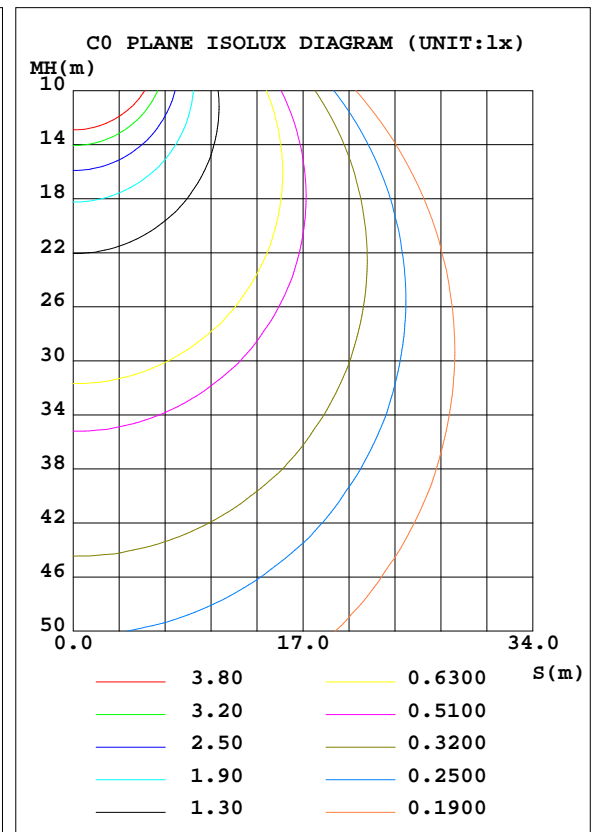
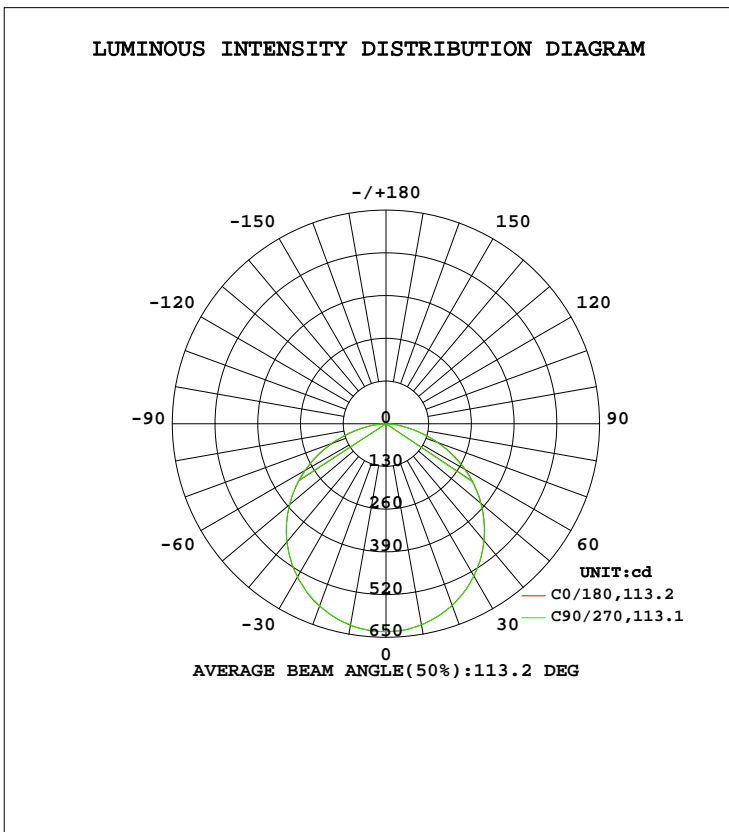


