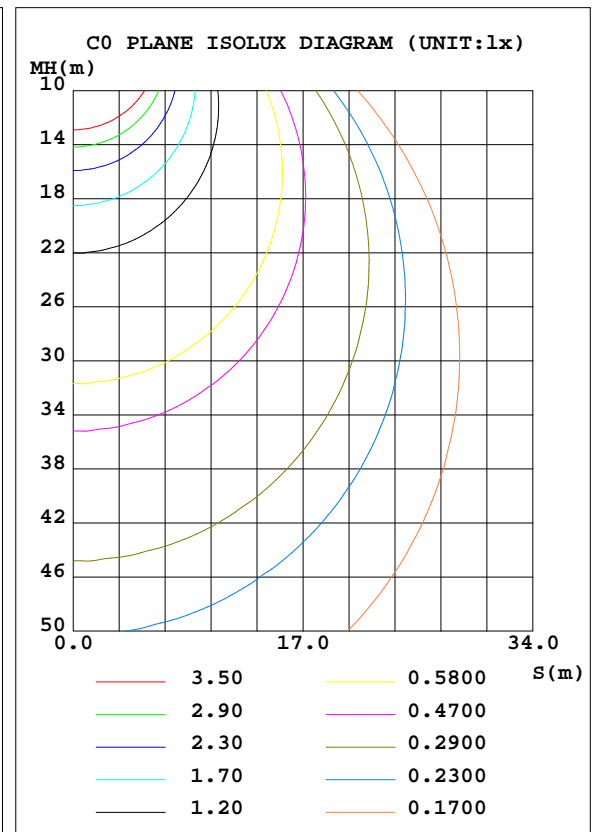
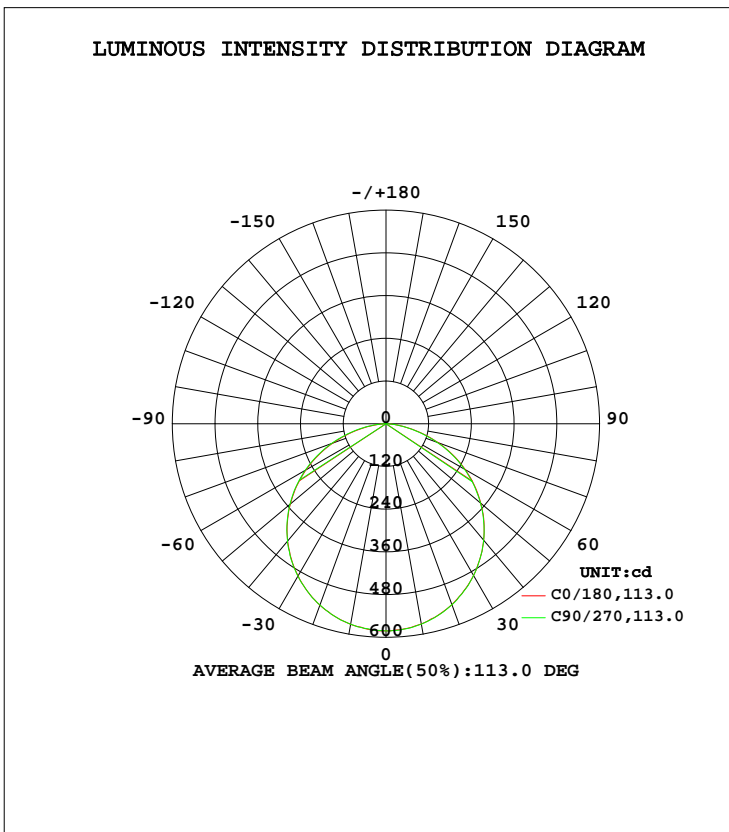


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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: 73.16 lm/W			
MODEL	ASD-MPR-9D18CC-EM-WH	I _{max} (cd)	582.8	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1412	η UP, DN(C0-180)	0.1,50.5
NOMINAL FLUX(lm)	1412	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [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	572.0	572.2	571.9	572.0	571.2	571.2	571.5	571.3	0- 10	55.05	55.05	3.31,3.31
20	542.5	542.6	542.1	543.3	541.1	541.1	541.3	540.5	10- 20	157.8	212.8	12.8,12.8
30	493.9	494.7	494.4	494.9	492.1	492.0	492.1	492.0	20- 30	239.5	452.3	27.2,27.2
40	430.1	430.4	430.5	431.1	426.9	427.0	426.7	426.3	30- 40	289.5	741.8	44.6,44.6
50	351.0	351.9	352.5	352.6	347.5	347.1	346.7	345.8	40- 50	301.2	1043	62.7,62.7
60	259.6	261.3	262.2	262.6	256.8	255.5	254.3	254.2	50- 60	272.6	1316	79.1,79.1
70	158.8	161.7	163.1	163.3	155.9	154.8	153.0	153.2	60- 70	206.4	1522	91.6,91.6
80	59.91	63.42	65.50	64.64	57.13	56.49	55.57	54.53	70- 80	113.2	1635	98.4,98.4
