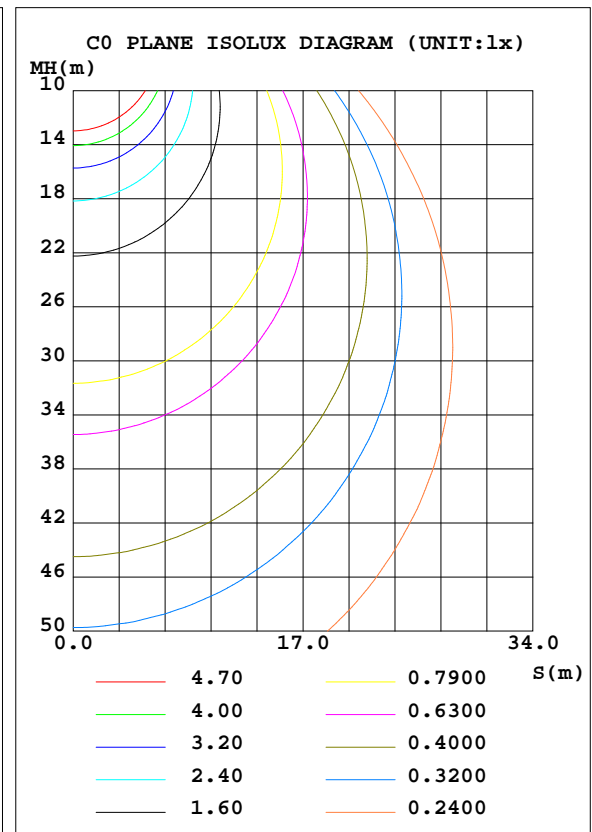
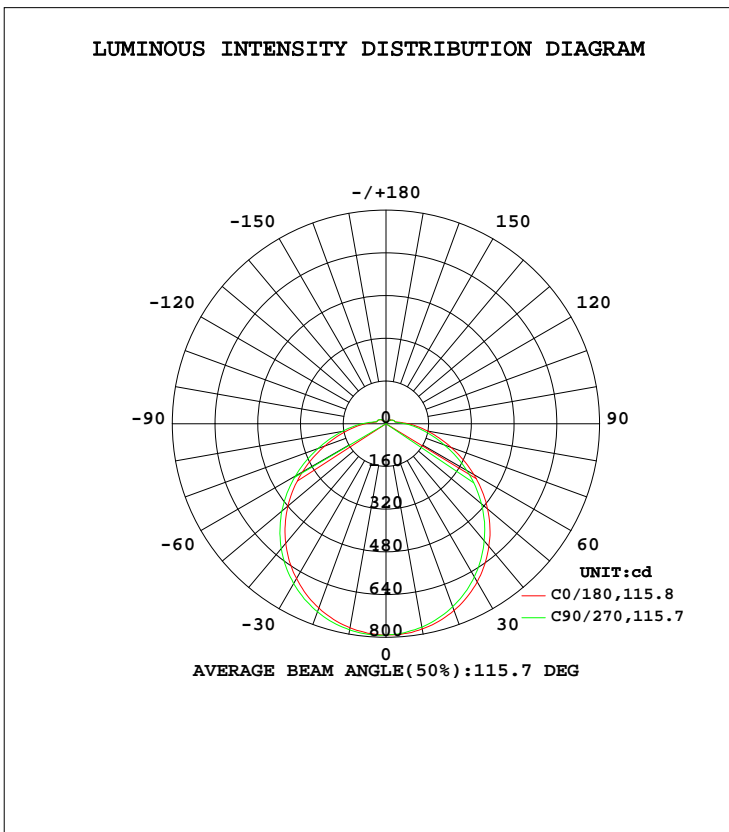


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.56 lm/W			
MODEL	ASD-LFMDR-MV-18D28CC-NK	I _{max} (cd)	792.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2458	η UP, DN(C0-180)	3.6,47.7
NOMINAL FLUX(lm)	2458	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.2,45.4
LAMPS INSIDE	1	η up(%)	6.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [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	776.2	778.4	784.1	784.6	780.5	776.2	773.6	771.9	0- 10	74.90	74.90	2.83,2.83
20	734.4	742.3	749.4	751.8	744.6	735.2	729.4	727.8	10- 20	215.1	290.0	11,11
30	669.7	680.8	691.8	693.4	684.0	670.6	662.2	660.4	20- 30	327.7	617.6	23.4,23.4
40	584.4	596.5	610.3	613.7	599.1	583.7	571.7	572.1	30- 40	398.2	1016	38.4,38.4
50	479.6	494.4	509.4	511.7	496.3	478.9	466.6	465.9	40- 50	417.8	1434	54.2,54.2
60	361.6	377.1	392.0	394.9	379.8	361.9	349.0	347.9	50- 60	384.6	1818	68.8,68.8
70	243.9	257.4	270.6	273.8	260.0	244.5	233.3	232.5	60- 70	307.4	2126	80.4,80.4
80	147.2	156.4	166.6	168.9	158.3	147.0	138.9	138.5	70- 80	211.4	2337	88.4,88.4
90	77.43	83.37	89.57	91.71	83.58	75.95	72.04	71.58	80- 90	124.8	2462	93.1,93.1
100	39.23	41.32	43.36	43.71	40.37	37.84	36.90	36.98	90-100	62.49	2524	95.5,95.5
110	34.62	34.78	34.40	33.65	32.78	32.77	33.28	33.72	100-110	37.39	2562	96.9,96.9