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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: 90.98 lm/W			
MODEL ASD-MPR-9D18CC-EM-WH		I _{max} (cd)	633.2	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)	1674	η UP, DN(C0-180)	0.1,50.6
NOMINAL FLUX(lm)	1674	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.3
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	622.6	622.2	622.4	622.6	621.1	620.9	621.0	619.9	0- 10	59.87	59.87	3.31,3.31
20	590.4	590.5	590.4	590.5	588.1	587.8	588.1	588.3	10- 20	171.6	231.5	12.8,12.8
30	538.2	538.2	538.4	539.2	535.1	534.4	534.7	534.7	20- 30	260.5	492.0	27.2,27.2
40	468.3	469.2	468.9	469.6	464.1	463.6	462.9	463.0	30- 40	314.9	806.9	44.6,44.6
50	382.9	383.1	383.6	384.7	378.0	376.5	376.2	375.8	40- 50	327.6	1135	62.7,62.7
60	283.8	284.7	286.3	286.5	278.7	276.9	275.6	275.4	50- 60	296.5	1431	79.1,79.1
70	173.8	176.6	178.3	178.7	168.8	167.3	165.4	165.5	60- 70	224.5	1656	91.5,91.5
80	65.93	69.85	72.06	71.30	61.21	60.53	59.58	58.53	70- 80	123.2	1779	98.4,98.4
90	0.2016	0.2005	3.004	0.2213	0.0349	0.0379	0.0375	0.0419	80- 90	27.82	1807	99.9,99.9
100	0.1649	0.1850	0.1708	0.1845	0.0694	0.0852	0.0734	0.0898	90-100	0.1402	1807	99.9,99.9
110	0.1934	0.2063	0.2034	0.2089	0.1146	0.1253	0.1203	0.1254	100-110	0.1531	1807	99.9,99.9
120	0.2535	0.2563	0.2597	0.2636	0.1775	0.1747	0.1727	0.1780	110-120	0.1851	1807	99.9,99.9
130	0.3678	0.3714	0.3794	0.3814	0.2547	0.2460	0.2440	0.2459	120-130	0.2335	1807	99.9,99.9
140	0.5712	0.6115	0.6188	0.6012	0.3252	0.3256	0.3251	0.3211	130-140	0.2929	1808	99.9,99.9
150	0.8259	0.9140	0.9236	0.8910	0.3878	0.3995	0.4025	0.3972	140-150	0.3488	1808	100,100
160	1.053	1.082	1.101	1.098	0.5200	0.5130	0.5062	0.4994	150-160	0.3361	1808	100,100
170	1.005	1.003	1.015	1.023	0.6306	0.5970	0.5808	0.5951	160-170	0.2305	1808	100,100
180	0.8550	0.8059	0.7975	0.8573	0.8571	0.8320	0.7898	0.8184	170-180	0.0780	1809	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 971.87 lm

%lum = 53.7%

%lamp = 53.7%

Conical surface Flux(120deg): 1431 lm

%lum = 79.1%

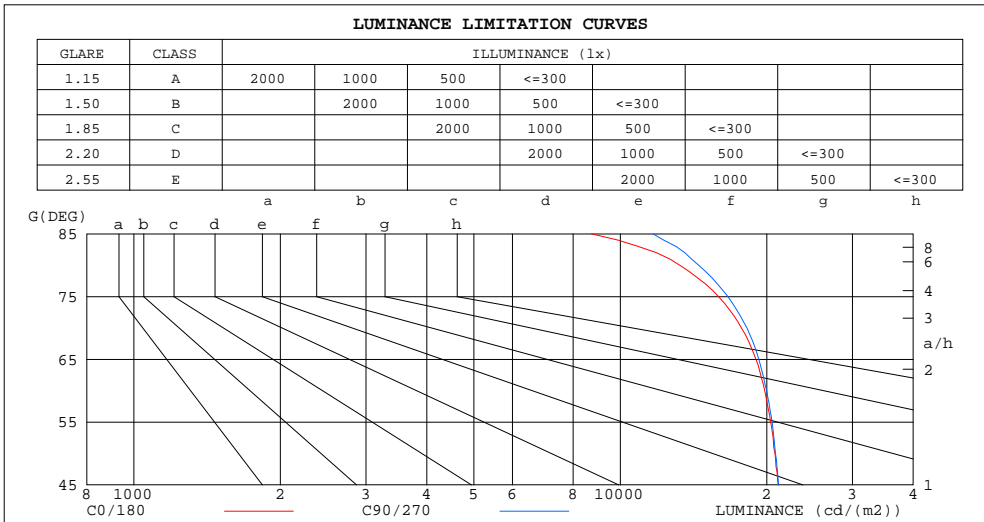
%lamp = 79.1%

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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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	8723	11669
80	13250	14491
75	15915	16642
70	17739	18205
65	19004	19266
60	19810	19991
55	20369	20512
50	20788	20838
45	21113	21158