90	0.1038	0.1549	2.592	0.1379	0.0313	0.0324	0.0332	0.0332	80- 90	25.50	1661	99.9,99.9
100	0.1486	0.1626	0.1513	0.1610	0.0625	0.0755	0.0666	0.0744	90-100	0.1148	1661	99.9,99.9
110	0.1750	0.1846	0.1819	0.1857	0.1033	0.1116	0.1096	0.1086	100-110	0.1360	1661	99.9,99.9
120	0.2317	0.2330	0.2361	0.2380	0.1613	0.1587	0.1575	0.1579	110-120	0.1667	1661	99.9,99.9
130	0.3372	0.3406	0.3472	0.3477	0.2313	0.2249	0.2224	0.2223	120-130	0.2123	1661	99.9,99.9
140	0.5249	0.5653	0.5705	0.5534	0.2959	0.2975	0.2973	0.2926	130-140	0.2679	1662	99.9,99.9
150	0.7599	0.8432	0.8484	0.8216	0.3546	0.3658	0.3683	0.3631	140-150	0.3203	1662	100,100
160	0.9681	0.9979	1.011	1.011	0.4758	0.4713	0.4635	0.4574	150-160	0.3088	1662	100,100
170	0.9230	0.9234	0.9327	0.9405	0.5769	0.5481	0.5324	0.5455	160-170	0.2116	1662	100,100
180	0.7837	0.7412	0.7314	0.7886	0.7837	0.7652	0.7238	0.7506	170-180	0.0716	1663	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 893.52 lm

%lum = 53.7%

%lamp = 53.7%

Conical surface Flux(120deg): 1315.6 lm

%lum = 79.1%

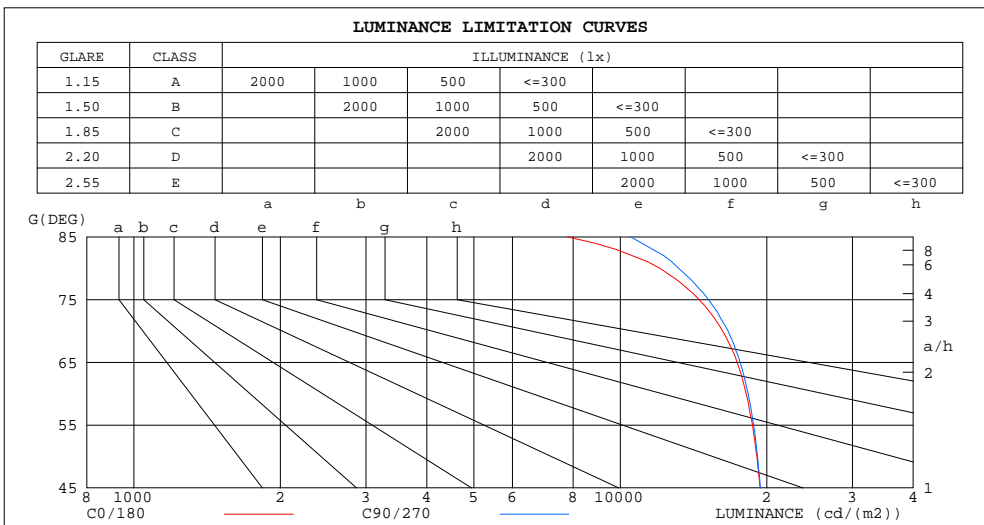