120	29.78	30.84	30.53	29.32	27.82	27.76	27.74	28.35	110-120	31.38	2593	98.1,98.1
130	23.48	24.65	24.62	23.19	21.76	21.11	20.85	21.36	120-130	23.32	2616	99,99
140	16.18	17.33	17.60	16.22	15.44	13.49	13.21	13.58	130-140	14.91	2631	99.6,99.6
150	9.158	9.966	10.42	9.331	7.741	7.186	6.826	6.940	140-150	7.463	2639	99.8,99.8
160	5.725	5.364	5.330	5.769	3.991	4.001	3.381	4.073	150-160	2.981	2642	100,100
170	3.131	2.606	3.391	3.280	2.662	2.744	2.160	2.279	160-170	1.039	2643	100,100
180	1.290	1.297	0.8900	1.018	1.305	1.303	1.304	1.305	170-180	0.2200	2643	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1225.6 lm

%lum = 46.4%

%lamp = 46.4%

Conical surface Flux(120deg): 1818.2 lm

%lum = 68.8%

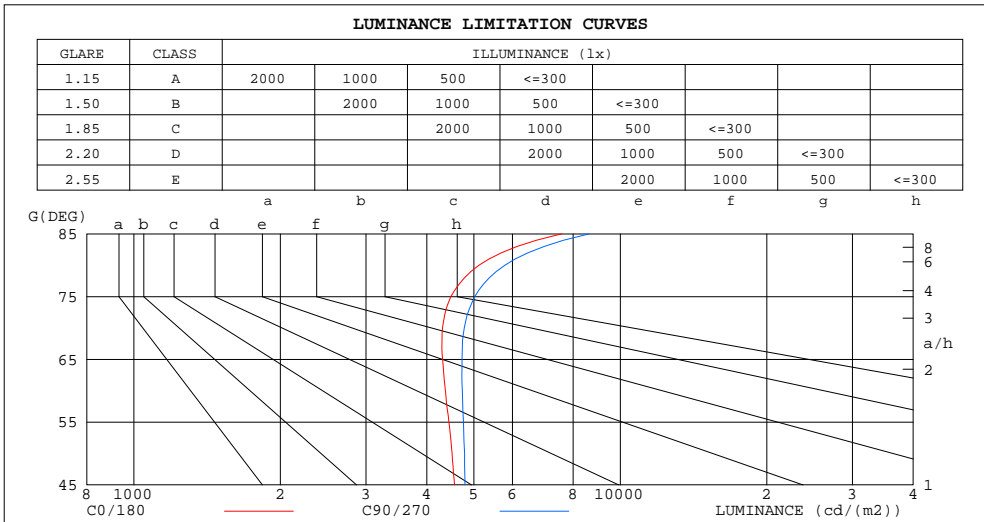
%lamp = 68.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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	7574	8633
80	5122	5790
75	4482	5022
70	4310	4776
65	4312	4727
60	4370	4733
55	4443	4759
50	4509	4784
45	4563	4793

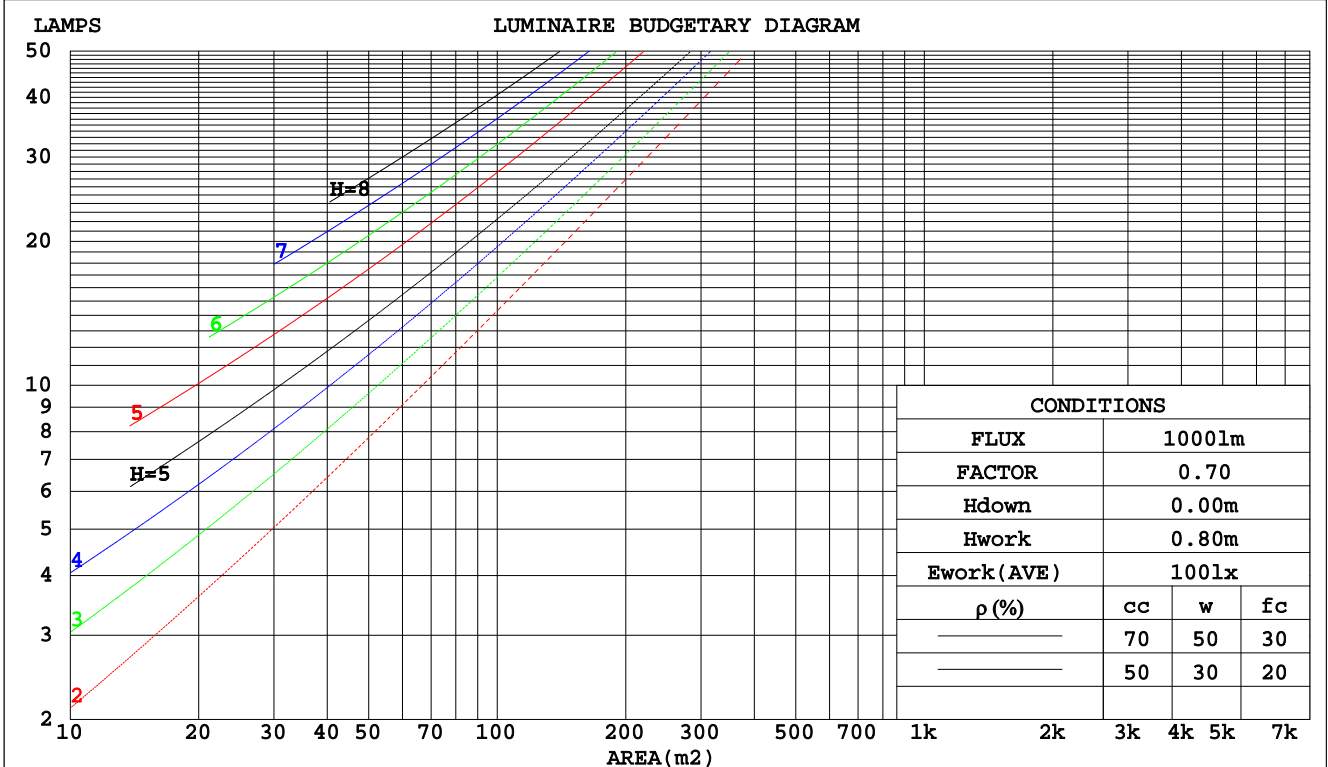
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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
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						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1.0	1.00	.96	.91	.97	.93	.89	.92	.88	.85	.87	.84	.81	.82	.80	.78	.75
2.0	.87	.80	.73	.84	.78	.72	.80	.74	.69	.75	.71	.67	.71	.67	.64	.61
