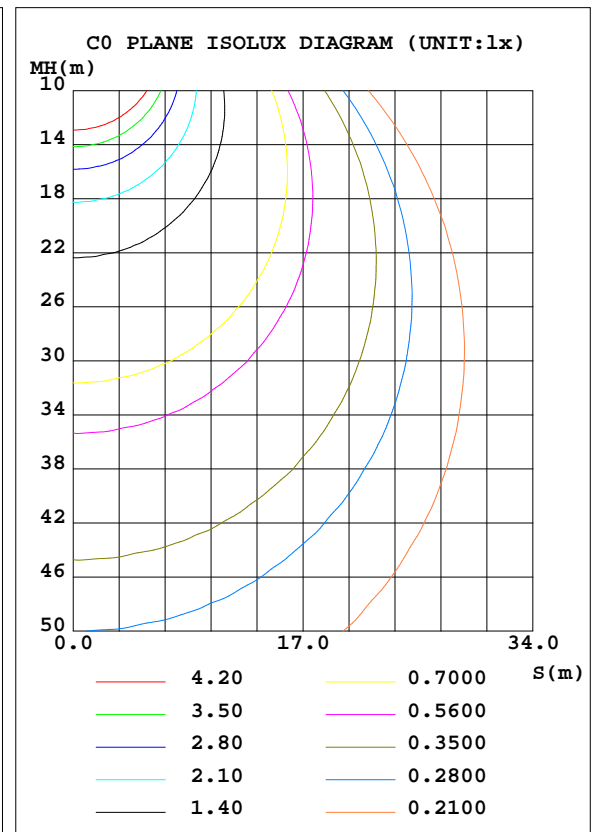
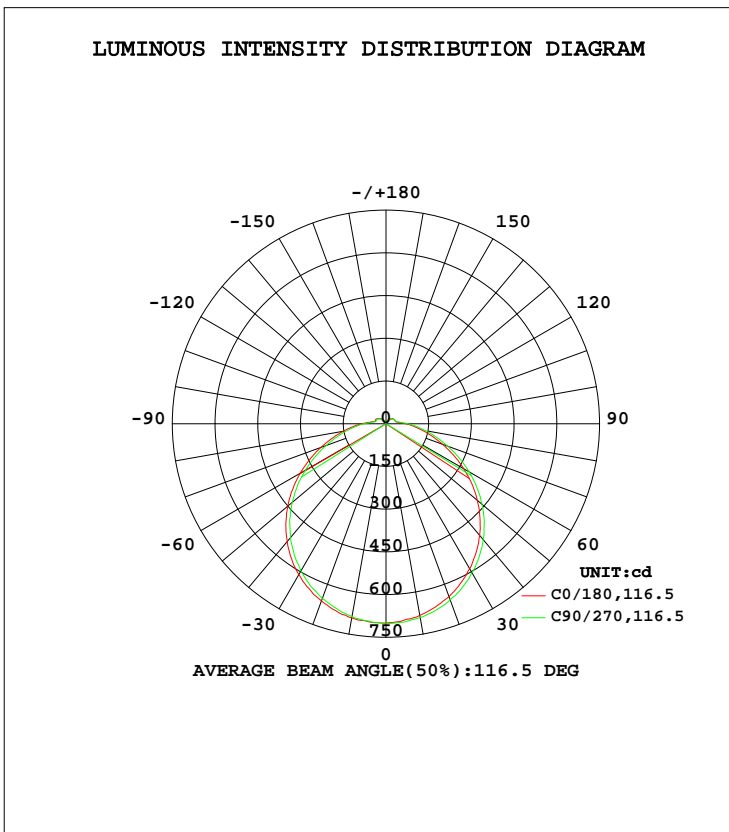


