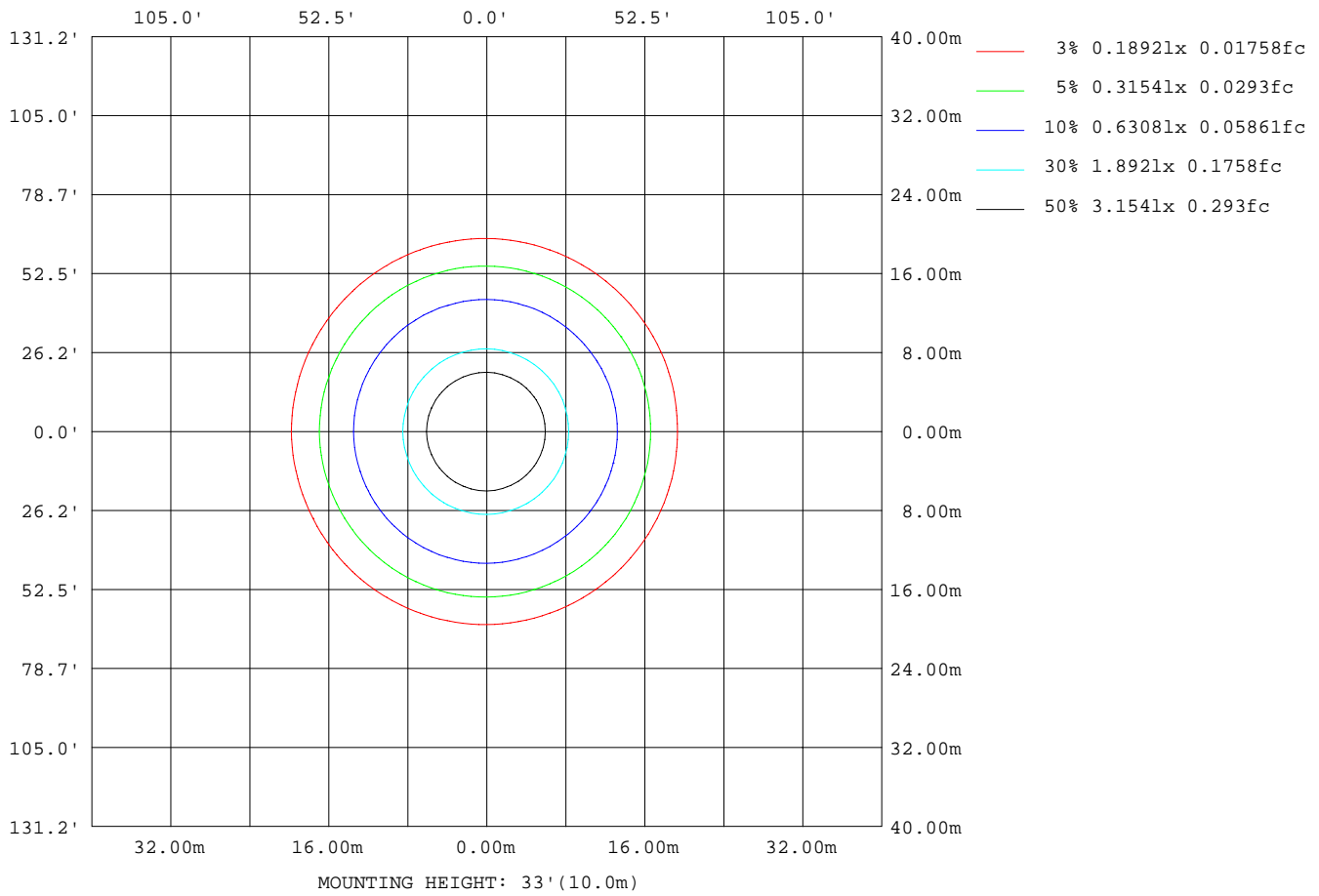
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

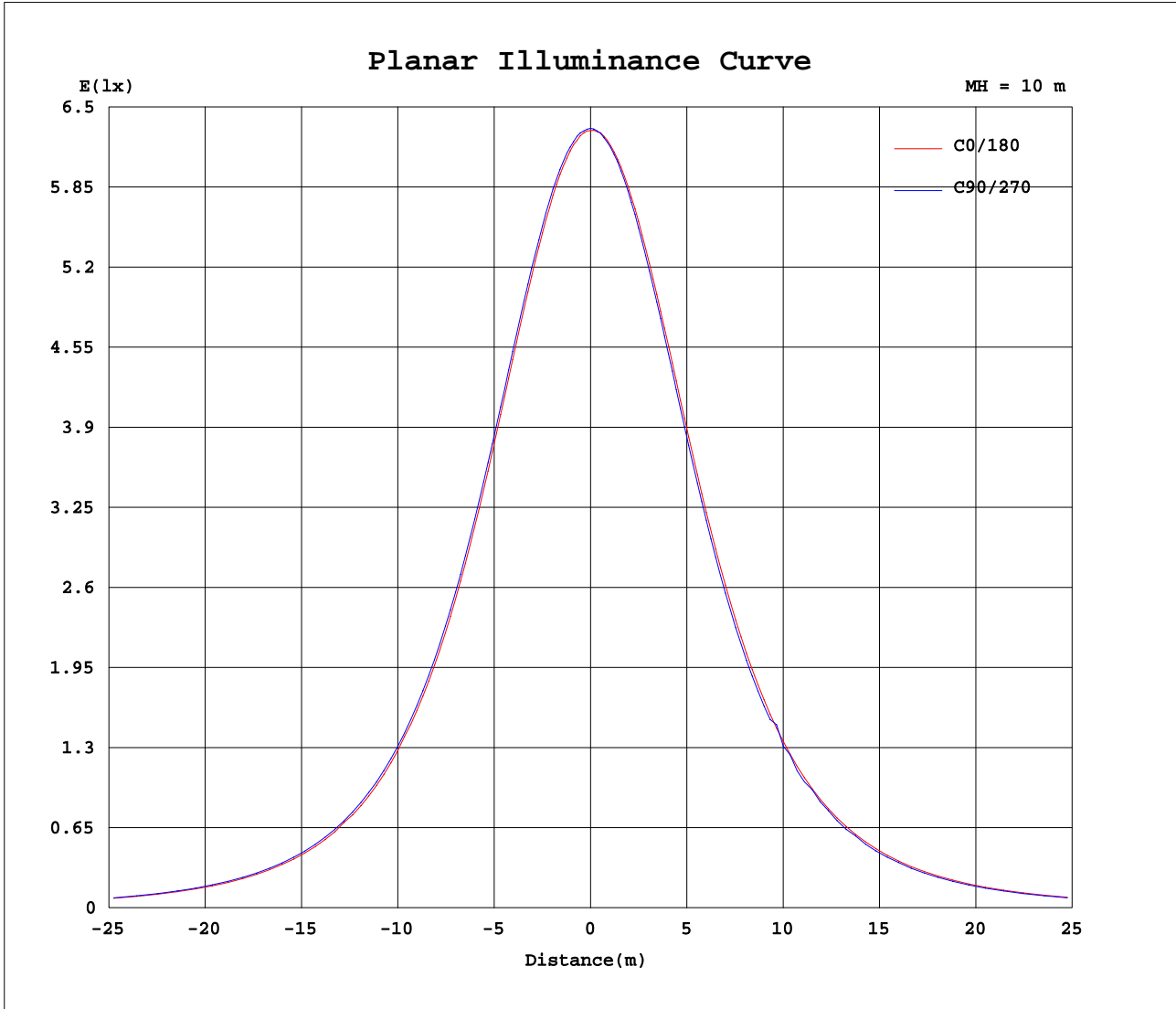
AvgL	cd/m2
L_0~180(65)av	4298437
L_0~180(75)av	3808050
L_0~180(85)av	3501476
L_90~270(65)av	4283474
L_90~270(75)av	3805241
L_90~270(85)av	3511516
L_45(65)av	4289179
L_45(75)av	3805603
L_45(85)av	3501219

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.460m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.2DEG
 Operators: Ben
 Test Date: 2019-4-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 2.460m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.1996A P:23.61W PF:0.9847 Lamp Flux:1694.92x1 lm		
NAME: ASD-LFMFD-15D23CC-XX/YY 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD lighting corp.	SUR.:N/A	Shielding Angle:N/A

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	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631			
5	627	627	628	628	628	629	630	630	631	630	629	629	627	628	628	627			
10	615	615	617	617	618	619	621	620	622	620	621	619	617	616	616	616			
15	596	597	599	600	600	603	604	605	607	605	604	602	599	598	598	598			
20	571	571	573	575	577	579	581	582	584	582	581	578	575	573	572	572			
25	538	539	542	543	545	548	550	552	554	553	551	547	543	542	541	540			