3.0	.76	.67	.60	.74	.66	.59	.70	.63	.58	.66	.60	.56	.63	.58	.54	.51
4.0	.67	.58	.51	.65	.57	.50	.62	.55	.49	.59	.52	.47	.56	.50	.46	.44
5.0	.60	.50	.44	.58	.50	.43	.55	.48	.42	.53	.46	.41	.50	.44	.40	.37
6.0	.54	.45	.38	.52	.44	.37	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7.0	.49	.40	.33	.47	.39	.33	.45	.38	.32	.43	.37	.32	.41	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
9.0	.41	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.27	.23	.32	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators:Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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	.345	.196	.062	.336	.192	.061	.319	.183	.058	.303	.175	.056	.288	.167	.054	
2.0	.311	.170	.052	.302	.167	.051	.287	.160	.050	.273	.153	.048	.259	.147	.046	
3.0	.282	.150	.045	.274	.147	.044	.260	.141	.043	.248	.136	.042	.236	.130	.040	
4.0	.257	.133	.039	.250	.131	.039	.238	.126	.038	.226	.121	.037	.216	.117	.036	
5.0	.236	.120	.035	.230	.118	.034	.218	.114	.033	.208	.110	.033	.198	.106	.032	
6.0	.217	.109	.031	.212	.107	.031	.202	.103	.030	.192	.100	.029	.184	.097	.029	
7.0	.201	.100	.028	.197	.098	.028	.187	.095	.027	.179	.092	.027	.171	.089	.026	
8.0	.188	.092	.026	.183	.090	.025	.175	.087	.025	.167	.085	.024	.160	.082	.024	
9.0	.175	.085	.024	.171	.084	.023	.164	.081	.023	.157	.079	.022	.150	.076	.022	