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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:89,83 lm/W			
MODEL ASD-LFMDR-MV-16D24CC-NK		Imax(cd)	702.8	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2118	η UP, DN(C0-180)	4.1,45.9
NOMINAL FLUX(lm)	2118	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.1,45.9
LAMPS INSIDE	1	η up(%)	8.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	91.8	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	692.1	690.0	688.0	685.3	683.3	685.3	691.0	694.1	0- 10	66.22	66.22	2.76,2.76
20	662.1	657.9	652.3	648.3	646.3	650.3	658.6	663.7	10- 20	190.3	256.5	10.7,10.7
30	611.3	605.0	596.8	590.1	588.0	595.1	604.5	612.5	20- 30	290.3	546.9	22.8,22.8
40	540.0	532.0	521.1	513.0	511.4	519.0	530.8	539.2	30- 40	353.7	900.5	37.6,37.6
50	450.3	441.2	430.3	421.1	418.3	428.0	440.5	448.5	40- 50	371.8	1272	53.1,53.1
60	347.7	339.2	326.9	317.6	315.0	323.8	337.2	345.5	50- 60	343.3	1616	67.4,67.4
70	242.9	235.7	224.0	214.6	211.8	219.5	230.8	239.5	60- 70	275.9	1892	78.9,78.9
80	152.4	147.8	139.0	130.0	127.3	133.4	141.8	149.3	70- 80	191.9	2083	86.9,86.9
90	85.85	83.46	77.71	70.78	69.32	73.39	77.89	83.30	80- 90	116.5	2200	91.8,91.8
100	44.71	44.04	41.40	37.90	37.89	39.40	40.44	43.26	90-100	61.86	2262	94.4,94.4
110	39.52	39.18	36.52	33.65	34.20	34.58	34.33	37.09	100-110	39.11	2301	96,96
120	35.85	35.57	33.58	31.22	32.06	32.30	31.87	34.08	110-120	34.79	2336	97.5,97.5
130	28.21	28.13	26.92	26.76	27.10	27.17	25.98	27.12	120-130	27.22	2363	98.6,98.6
140	18.65	18.83	19.29	19.14	21.72	20.63	19.23	18.83	130-140	18.11	2381	99.4,99.4
150	10.00	10.71	11.84	12.08	15.32	13.49	10.88	11.14	140-150	9.692	2391	99.8,99.8
160	4.716	5.743	7.759	6.474	6.647	6.884	6.386	6.289	150-160	4.178	2395	99.9,99.9
170	3.281	2.700	4.037	3.932	3.585	3.489	3.041	3.045	160-170	1.321	2396	100,100
180	1.156	1.126	1.127	0.7737	1.172	1.167	1.167	1.159	170-180	0.2363	2397	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1087.1 lm

%lum = 45.4%

%lamp = 45.4%

Conical surface Flux(120deg): 1615.6 lm

%lum = 67.4%

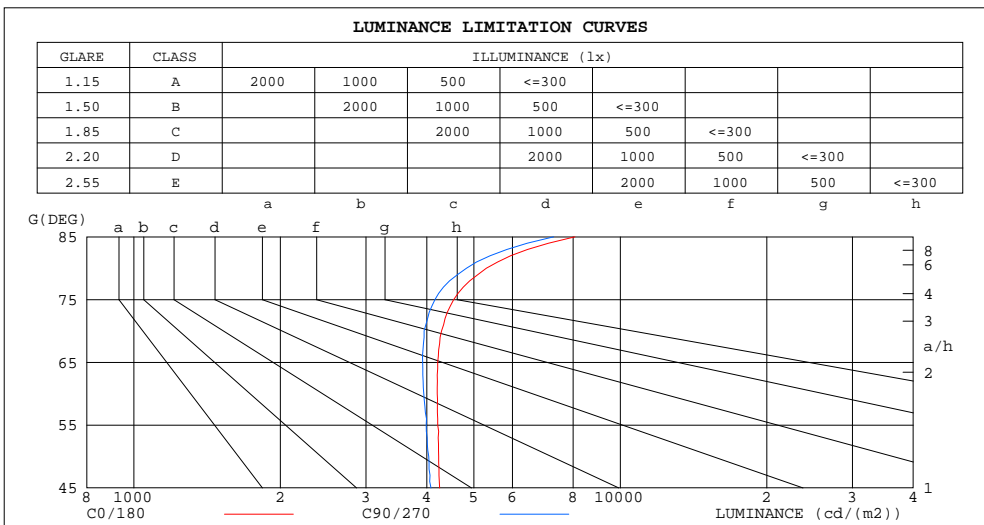
%lamp = 67.4%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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	8063	7290
80	5303	4828
75	4545	4159
70	4291	3951
65	4214	3922
60	4202	3945
55	4211	3990
50	4232	4039
45	4251	4081