30	500	501	504	506	508	511	514	515	518	517	514	510	507	504	504	502			
35	456	458	460	463	465	469	471	473	477	475	472	468	464	461	459	459			
40	410	411	414	416	419	422	425	427	431	429	426	422	418	415	413	412			
45	361	363	365	368	370	374	378	379	383	380	378	378	371	371	365	364			
50	312	314	317	319	321	325	327	329	333	331	329	325	324	331	322	315			
55	264	266	268	270	273	276	278	280	284	282	279	276	273	277	269	267			
60	218	219	221	224	226	229	231	232	236	234	232	229	226	224	222	221			
65	174	174	176	179	181	184	185	186	190	188	186	184	181	179	177	176			
70	132	132	134	136	139	141	142	143	146	145	143	141	138	136	135	134			
75	92.3	93.2	94.9	96.9	98.8	101	102	103	105	103	102	100	98.2	96.5	95.1	94.5			
80	56.8	57.7	59.2	60.8	62.6	64.2	65.3	65.5	67.6	66.4	65.1	63.6	62.0	60.5	59.5	58.9			
85	26.2	26.8	28.0	29.3	30.9	32.2	33.0	33.0	34.9	33.7	32.6	31.4	30.4	29.3	28.5	28.2			
90	16.5	16.6	16.7	16.7	16.8	16.8	16.7	16.3	15.7	15.4	15.3	15.5	15.8	16.1	16.2	16.3			
95	16.4	16.4	16.5	16.6	16.6	16.7	16.6	16.2	15.6	15.2	15.2	15.4	15.7	15.9	16.0	16.2			
100	16.0	16.1	16.1	16.2	16.3	16.3	16.2	15.8	15.3	14.9	14.9	15.0	15.3	15.6	15.7	15.8			
105	15.5	15.5	15.7	15.8	15.8	15.8	15.8	15.4	14.9	14.5	14.4	14.6	14.8	15.1	15.2	15.3			
110	14.8	14.8	14.9	15.0	15.1	15.1	15.1	14.6	14.2	13.8	13.7	13.9	14.1	14.4	14.5	14.6			