10.0	.165	.079	.022	.161	.078	.022	.154	.075	.021	.148	.073	.021	.141	.071	.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	.243	.243	.243	.207	.207	.207	.142	.142	.142	.081	.081	.081	.026	.026	.026	
1.0	.235	.208	.184	.201	.179	.159	.138	.123	.110	.079	.071	.064	.025	.023	.021	
2.0	.228	.185	.149	.195	.159	.129	.134	.110	.090	.077	.064	.053	.025	.021	.017	
3.0	.220	.168	.126	.189	.145	.109	.129	.100	.077	.075	.059	.045	.024	.019	.015	
4.0	.212	.155	.111	.182	.134	.096	.125	.093	.068	.072	.055	.040	.023	.018	.013	
5.0	.205	.145	.100	.176	.125	.087	.121	.087	.062	.070	.051	.036	.023	.017	.012	
6.0	.197	.136	.093	.170	.118	.081	.117	.083	.057	.068	.049	.034	.022	.016	.011	
7.0	.190	.130	.087	.164	.112	.076	.113	.079	.054	.066	.046	.032	.021	.015	.011	
8.0	.184	.124	.083	.158	.107	.072	.109	.075	.051	.064	.044	.030	.021	.015	.010	
9.0	.178	.119	.079	.153	.103	.069	.106	.073	.049	.062	.043	.029	.020	.014	.010	
10.0	.172	.115	.077	.148	.100	.067	.103	.070	.047	.060	.041	.028	.019	.014	.009	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators:Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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	17.6	19.1	18.0	19.4	19.7	17.9	19.4	18.3	19.7	20.0
3H	19.3	20.6	19.7	21.0	21.4	19.7	21.0	20.1	21.4	21.8
4H	20.1	21.4	20.5	21.8	22.2	20.5	21.8	21.0	22.2	22.6
6H	20.9	22.1	21.3	22.5	22.9	21.4	22.6	21.8	23.0	23.4