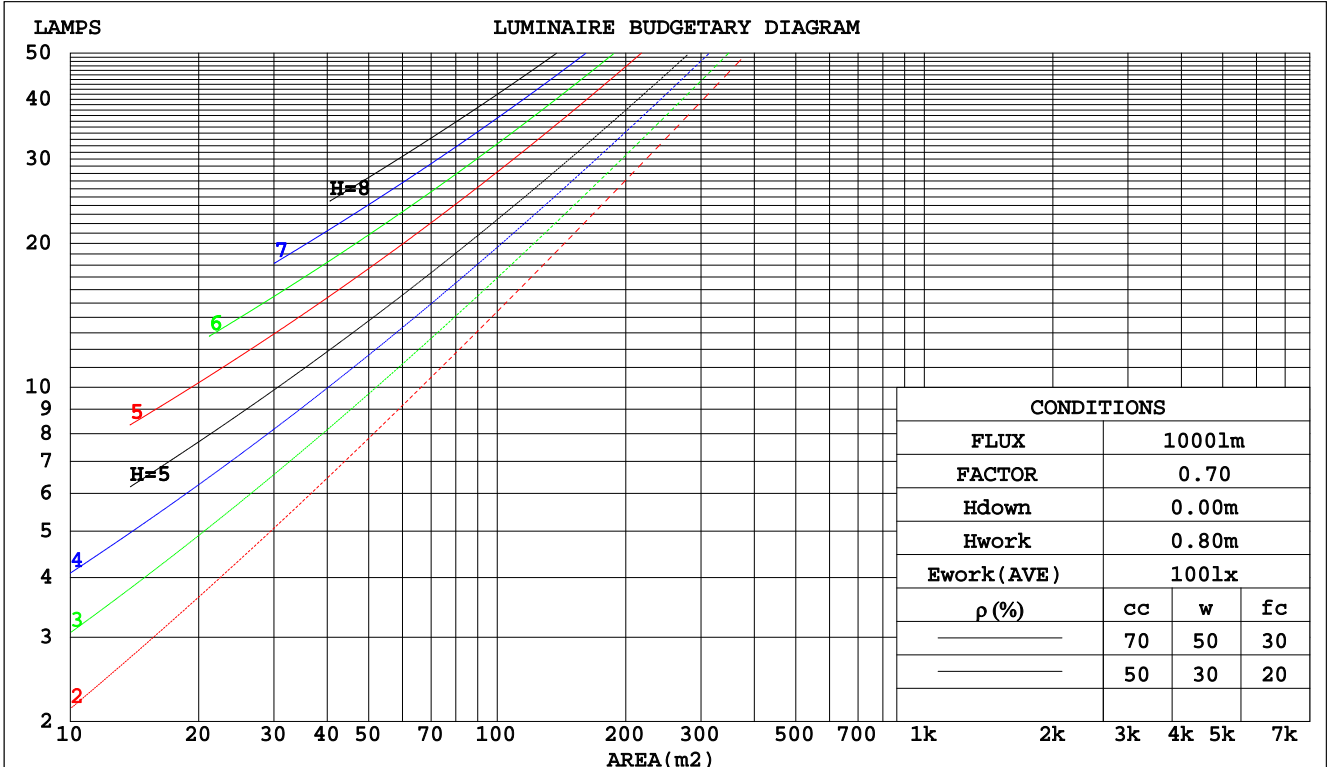
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																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	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	.00	.95	.91	.97	.93	.89	.91	.87	.84	.86	.83	.80	.81	.79	.76	.74
2.0	.86	.79	.73	.84	.77	.71	.79	.73	.68	.74	.70	.66	.70	.66	.63	.60
3.0	.76	.67	.60	.73	.65	.59	.69	.62	.57	.65	.60	.55	.62	.57	.53	.50
4.0	.67	.58	.51	.65	.56	.50	.61	.54	.48	.58	.52	.47	.55	.49	.45	.43
5.0	.59	.50	.43	.58	.49	.43	.55	.47	.41	.52	.45	.40	.49	.44	.39	.37
6.0	.53	.44	.38	.52	.43	.37	.49	.42	.36	.47	.40	.35	.44	.39	.34	.32
7.0	.48	.39	.33	.47	.39	.33	.45	.37	.32	.43	.36	.31	.41	.35	.30	.28
8.0	.44	.35	.29	.43	.35	.29	.41	.34	.28	.39	.32	.28	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.38	.30	.26	.36	.30	.25	.34	.29	.24	.22
10.0	.37	.29	.24	.36	.29	.24	.35	.28	.23	.33	.27	.23	.32	.26	.22	.20