115	13.8	13.8	14.0	14.1	14.2	14.2	14.1	13.7	13.3	12.9	12.9	13.0	13.2	13.5	13.5	13.7			
120	12.7	12.7	12.9	13.0	13.1	13.2	13.2	12.7	12.3	11.9	11.8	12.0	12.1	12.4	12.5	12.7			
125	11.6	11.6	11.7	11.8	12.0	12.0	12.0	11.5	11.2	10.8	10.7	10.9	10.9	11.2	11.3	11.4			
130	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.3	10.0	9.68	9.54	9.66	9.70	10.0	10.0	10.1			
135	9.05	9.17	9.27	9.37	9.52	9.60	9.52	9.08	8.83	8.46	8.32	8.52	8.40	8.79	8.71	8.87			
140	7.86	7.93	8.02	8.12	8.26	8.33	8.27	7.83	7.57	7.19	7.09	7.29	7.11	7.50	7.40	7.57			
145	6.48	6.72	6.83	6.93	7.05	7.11	7.03	6.52	6.27	6.00	5.91	6.04	5.86	6.13	6.07	6.32			
150	5.27	5.51	5.65	5.72	5.82	5.88	5.88	5.45	5.06	4.86	4.76	4.86	4.87	4.87	5.04	4.98			
155	4.49	4.43	4.56	4.64	4.72	4.80	4.81	4.40	4.03	3.85	3.70	3.78	3.81	3.81	3.98	3.83			
160	3.52	3.44	3.30	3.62	3.70	3.82	3.80	3.43	3.10	3.02	2.70	2.75	2.85	2.84	2.98	2.89			
165	2.58	2.53	2.55	2.68	2.76	2.87	2.89	2.30	2.28	2.24	1.92	1.89	2.05	1.78	2.12	2.15			
170	1.61	1.52	1.77	1.66	1.89	2.00	2.07	1.48	1.50	1.48	1.34	1.22	1.38	1.13	1.23	1.37			
175	1.11	0.99	1.18	1.17	1.17	1.19	1.19	0.97	0.81	0.83	0.89	0.84	0.74	0.77	0.73	0.72			
180	0.77	0.78	0.79	0.79	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78			

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