8H	21.3	22.4	21.7	22.9	23.3	21.8	23.0	22.3	23.4	23.9
12H	21.7	22.8	22.2	23.3	23.7	22.3	23.4	22.8	23.9	24.3
4H 2H	18.3	19.6	18.7	19.9	20.4	18.5	19.8	18.9	20.2	20.6
3H	20.2	21.3	20.6	21.7	22.2	20.5	21.6	21.0	22.0	22.5
4H	21.1	22.2	21.6	22.6	23.1	21.5	22.5	22.0	23.0	23.5
6H	22.1	23.0	22.6	23.5	24.0	22.5	23.5	23.0	23.9	24.5
8H	22.6	23.4	23.1	23.9	24.5	23.1	23.9	23.6	24.4	25.0
12H	23.1	23.9	23.7	24.4	25.0	23.7	24.5	24.2	25.0	25.5
8H 4H	21.5	22.4	22.0	22.9	23.4	21.9	22.7	22.4	23.2	23.8
6H	22.7	23.5	23.3	24.0	24.6	23.1	23.9	23.7	24.4	25.0
8H	23.4	24.0	24.0	24.6	25.2	23.8	24.5	24.4	25.0	25.6
12H	24.1	24.7	24.7	25.3	25.9	24.6	25.2	25.2	25.8	26.4
12H 4H	21.6	22.4	22.1	22.9	23.5	21.9	22.7	22.4	23.2	23.8
6H	22.9	23.5	23.5	24.1	24.7	23.3	23.9	23.8	24.5	25.1
8H	23.6	24.2	24.2	24.8	25.4	24.1	24.6	24.6	25.2	25.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 2643 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

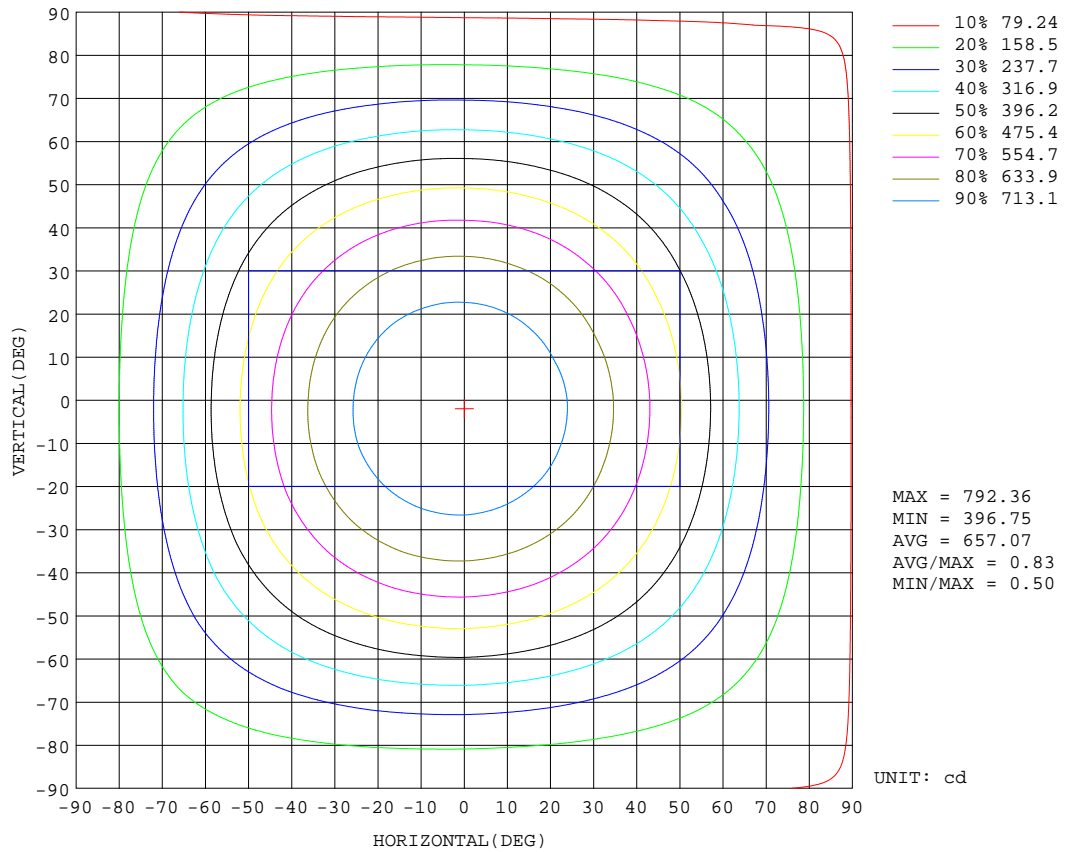
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	41	35	51	41	34	28
0.80	63	51	44	62	51	43	60	50	43	35
1.00	72	60	52	70	59	52	67	60	51	43
1.25	79	67	59	77	66	59	73	64	58	50
1.50	84	73	65	81	72	64	78	69	63	54
2.00	91	81	74	88	79	73	84	76	71	61
2.50	95	86	79	92	84	78	87	81	75	65
3.00	98	90	84	95	88	82	90	84	80	69
4.00	102	96	90	99	93	88	94	89	85	74
5.00	105	99	94	102	97	92	96	92	88	77