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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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	.347	.197	.062	.337	.192	.061	.319	.183	.058	.302	.174	.056	.287	.166	.054	
2.0	.311	.171	.052	.303	.167	.051	.287	.159	.049	.272	.152	.048	.258	.146	.046	
3.0	.282	.150	.045	.274	.147	.044	.260	.141	.043	.246	.135	.041	.234	.129	.040	
4.0	.257	.134	.039	.250	.131	.039	.237	.126	.038	.225	.121	.036	.214	.116	.035	
5.0	.236	.120	.035	.229	.118	.034	.218	.113	.033	.207	.109	.032	.196	.105	.032	
6.0	.217	.109	.031	.212	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028	
7.0	.201	.100	.028	.196	.098	.028	.187	.094	.027	.178	.091	.026	.169	.088	.026	
8.0	.187	.092	.026	.183	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.175	.085	.024	.171	.083	.023	.163	.081	.023	.156	.078	.022	.148	.075	.022	
10.0	.164	.079	.022	.161	.078	.022	.153	.075	.021	.146	.073	.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	.253	.253	.253	.216	.216	.216	.148	.148	.148	.085	.085	.085	.027	.027	.027	
1.0	.246	.219	.194	.210	.188	.167	.144	.129	.116	.083	.075	.067	.027	.024	.022	
2.0	.238	.195	.159	.204	.168	.137	.140	.116	.096	.081	.068	.056	.026	.022	.018	
3.0	.231	.178	.136	.198	.154	.118	.136	.107	.083	.078	.062	.049	.025	.020	.016	
4.0	.223	.165	.121	.191	.143	.105	.131	.099	.074	.076	.058	.044	.024	.019	.014	
5.0	.215	.155	.111	.185	.134	.096	.127	.094	.068	.074	.055	.040	.024	.018	.013	
6.0	.208	.147	.103	.179	.127	.090	.123	.089	.064	.072	.052	.038	.023	.017	.012	
7.0	.201	.140	.097	.173	.121	.085	.119	.085	.060	.069	.050	.036	.022	.016	.012	
8.0	.194	.134	.093	.167	.117	.081	.116	.082	.058	.067	.048	.034	.022	.016	.011	
9.0	.188	.130	.090	.162	.112	.078	.112	.079	.056	.065	.047	.033	.021	.015	.011	
10.0	.182	.125	.087	.157	.109	.076	.109	.077	.054	.064	.045	.032	.021	.015	.011	

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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm										
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K					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	17.4	18.9	17.8	19.2	19.6	17.2	18.6	17.6	19.0	19.4
3H	19.2	20.6	19.6	21.0	21.4	18.9	20.3	19.3	20.6	21.0
4H	20.1	21.4	20.5	21.8	22.2	19.7	21.0	20.2	21.4	21.9
6H	21.0	22.2	21.4	22.6	23.1	20.6	21.8	21.0	22.2	22.6
8H	21.4	22.6	21.9	23.0	23.5	21.0	22.2	21.5	22.6	23.1
12H	22.0	23.1	22.4	23.5	24.0	21.5	22.6	22.0	23.0	23.5
4H 2H	18.0	19.3	18.5	19.7	20.1	17.9	19.1	18.3	19.5	20.0
3H	20.1	21.2	20.5	21.6	22.1	19.8	20.9	20.3	21.4	21.8
4H	21.1	22.1	21.6	22.6	23.1	20.8	21.8	21.3	22.3	22.8
6H	22.2	23.1	22.7	23.6	24.1	21.8	22.7	22.3	23.2	23.8
8H	22.7	23.6	23.3	24.1	24.7	22.3	23.2	22.9	23.7	24.3
12H	23.4	24.1	23.9	24.7	25.2	22.9	23.7	23.5	24.2	24.8
8H 4H	21.5	22.3	22.0	22.8	23.4	21.2	22.1	21.8	22.6	23.1
6H	22.8	23.5	23.4	24.1	24.7	22.5	23.2	23.0	23.7	24.3
8H	23.5	24.2	24.1	24.7	25.4	23.2	23.8	23.8	24.4	25.0
12H	24.4	24.9	25.0	25.5	26.1	24.0	24.5	24.6	25.1	25.8
12H 4H	21.5	22.3	22.1	22.9	23.4	21.3	22.1	21.8	22.6	23.2
6H	22.9	23.6	23.5	24.1	24.8	22.7	23.3	23.2	23.9	24.5
8H	23.8	24.3	24.4	24.9	25.6	23.4	24.0	24.0	24.6	25.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2397 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.0)

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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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