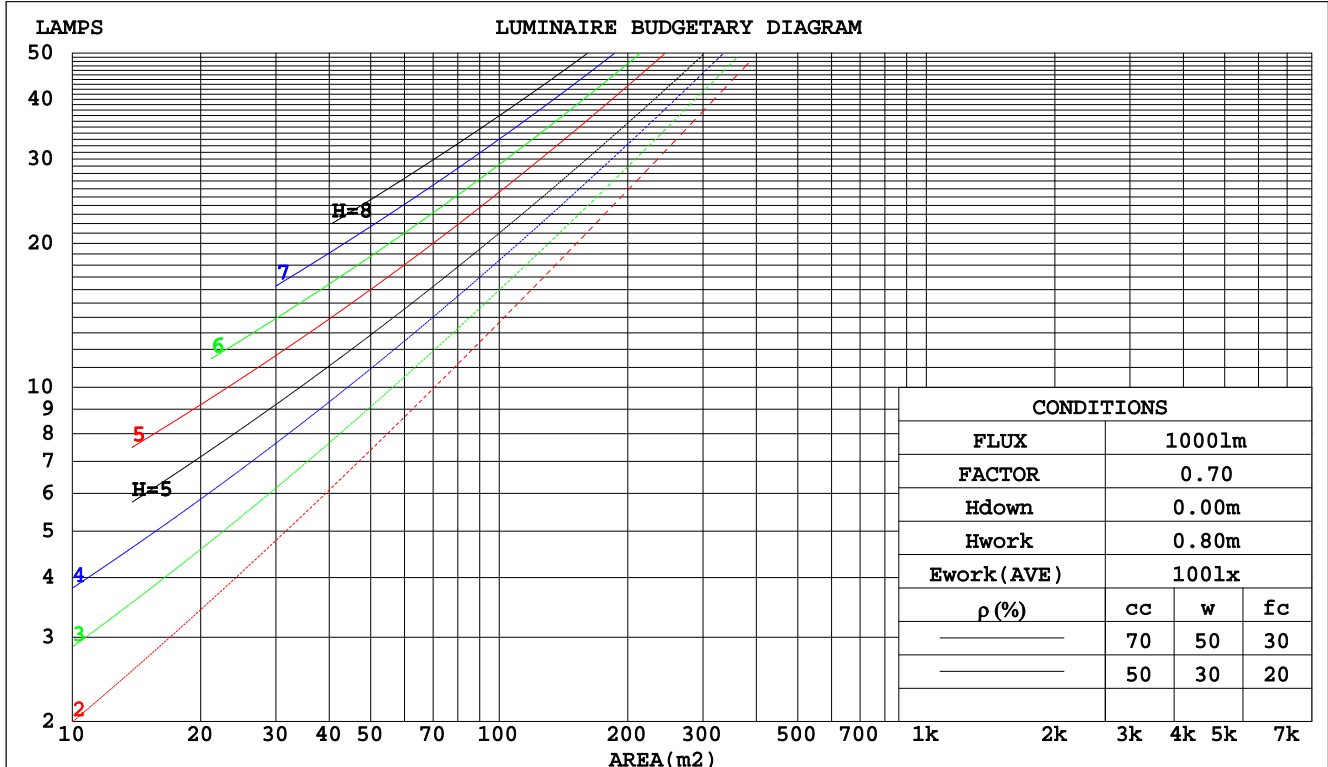
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-02