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:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

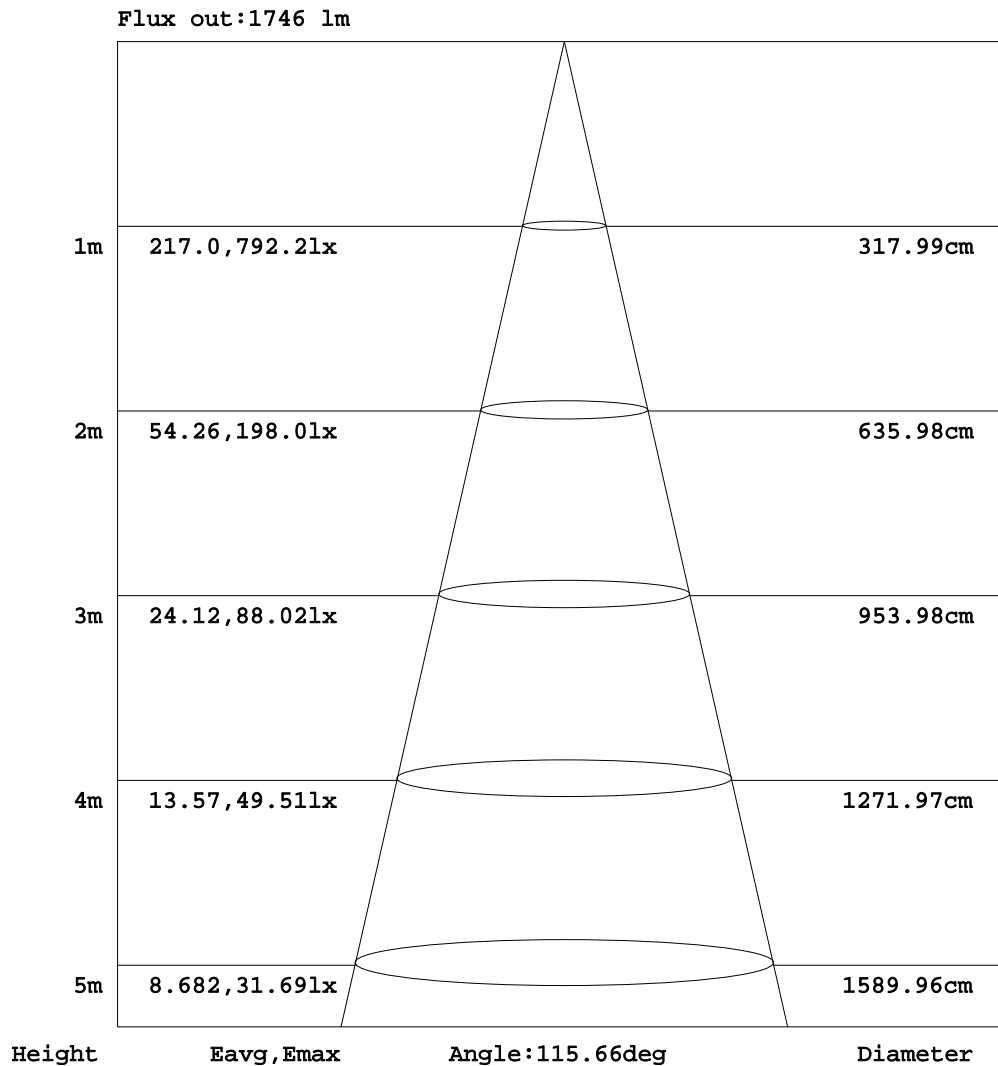


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



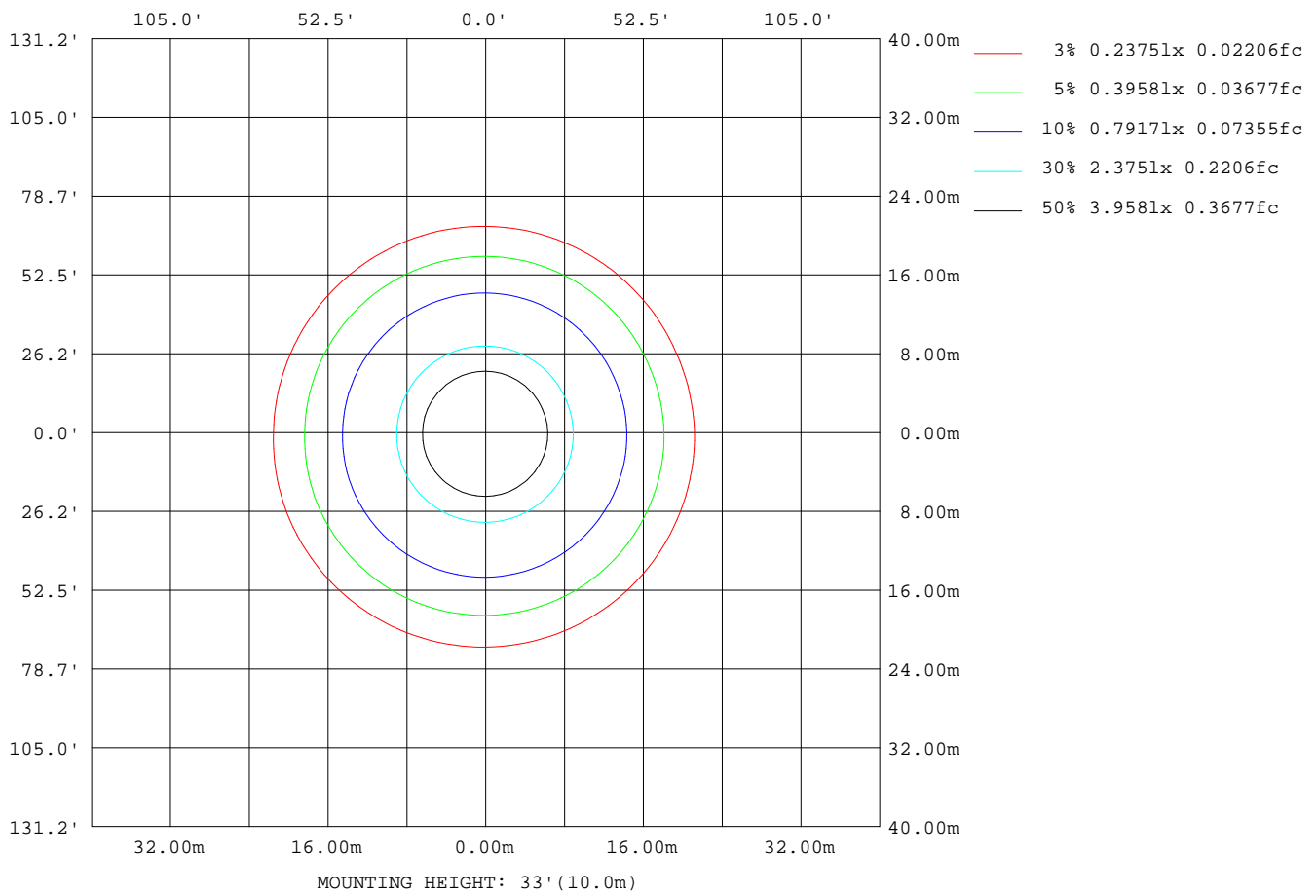
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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: HIGH
 Temperature:25.8DEG
 Operators:Bomb
 Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

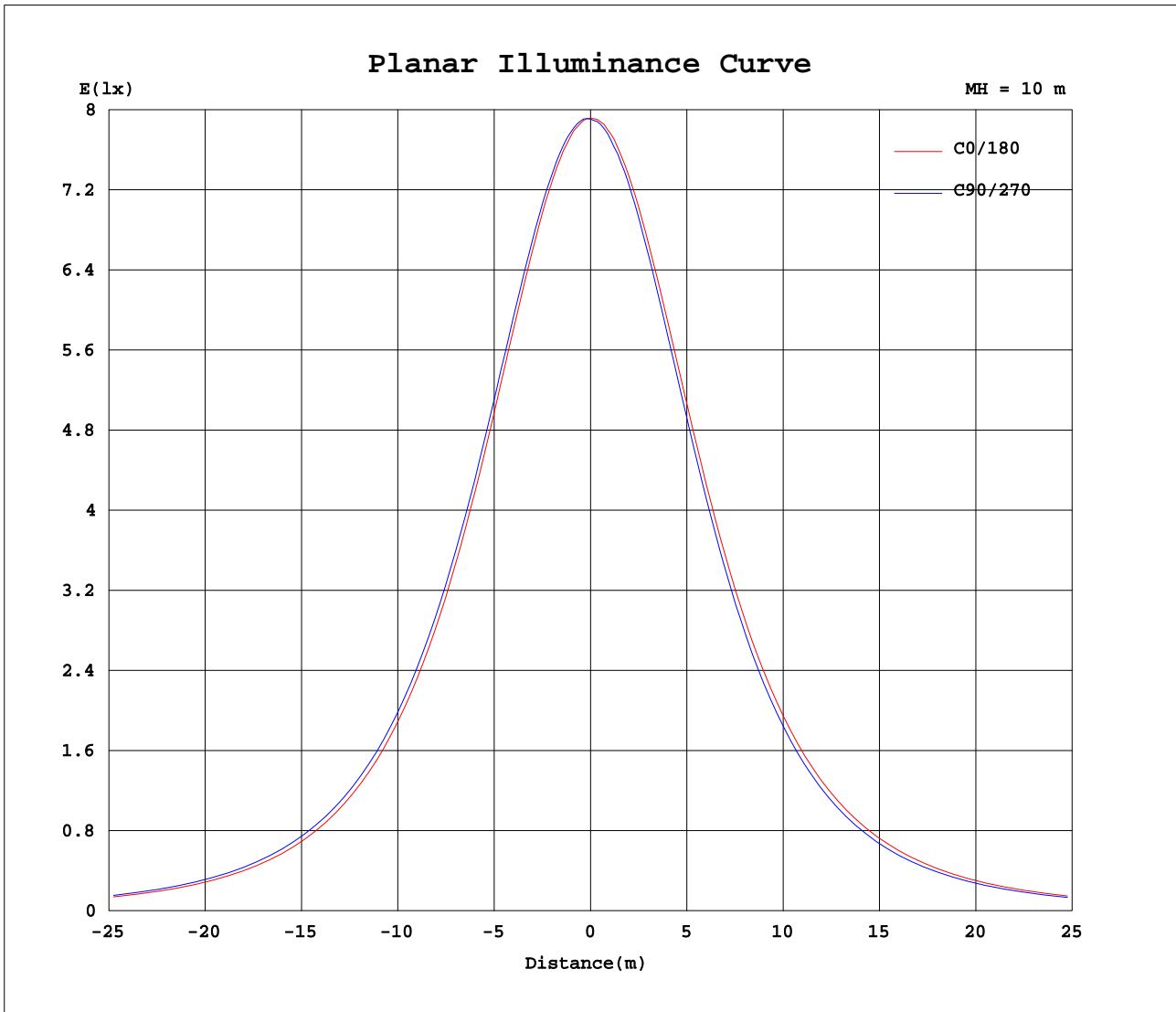
AvgL	cd/m2
L_0~180(65)av	4435
L_0~180(75)av	4643
L_0~180(85)av	7846
L_90~270(65)av	4436
L_90~270(75)av	4652
L_90~270(85)av	7865
L_45(65)av	4430
L_45(75)av	4645
L_45(85)av	7850

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.8DEG
Operators:Bomb
Test Date:2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:42%
Test Distance:2.532m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators: Bomb
 Test Date: 2022-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 2.532m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2458A P:28.73W PF:0.9741 Lamp Flux:2458x1 lm		
NAME: ASD-LFMDR-MV-18D28CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791			
5	787	787	788	790	791	791	792	790	789	787	787	786	786	785	786	785			
10	776	777	778	782	784	783	785	783	780	778	776	774	774	772	772	773			
15	759	761	763	767	770	771	771	770	766	761	759	756	754	753	753	754			