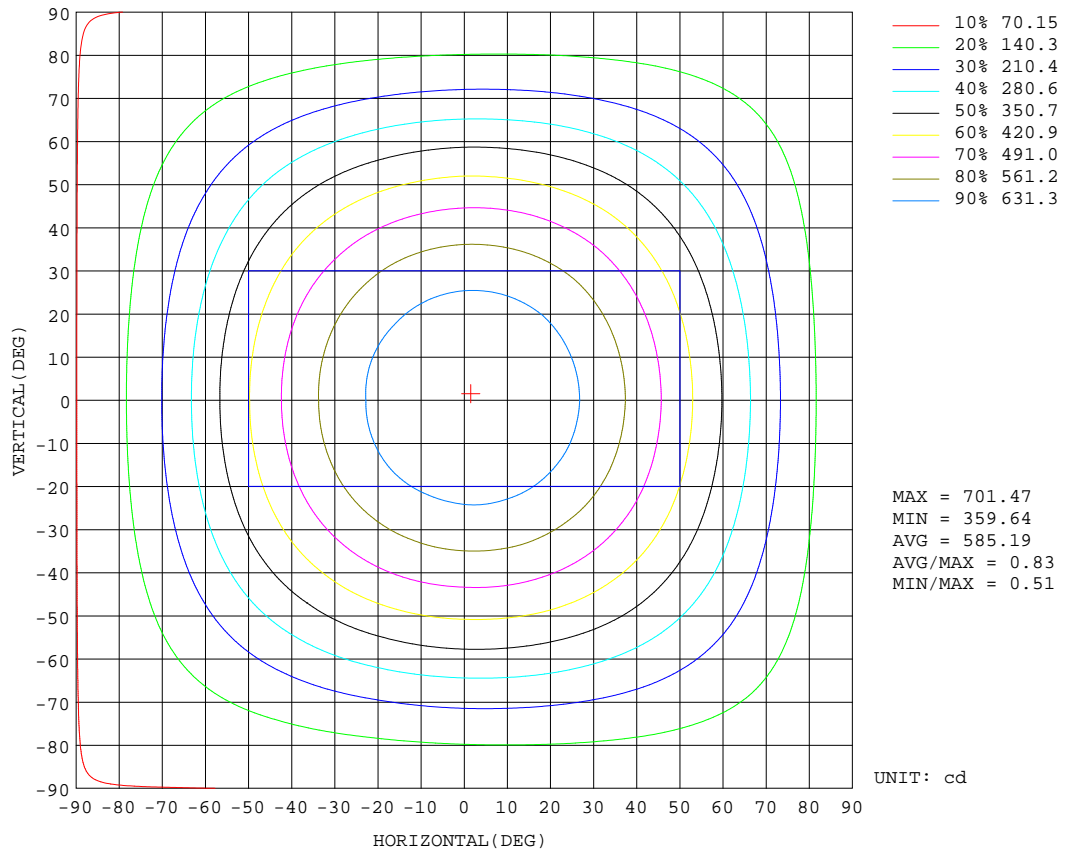
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	34	27
0.80	63	51	43	62	50	43	59	49	42	35
1.00	71	59	51	69	58	51	67	59	50	42
1.25	78	66	59	76	65	58	73	63	57	49
1.50	83	72	64	81	71	64	77	68	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	85	78	91	83	77	86	80	74	64
3.00	98	90	83	95	88	82	89	84	79	68
4.00	102	95	90	99	93	88	93	88	84	73
5.00	105	99	94	101	96	92	95	91	88	76
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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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