%lamp = 79.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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	7779	10501
80	12057	13170
75	14506	15171
70	16227	16651
65	17376	17629
60	18144	18307
55	18705	18781
50	19083	19144
45	19371	19405

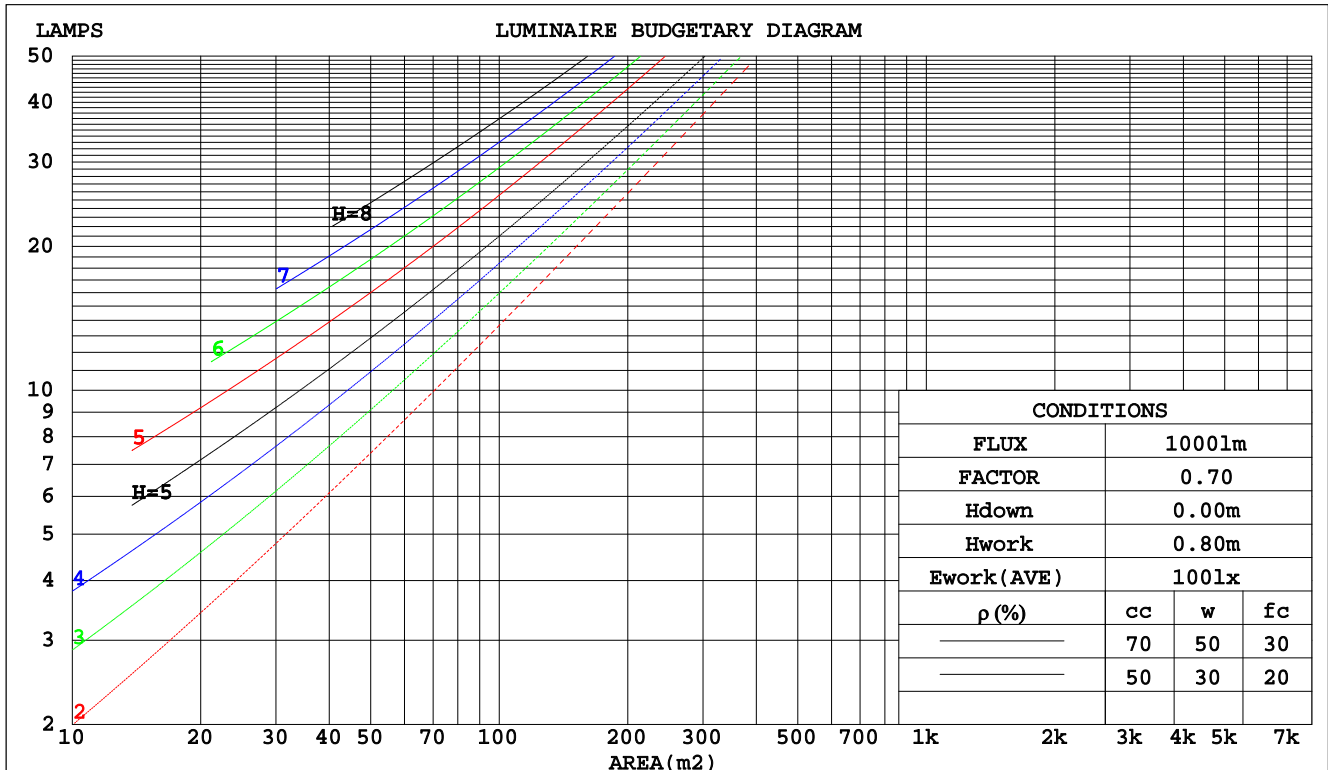
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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
	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	1.19	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	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.54	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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	.306	.174	.055	.299	.170	.054	.285	.164	.052	.273	.157	.051	.262	.152	.049	
2.0	.290	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045	
3.0	.269	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.248	.129	.038	.244	.127	.038	.234	.124	.037	.226	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.025	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.070	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm										