20	734	739	742	747	749	752	752	751	745	740	735	732	729	728	728	729			
25	706	709	715	720	724	725	726	723	717	712	706	702	699	696	698	699			
30	670	674	681	687	692	693	693	692	684	677	671	666	662	660	660	662			
35	630	635	641	648	654	656	657	653	645	637	629	624	620	617	618	621			
40	584	590	597	605	610	612	614	609	599	592	584	577	572	570	572	574			
45	534	540	548	556	561	564	564	561	550	542	533	527	522	519	521	523			
50	480	486	494	502	509	511	512	508	496	488	479	472	467	465	466	468			
55	422	428	437	446	452	455	455	451	439	431	421	414	409	406	407	410			
60	362	369	377	385	392	395	395	391	380	371	362	355	349	347	348	351			
65	302	308	316	324	331	334	334	330	319	310	301	295	290	288	288	291			
70	244	250	257	265	271	273	274	270	260	252	244	238	233	232	232	235			
75	192	197	203	210	215	218	218	215	206	199	193	187	183	182	183	185			
80	147	152	156	162	167	169	169	166	158	153	147	142	139	138	138	140			
85	109	113	117	121	125	127	127	125	117	112	108	104	102	101	102	103			
90	77.4	80.2	83.4	86.6	89.6	91.6	91.7	89.6	83.6	79.4	76.0	73.6	72.0	71.3	71.6	72.7			
95	53.3	55.2	57.2	60.1	62.4	63.7	63.6	61.8	57.1	54.1	52.1	50.4	49.6	49.4	49.6	50.8			
100	39.2	40.0	41.3	42.4	43.4	44.2	43.7	42.6	40.4	38.3	37.8	37.1	36.9	37.1	37.0	37.7			
105	35.2	35.3	35.4	35.2	35.0	34.9	34.4	33.9	33.5	33.1	33.7	34.1	34.5	34.8	34.9	35.1			