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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME:ASD-MPR-9D18CC-EM-WH 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
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	1.19	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	.97	.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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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	.306	.174	.055	.299	.170	.054	.285	.164	.052	.273	.158	.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	.210	.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	.164	.164	.164	.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	.052	.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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm										
NAME: ASD-MPR-9D18CC-EM-WH 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	23.4	24.9	23.7	25.1	25.3	23.4	25.0	23.7	25.2	25.4
3H	24.9	26.3	25.2	26.6	26.8	25.0	26.4	25.3	26.6	26.9
4H	25.5	26.8	25.8	27.1	27.3	25.6	26.9	25.9	27.2	27.4
6H	25.8	27.1	26.2	27.4	27.6	26.0	27.2	26.3	27.5	27.8
8H	25.9	27.1	26.3	27.4	27.7	26.1	27.3	26.4	27.6	27.9
12H	25.9	27.1	26.3	27.4	27.7	26.1	27.3	26.5	27.6	27.9
4H 2H	24.0	25.4	24.4	25.6	25.9	24.1	25.4	24.4	25.6	25.9
3H	25.7	26.9	26.1	27.2	27.5	25.8	26.9	26.1	27.2	27.5
4H	26.4	27.5	26.8	27.8	28.1	26.5	27.5	26.9	27.9	28.2
6H	26.9	27.8	27.3	28.2	28.5	27.0	27.9	27.4	28.3	28.7
8H	27.0	27.9	27.4	28.2	28.6	27.2	28.1	27.6	28.4	28.8
12H	27.1	27.9	27.5	28.2	28.7	27.3	28.1	27.7	28.5	28.9
8H 4H	26.6	27.5	27.1	27.9	28.3	26.7	27.6	27.1	28.0	28.4
6H	27.3	28.0	27.7	28.4	28.8	27.4	28.1	27.8	28.5	29.0
8H	27.5	28.1	27.9	28.5	29.0	27.6	28.3	28.1	28.7	29.2
12H	27.6	28.1	28.0	28.6	29.0	27.8	28.4	28.3	28.8	29.3
12H 4H	26.7	27.5	27.1	27.9	28.3	26.7	27.5	27.2	27.9	28.3
6H	27.3	27.9	27.8	28.4	28.8	27.4	28.1	27.9	28.5	29.0
8H	27.5	28.1	28.0	28.5	29.0	27.7	28.3	28.2	28.7	29.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 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 1809 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

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:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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

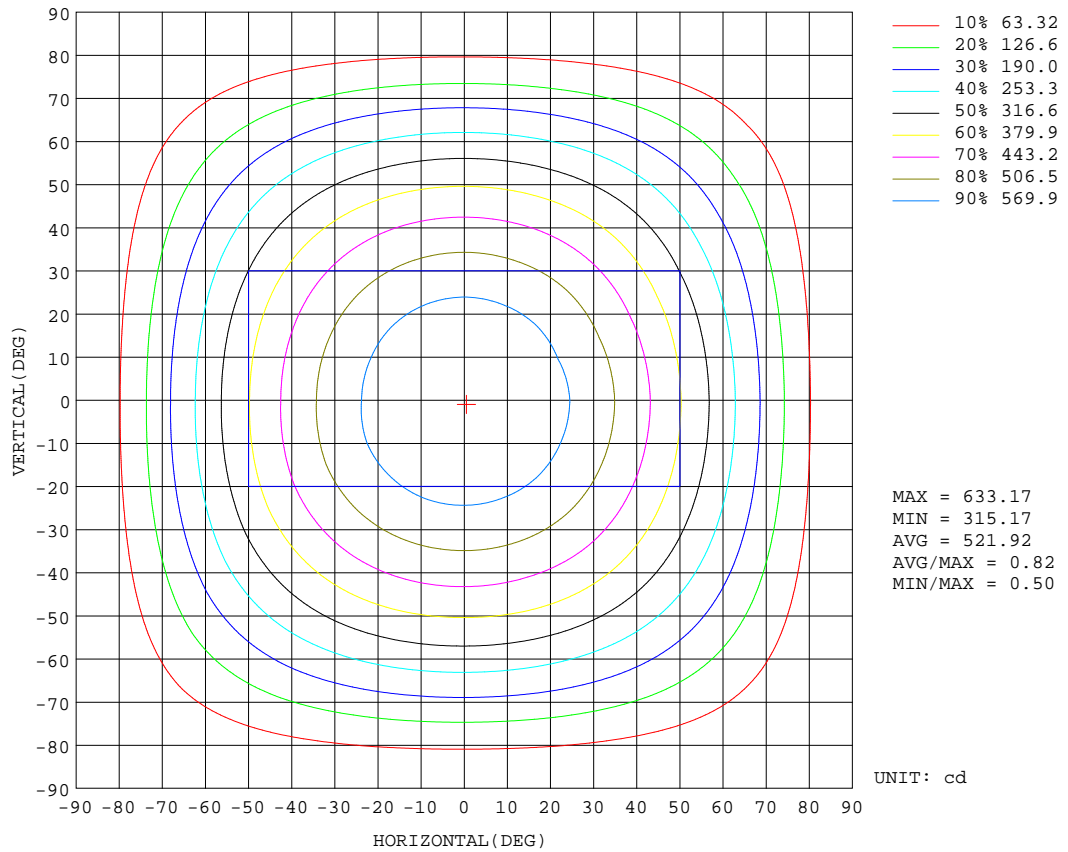
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	48	65	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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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