NAME: ASD-MPR-9D18CC-EM-WH 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	23.1	24.6	23.4	24.8	25.0	23.1	24.7	23.4	24.9	25.1
3H	24.6	26.0	24.9	26.2	26.5	24.7	26.1	25.0	26.3	26.5
4H	25.2	26.5	25.5	26.7	27.0	25.2	26.6	25.6	26.8	27.1
6H	25.5	26.8	25.8	27.0	27.3	25.6	26.9	26.0	27.2	27.5
8H	25.6	26.8	25.9	27.1	27.4	25.8	27.0	26.1	27.3	27.6
12H	25.6	26.8	26.0	27.1	27.4	25.8	27.0	26.2	27.3	27.6
4H 2H	23.7	25.1	24.0	25.3	25.6	23.7	25.1	24.1	25.3	25.6
3H	25.4	26.6	25.7	26.9	27.2	25.4	26.6	25.8	26.9	27.2
4H	26.1	27.1	26.4	27.5	27.8	26.2	27.2	26.5	27.5	27.9
6H	26.5	27.5	26.9	27.8	28.2	26.7	27.6	27.1	28.0	28.3
8H	26.7	27.5	27.1	27.9	28.3	26.8	27.7	27.3	28.1	28.5
12H	26.7	27.5	27.1	27.9	28.3	26.9	27.7	27.4	28.1	28.5
8H 4H	26.3	27.2	26.7	27.6	28.0	26.4	27.3	26.8	27.6	28.0
6H	26.9	27.6	27.4	28.1	28.5	27.1	27.8	27.5	28.2	28.6
8H	27.1	27.8	27.6	28.2	28.6	27.3	27.9	27.8	28.4	28.8
12H	27.2	27.8	27.7	28.2	28.7	27.5	28.0	27.9	28.5	28.9
12H 4H	26.3	27.1	26.8	27.5	27.9	26.4	27.2	26.8	27.6	28.0
6H	27.0	27.6	27.4	28.0	28.5	27.1	27.7	27.6	28.2	28.6