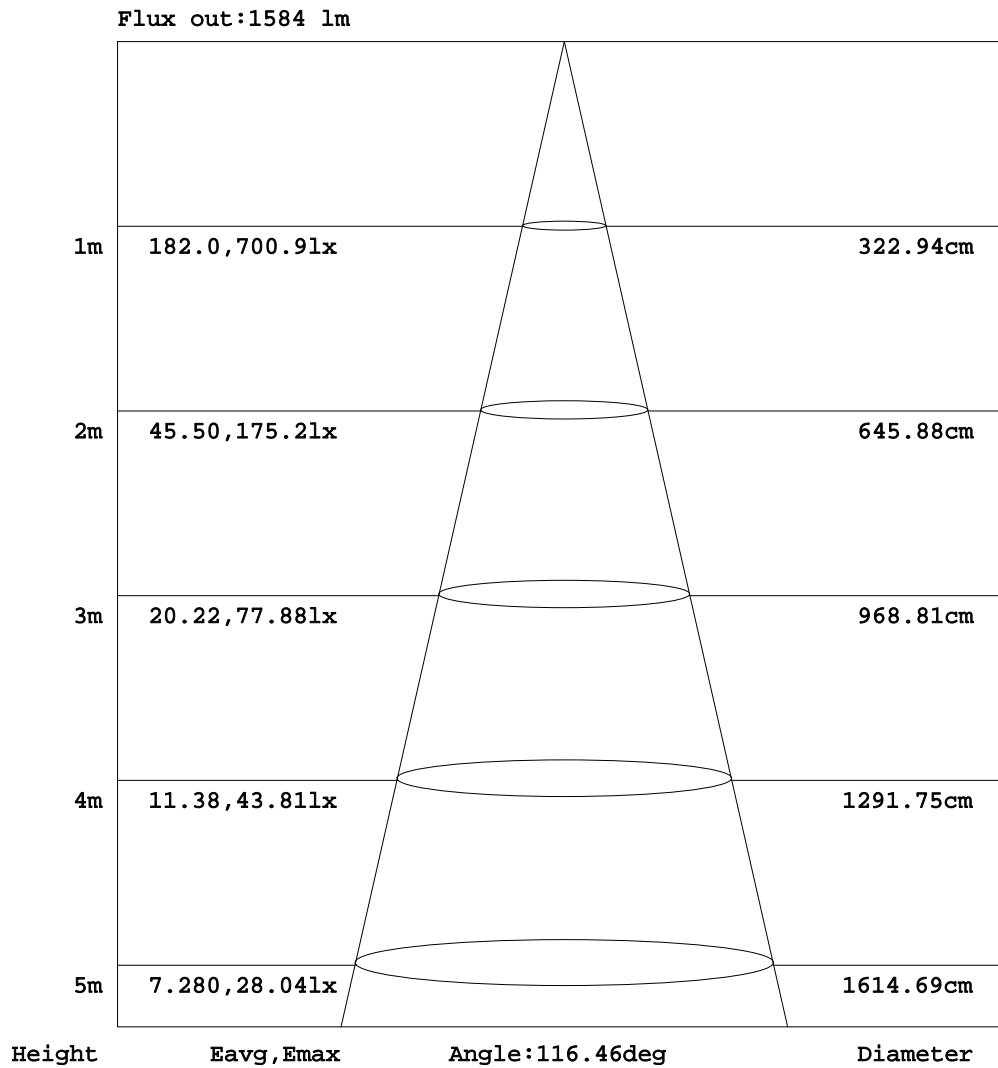


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.8DEG
 Operators: Bomb
 Test Date:2022-09-29

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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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



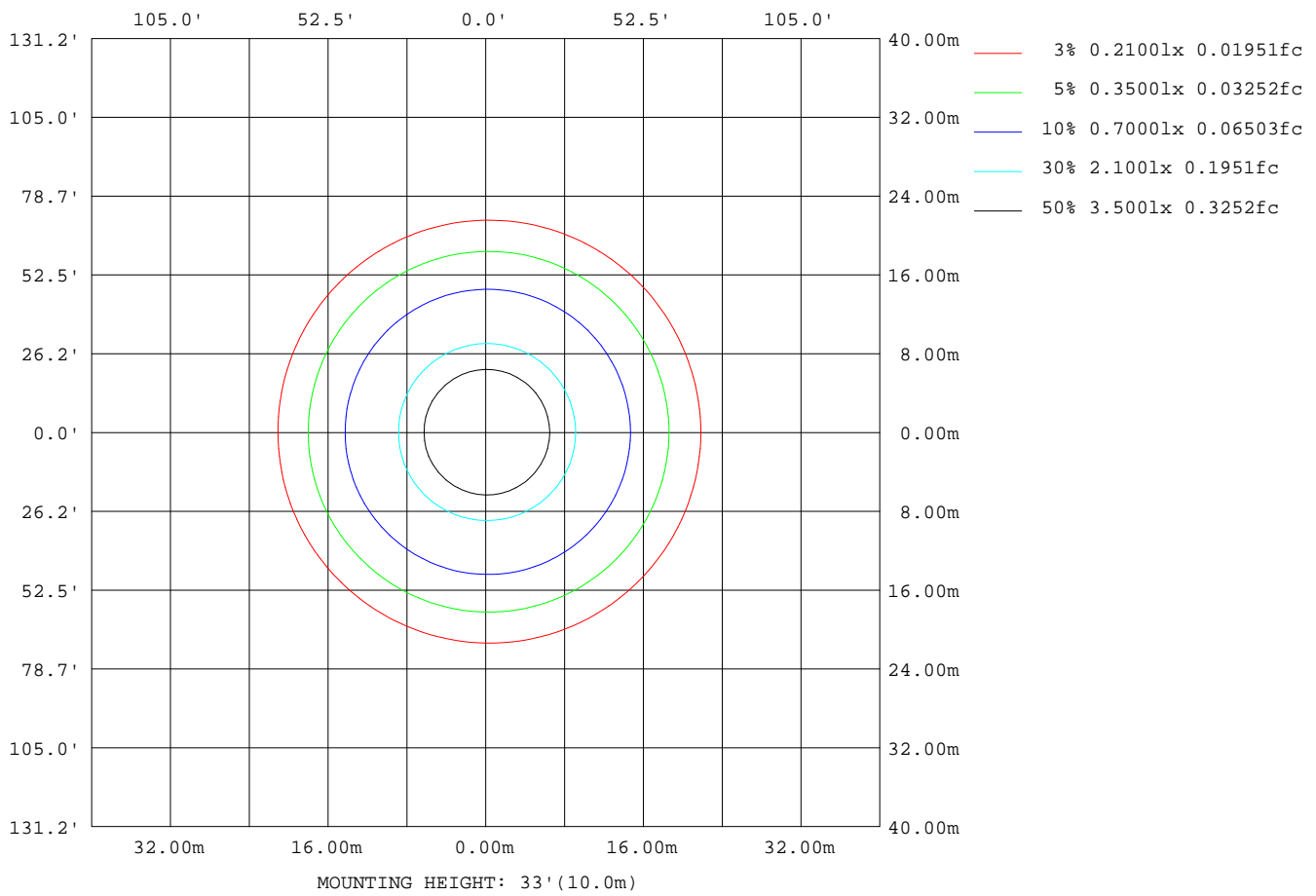
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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