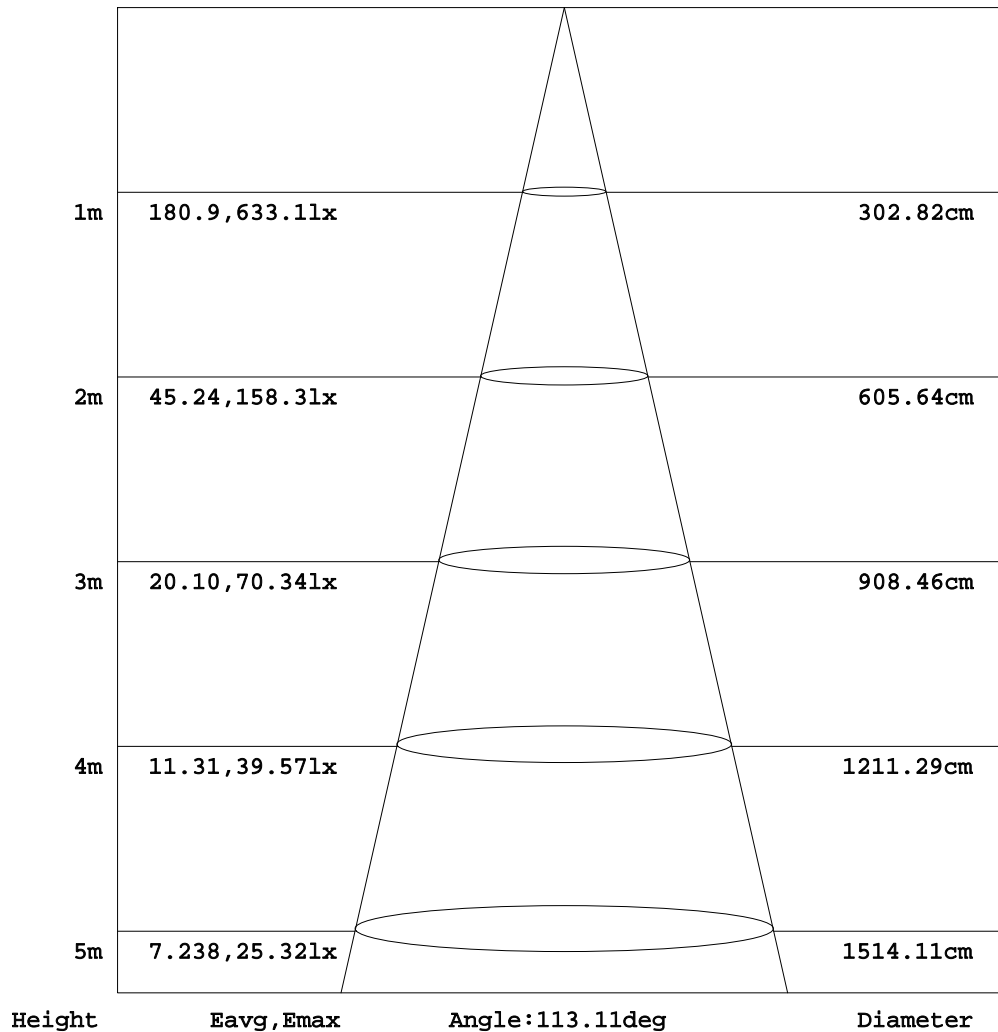
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-02

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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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