8H	27.2	27.7	27.7	28.2	28.7	27.4	27.9	27.8	28.4	28.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 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 Corrected 1663 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.8)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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

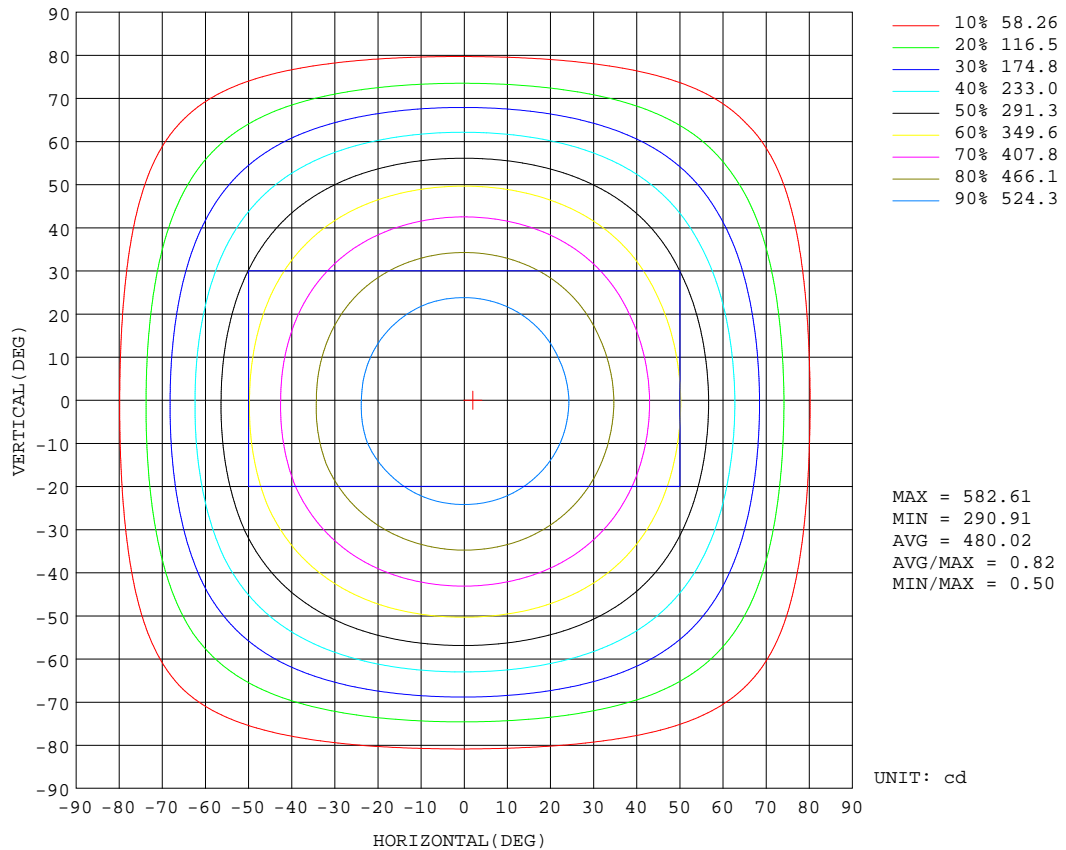
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	77	71	83	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	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:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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



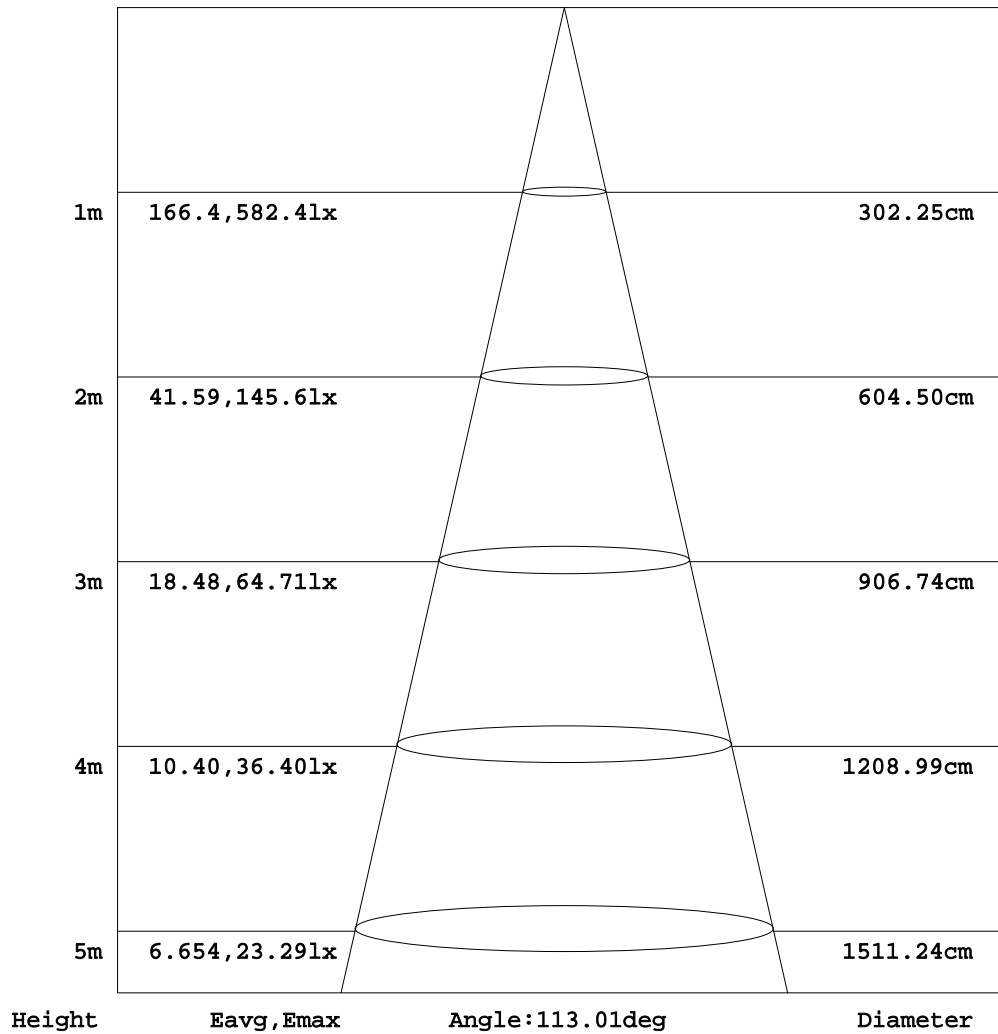
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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

Flux out:1239 lm



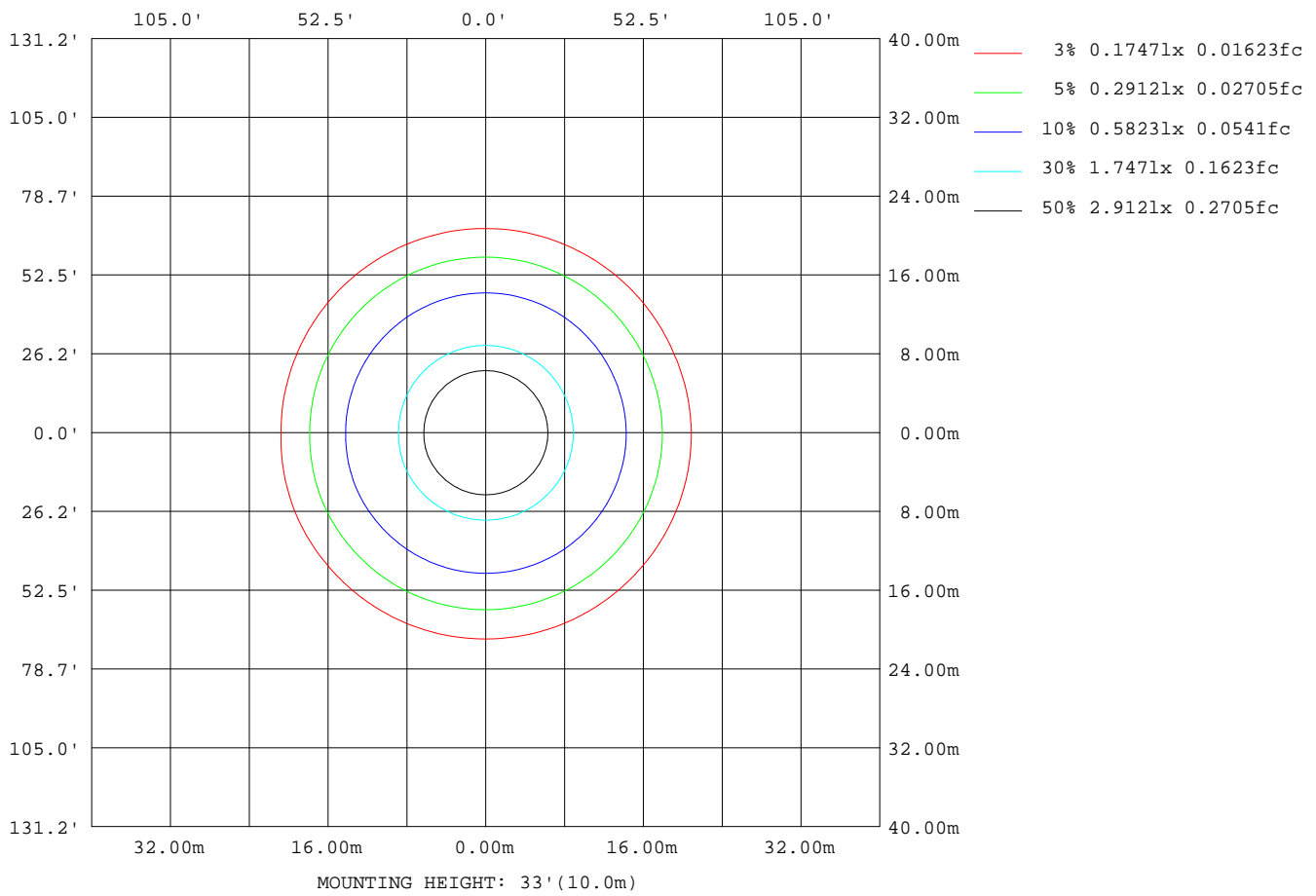
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 39%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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

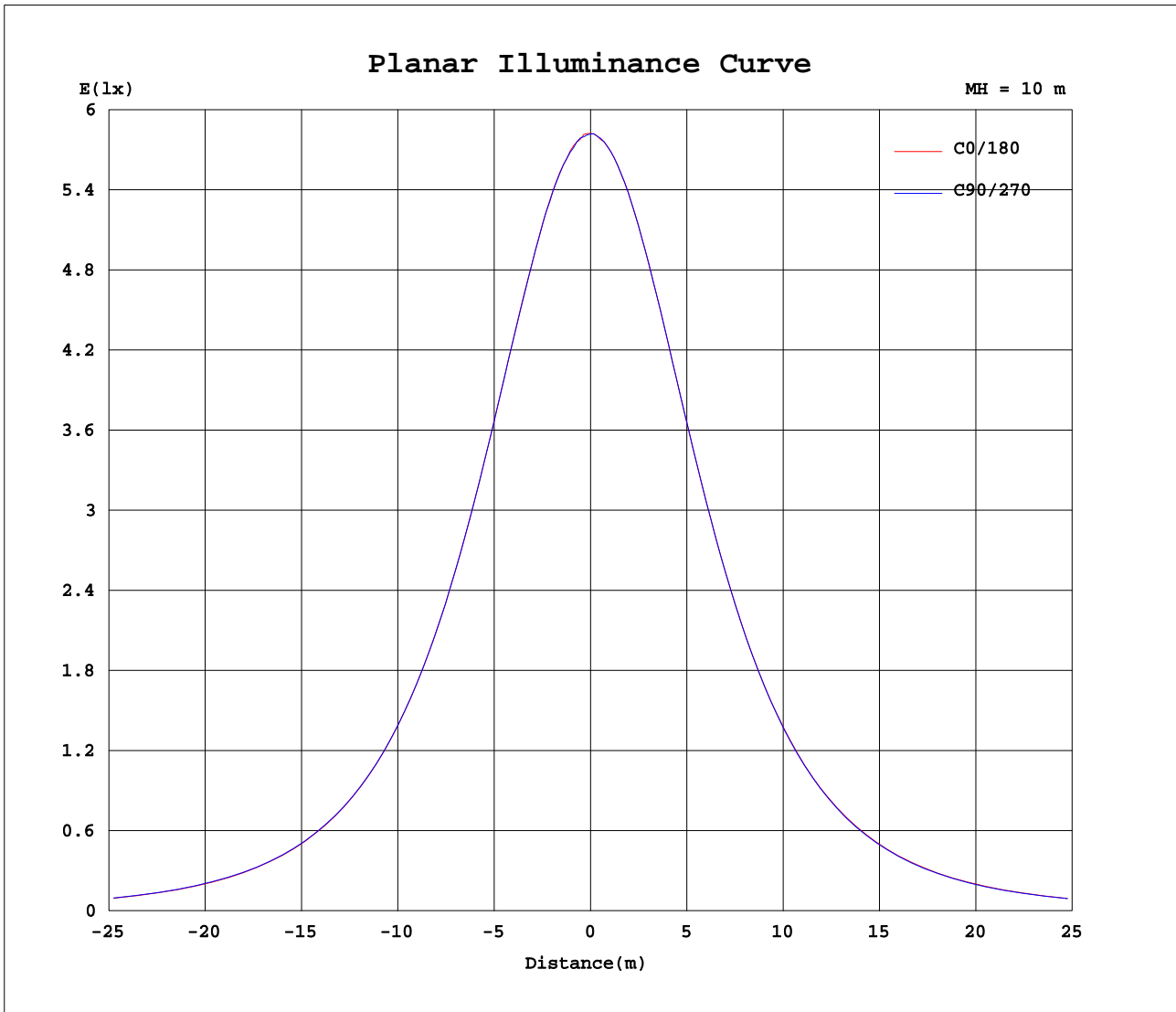
AvgL	cd/m2
L_0~180(65)av	17240
L_0~180(75)av	14275
L_0~180(85)av	7576
L_90~270(65)av	17266