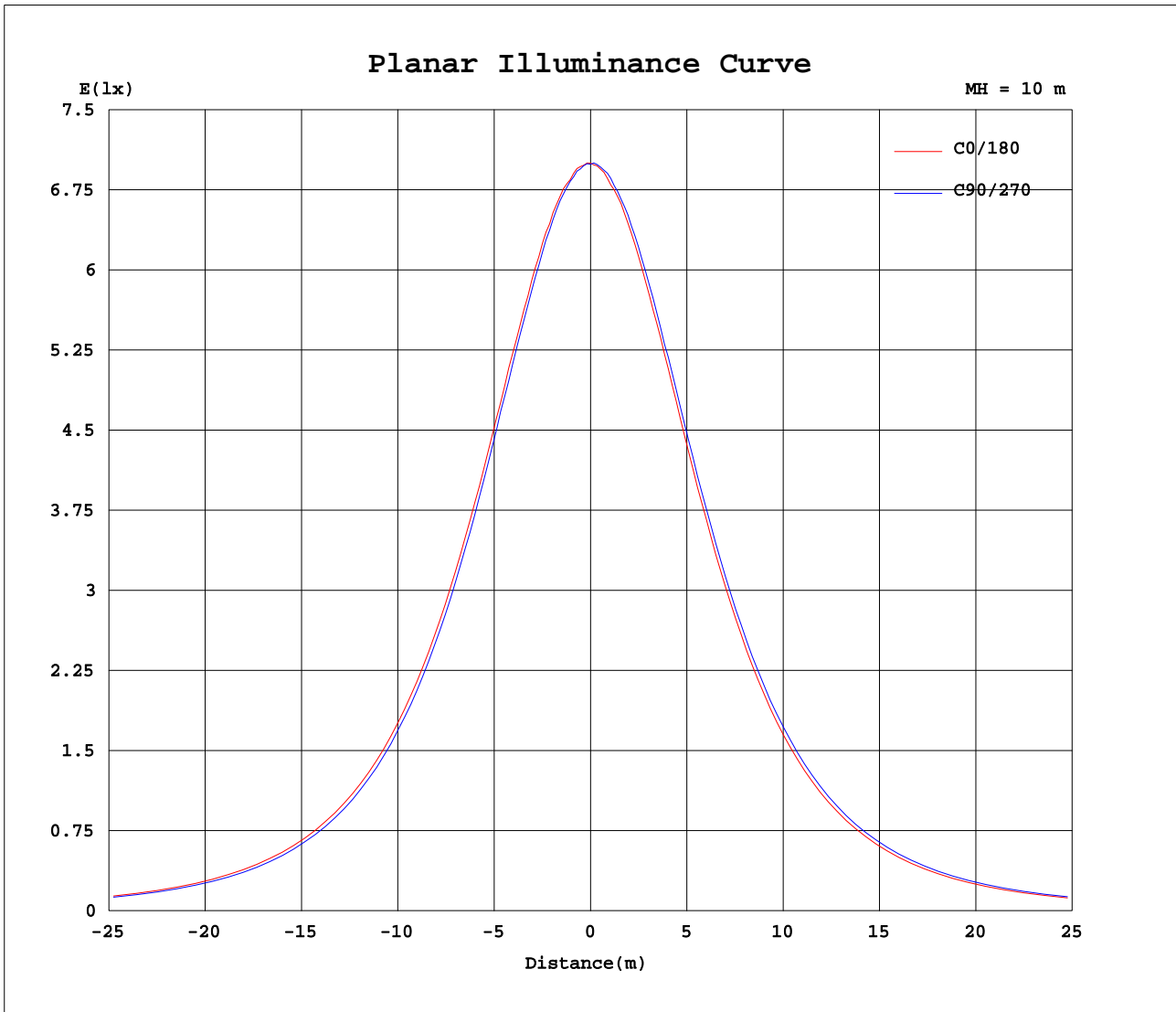
AvgL	cd/m2
L_0~180(65)av	3981
L_0~180(75)av	4217
L_0~180(85)av	7339
L_90~270(65)av	3986
L_90~270(75)av	4224
L_90~270(85)av	7348
L_45(65)av	3978
L_45(75)av	4216
L_45(85)av	7342