Flux out:1348 lm



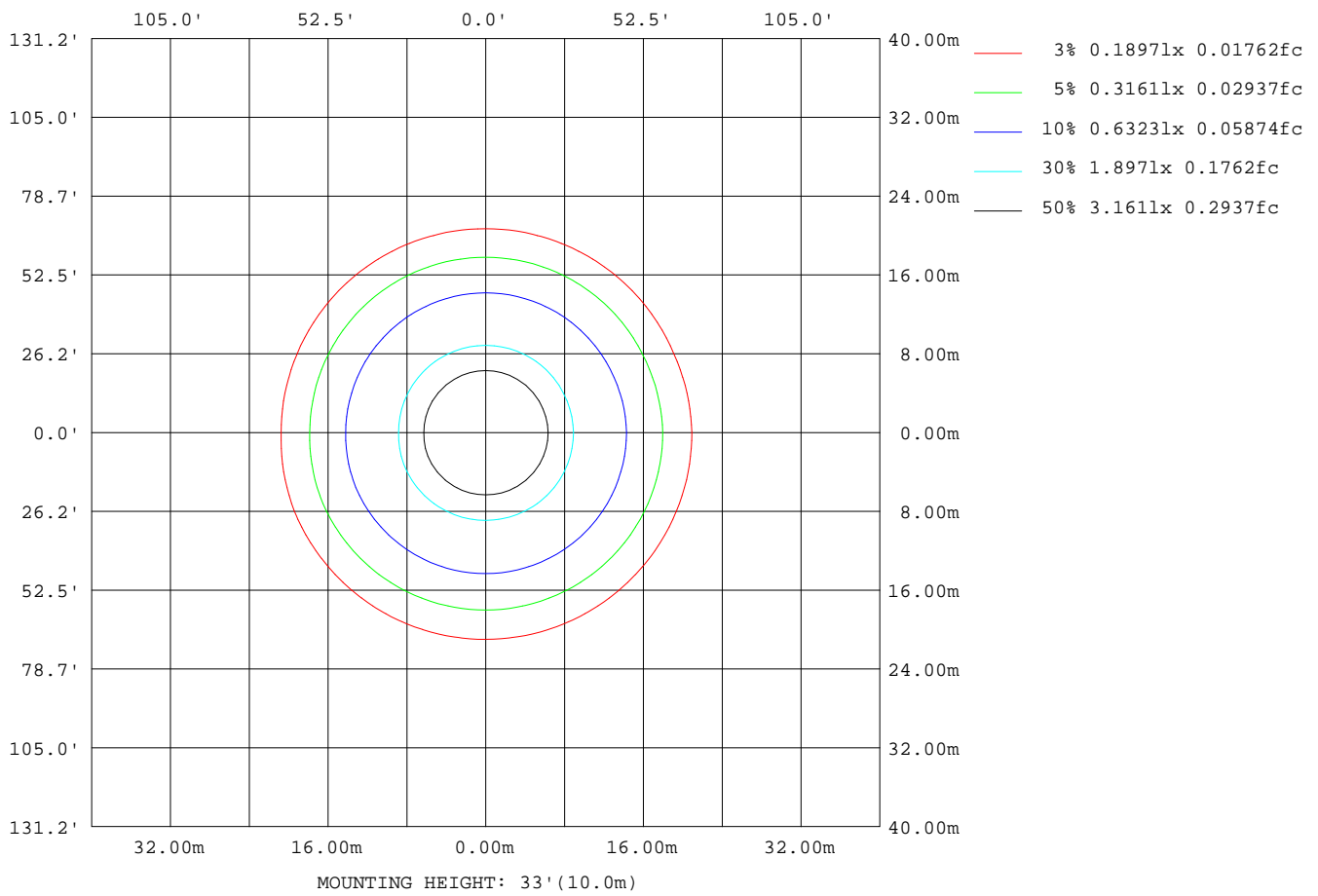
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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:25.4DEG
 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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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