L_90~270(75)av	14434
L_90~270(85)av	9019
L_45(65)av	17274
L_45(75)av	14419
L_45(85)av	8337

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 39%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1627A P:19.30W PF:0.9890 Lamp Flux:1412x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582			
5	579	579	580	579	578	579	580	580	579	579	580	579	579	578	579	579			
10	572	571	572	572	572	572	572	572	571	571	571	572	571	571	571	571			
15	560	559	560	559	559	559	560	559	558	559	559	558	558	558	559	558			
20	543	542	543	542	542	543	543	543	541	541	541	541	541	541	541	541			
25	520	520	521	520	520	520	521	522	518	519	520	518	519	518	519	518			
30	494	494	495	494	494	495	495	496	492	492	492	492	492	492	492	492			
35	464	463	464	464	465	464	465	465	461	461	462	461	461	461	461	461			
40	430	430	430	431	430	431	431	431	427	427	427	426	427	426	426	426			
45	392	392	392	393	393	393	394	394	389	389	389	388	388	388	388	388			
50	351	351	352	352	352	353	353	353	348	347	347	346	347	346	346	346			
55	307	307	308	308	309	309	309	309	304	303	303	302	302	301	302	301			
60	260	260	261	262	262	263	263	263	257	256	256	255	254	254	254	254			
65	210	211	212	213	213	214	214	214	207	206	206	205	205	204	204	204			
70	159	160	162	162	163	163	163	163	156	155	155	154	153	153	153	153			
75	107	109	111	112	112	113	112	111	104	103	103	102	101	101	101	101			
80	59.9	61.0	63.4	64.9	65.5	65.9	64.6	63.2	57.1	56.3	56.5	56.4	55.6	55.4	54.5	54.2			
85	19.4	20.9	23.3	25.3	26.2	26.1	24.3	22.5	18.4	17.9	18.5	19.2	18.8	18.4	17.1	16.2			
90	0.10	0.14	0.15	0.16	2.59	2.54	0.14	0.15	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
95	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
100	0.15	0.15	0.16	0.16	0.15	0.16	0.16	0.15	0.06	0.07	0.08	0.07	0.07	0.08	0.07	0.07			
105	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
110	0.17	0.18	0.18	0.19	0.18	0.19	0.19	0.18	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11			
115	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.20	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13			
120	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.23	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15			