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:0.2000A P:23.58W PF:0.9822 Lamp Flux:2118x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-NK 4000K	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	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700			
5	698	699	697	696	696	696	697	695	693	695	696	696	699	698	700	699			
10	692	691	690	685	688	685	685	684	683	685	685	686	691	691	694	692			
15	680	679	675	673	672	670	669	667	667	669	671	673	677	677	681	680			
20	662	661	658	654	652	649	648	647	646	649	650	653	659	661	664	663			
25	639	638	635	629	629	623	623	620	619	622	624	628	634	638	640	639			
30	611	609	605	600	597	592	590	588	588	591	595	598	604	608	612	613			
35	579	576	572	566	561	556	554	552	552	555	559	564	570	574	577	577			
40	540	537	532	524	521	516	513	512	511	514	519	524	531	534	539	539			
45	498	494	488	481	478	472	469	468	466	470	475	480	488	493	496	496			
50	450	447	441	435	430	424	421	419	418	422	428	432	440	445	449	448			
55	400	396	391	385	379	373	370	369	369	372	378	382	389	395	399	399			
60	348	345	339	333	327	321	318	315	315	318	324	329	337	342	345	346			
65	295	292	286	281	275	269	265	262	262	266	270	276	283	288	292	293			
70	243	240	236	230	224	218	215	212	212	214	220	225	231	236	240	241			
75	195	193	189	183	178	172	169	167	167	170	174	178	184	188	191	193			
80	152	151	148	143	139	133	130	128	127	130	133	137	142	146	149	151			
85	116	115	113	109	105	100	97.3	96.1	95.5	97.5	101	104	107	110	113	114			
90	85.8	85.0	83.5	80.6	77.7	73.7	70.8	69.7	69.3	71.0	73.4	75.5	77.9	80.6	83.3	83.9			
95	61.3	60.7	59.3	58.0	55.6	52.5	50.2	49.2	49.7	50.6	52.6	53.6	55.2	57.1	59.2	60.0			
100	44.7	44.3	44.0	42.6	41.4	39.7	37.9	37.6	37.9	38.1	39.4	39.6	40.4	42.3	43.3	44.1			
105	39.3	39.5	39.1	37.6	36.3	34.8	33.8	33.7	34.4	34.3	34.9	34.5	34.6	35.7	37.1	38.4			
110	39.5	39.7	39.2	37.7	36.5	34.8	33.6	33.5	34.2	34.2	34.6	34.2	34.3	35.5	37.1	38.5			
115	38.6	38.5	38.2	36.8	35.7	34.0	32.9	32.7	33.5	33.5	33.9	33.4	33.6	34.6	36.3	37.6			
120	35.9	35.8	35.6	34.4	33.6	32.3	31.2	31.1	32.1	32.2	32.3	31.9	31.9	32.8	34.1	34.6			
125	32.4	32.2	32.0	31.2	30.3	29.4	28.8	28.8	29.7	29.9	30.0	29.5	29.3	29.8	30.7	31.3			
130	28.2	28.0	28.1	27.3	26.9	26.3	26.8	25.9	27.1	27.2	27.2	26.3	26.0	26.3	27.1	27.5			
135	25.1	23.2	23.6	22.9	23.1	22.8	22.5	22.8	23.8	24.3	25.6	23.5	22.4	22.3	23.2	23.3			
140	18.7	18.2	18.8	18.1	19.3	19.5	19.1	20.4	21.7	20.9	20.6	19.6	19.2	18.6	18.8	18.5			
145	13.9	13.4	14.2	13.6	14.8	15.5	15.6	16.4	17.1	17.4	17.2	16.3	14.8	14.2	14.0	13.7			
150	10.0	9.68	10.7	10.5	11.8	12.6	12.1	12.9	15.3	13.7	13.5	13.0	10.9	11.1	11.1	9.77			
155	7.93	6.82	7.98	8.39	8.85	9.08	9.66	10.5	9.81	9.93	10.3	9.66	7.93	7.66	7.42	8.04			
160	4.72	4.59	5.74	6.24	7.76	7.11	6.47	6.73	6.65	6.64	6.88	6.88	6.39	5.78	6.29	5.00			
165	4.02	3.42	3.35	4.60	5.07	5.22	4.64	4.72	4.65	4.60	4.67	4.79	4.28	3.67	3.99	3.81			
170	3.28	2.81	2.70	3.60	4.04	3.99	3.93	3.62	3.58	3.56	3.49	3.42	3.04	1.76	3.04	3.01			
175	2.30	2.07	1.91	1.98	2.13	2.10	2.49	2.36	1.67	1.72	2.41	1.91	1.64	1.08	1.66	2.31			
180	1.16	1.16	1.13	1.12	1.13	1.14	0.77	1.15	1.17	1.17	1.17	1.17	1.17	1.16	1.16	1.15			

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