110	34.6	34.7	34.8	34.7	34.4	34.0	33.6	33.2	32.8	32.3	32.8	33.1	33.3	33.5	33.7	34.1			
115	32.6	33.1	33.4	33.4	33.0	32.5	31.8	31.0	30.4	30.2	30.4	30.6	30.6	30.9	31.2	31.8			
120	29.8	30.4	30.8	30.9	30.5	30.0	29.3	28.4	27.8	27.6	27.8	27.8	27.7	27.9	28.4	28.9			
125	26.7	28.0	27.9	28.1	27.6	27.0	26.4	25.4	24.9	24.7	25.4	24.6	24.5	24.6	25.0	25.7			
130	23.5	24.3	24.7	25.0	24.6	24.0	23.2	22.2	21.8	21.4	21.1	21.0	20.8	21.0	21.4	22.3			
135	19.9	20.8	21.4	21.4	21.2	20.5	19.9	19.0	18.2	17.7	19.7	17.3	17.0	17.1	17.5	18.6			
140	16.2	17.8	17.3	17.8	17.6	16.8	16.2	15.2	15.4	13.9	13.5	13.4	13.2	13.1	13.6	14.6			
145	12.5	13.2	13.5	14.0	14.0	13.2	12.5	12.0	10.6	10.2	9.80	11.0	9.28	9.38	9.49	10.7			
150	9.16	9.98	9.97	10.3	10.4	9.94	9.33	8.74	7.74	7.37	7.19	6.92	6.83	6.92	6.94	7.49			
155	7.20	7.31	7.18	7.34	7.34	7.31	7.27	6.57	5.60	5.54	5.32	5.10	4.45	4.99	4.79	5.58			
160	5.73	5.21	5.36	5.38	5.33	5.33	5.77	4.79	3.99	4.11	4.00	3.93	3.38	3.14	4.07	4.07			
165	4.44	3.97	3.88	4.09	4.01	4.01	4.00	3.50	3.10	3.23	3.13	3.21	2.84	2.41	3.14	3.01			
170	3.13	3.06	2.61	3.41	3.39	3.34	3.28	2.34	2.66	2.68	2.74	2.82	2.16	2.52	2.28	2.48			
175	2.03	2.17	1.96	2.25	2.69	2.56	2.33	1.60	1.91	1.93	1.99	1.96	1.74	1.59	1.78	1.94			
180	1.29	1.30	1.30	1.18	0.89	0.82	1.02	1.16	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.31			

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