125	0.28	0.28	0.28	0.28	0.28	0.29	0.28	0.28	0.20	0.19	0.20	0.19	0.19	0.19	0.19	0.19			
130	0.34	0.34	0.34	0.34	0.35	0.36	0.35	0.34	0.23	0.23	0.22	0.23	0.22	0.23	0.22	0.23			
135	0.41	0.42	0.43	0.43	0.44	0.45	0.43	0.41	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.27			
140	0.52	0.54	0.57	0.56	0.57	0.57	0.55	0.52	0.30	0.28	0.30	0.30	0.30	0.29	0.29	0.29			
145	0.65	0.68	0.72	0.73	0.73	0.73	0.70	0.66	0.32	0.31	0.33	0.35	0.34	0.34	0.33	0.34			
150	0.76	0.81	0.84	0.85	0.85	0.85	0.82	0.78	0.35	0.35	0.37	0.37	0.37	0.37	0.36	0.38			
155	0.89	0.93	0.94	0.95	0.96	0.96	0.94	0.91	0.41	0.39	0.42	0.42	0.41	0.42	0.41	0.44			
160	0.97	0.98	1.00	1.03	1.01	1.03	1.01	0.98	0.48	0.47	0.47	0.47	0.46	0.46	0.46	0.49			
165	0.97	0.97	0.99	0.99	1.01	1.01	1.01	0.98	0.53	0.52	0.50	0.51	0.50	0.50	0.50	0.54			
170	0.92	0.92	0.92	0.92	0.93	0.93	0.94	0.93	0.58	0.57	0.55	0.54	0.53	0.54	0.55	0.59			
175	0.89	0.87	0.87	0.85	0.84	0.86	0.88	0.90	0.68	0.68	0.66	0.63	0.62	0.62	0.64	0.68			
180	0.78	0.76	0.74	0.72	0.73	0.75	0.79	0.80	0.78	0.78	0.77	0.74	0.72	0.73	0.75	0.79			

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