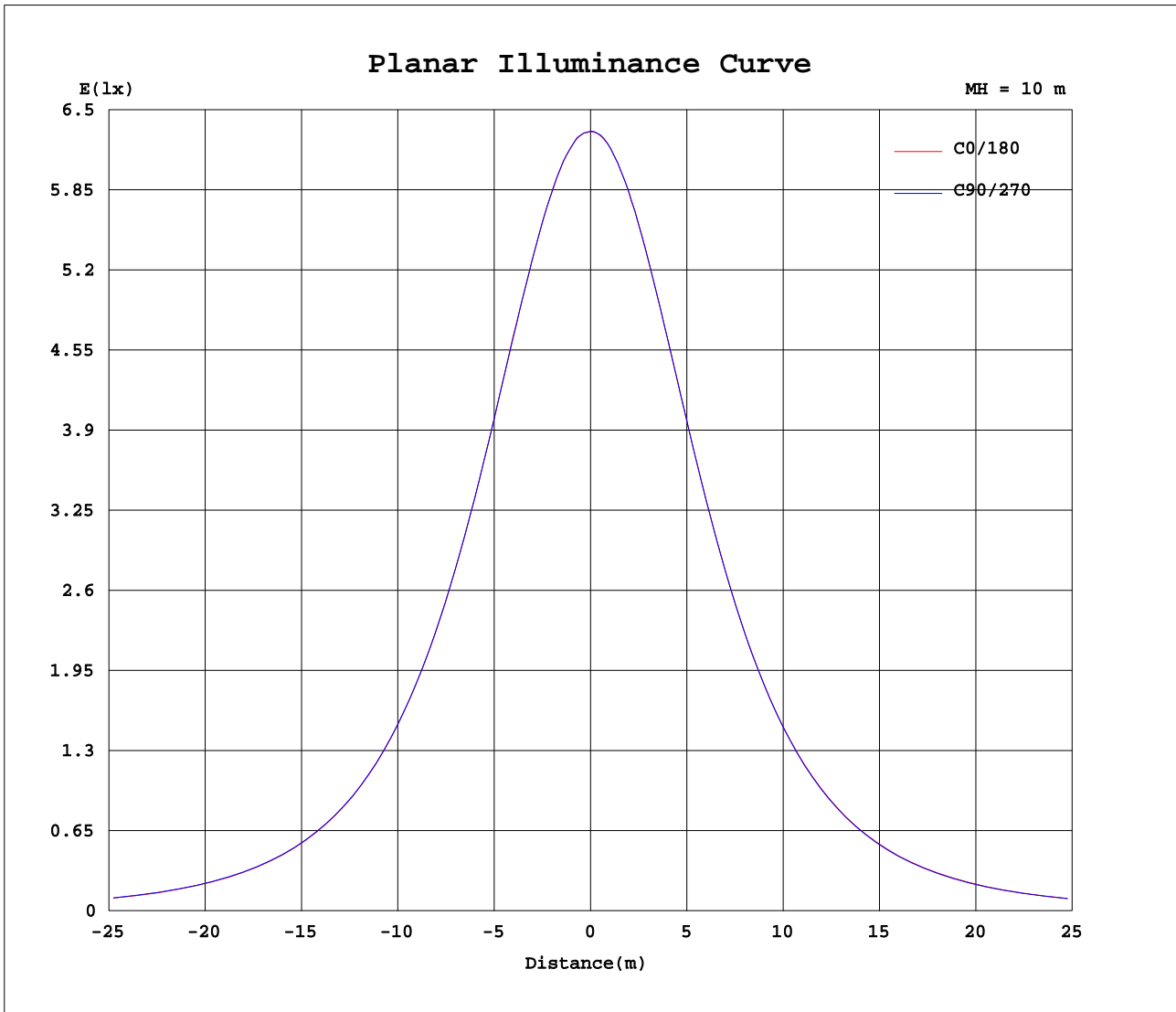
AvgL	cd/m2
L_0~180(65)av	18777
L_0~180(75)av	15540
L_0~180(85)av	8228
L_90~270(65)av	18779
L_90~270(75)av	15709
L_90~270(85)av	9818
L_45(65)av	18777
L_45(75)av	15682
L_45(85)av	9059

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:0.1551A P:18.40W PF:0.9889 Lamp Flux:1674x1 lm		
NAME: ASD-MPR-9D18CC-EM-WH 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	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633			
5	631	630	631	630	630	630	629	630	630	630	630	630	630	630	629	630			
10	623	623	622	622	622	623	623	623	621	621	621	621	621	621	620	621			
15	609	608	608	609	609	609	610	610	607	607	607	608	607	607	607	606			
20	590	590	591	590	590	591	591	591	588	588	588	588	588	588	588	587			
25	567	566	566	566	567	568	567	567	564	563	563	564	564	565	564	563			
30	538	538	538	538	538	539	539	539	535	534	534	534	535	535	535	534			
35	506	505	506	505	506	506	506	507	502	501	501	501	501	501	501	501			
40	468	468	469	468	469	470	470	470	464	463	464	463	463	463	463	463			
45	428	427	428	428	428	429	429	429	422	422	422	422	421	421	421	421			
50	383	383	383	384	384	385	385	385	378	377	376	376	376	375	376	376			
55	335	335	336	335	337	337	337	337	330	329	328	328	327	327	327	327			
60	284	284	285	285	286	287	286	287	279	278	277	276	276	275	275	276			
65	230	231	231	233	233	234	233	233	224	224	223	222	221	221	221	222			
70	174	175	177	178	178	179	179	178	169	168	167	166	165	165	165	166			
75	118	119	121	123	123	124	123	122	112	111	111	111	110	109	109	109			
80	65.9	67.6	69.8	71.7	72.1	72.5	71.3	69.5	61.2	60.5	60.5	60.5	59.6	59.4	58.5	58.1			
85	21.8	23.4	25.9	28.4	29.1	28.9	27.0	25.0	19.3	18.9	19.5	20.3	19.9	19.4	18.0	17.1			
90	0.20	0.12	0.20	2.75	3.00	2.94	0.22	0.24	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
95	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
100	0.16	0.17	0.19	0.18	0.17	0.18	0.18	0.17	0.07	0.07	0.09	0.08	0.07	0.08	0.09	0.08			
105	0.18	0.18	0.19	0.20	0.19	0.20	0.20	0.18	0.09	0.10	0.10	0.11	0.10	0.11	0.11	0.10			
110	0.19	0.20	0.21	0.21	0.20	0.21	0.21	0.20	0.11	0.12	0.13	0.13	0.12	0.13	0.13	0.12			
115	0.22	0.22	0.23	0.23	0.22	0.23	0.23	0.22	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.14			
120	0.25	0.25	0.26	0.26	0.26	0.27	0.26	0.25	0.18	0.17	0.17	0.18	0.17	0.17	0.18	0.17			
125	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.30	0.22	0.21	0.22	0.21	0.20	0.21	0.21	0.21			
130	0.37	0.37	0.37	0.38	0.38	0.39	0.38	0.37	0.25	0.26	0.25	0.26	0.24	0.25	0.25	0.26			
135	0.45	0.46	0.47	0.47	0.48	0.49	0.47	0.45	0.29	0.28	0.28	0.29	0.29	0.28	0.28	0.29			
140	0.57	0.59	0.61	0.61	0.62	0.62	0.60	0.57	0.33	0.31	0.33	0.33	0.33	0.32	0.32	0.32			
145	0.71	0.74	0.78	0.79	0.80	0.79	0.75	0.71	0.35	0.34	0.37	0.38	0.38	0.37	0.36	0.37			
150	0.83	0.88	0.91	0.92	0.92	0.92	0.89	0.85	0.39	0.38	0.40	0.40	0.40	0.40	0.40	0.42			
155	0.96	1.01	1.02	1.03	1.05	1.04	1.02	0.99	0.45	0.43	0.46	0.46	0.45	0.46	0.45	0.49			
160	1.05	1.07	1.08	1.12	1.10	1.12	1.10	1.07	0.52	0.51	0.51	0.51	0.51	0.50	0.50	0.53			
165	1.06	1.06	1.07	1.09	1.10	1.10	1.09	1.07	0.58	0.57	0.55	0.55	0.54	0.55	0.54	0.59			
170	1.00	1.00	1.00	1.00	1.02	1.02	1.02	1.02	0.63	0.63	0.60	0.59	0.58	0.59	0.60	0.64			
175	0.97	0.95	0.95	0.93	0.92	0.94	0.96	0.98	0.74	0.74	0.72	0.69	0.68	0.67	0.70	0.74			
180	0.86	0.83	0.81	0.79	0.80	0.82	0.86	0.87	0.86	0.85	0.83	0.81	0.79	0.80	0.82	0.86			

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