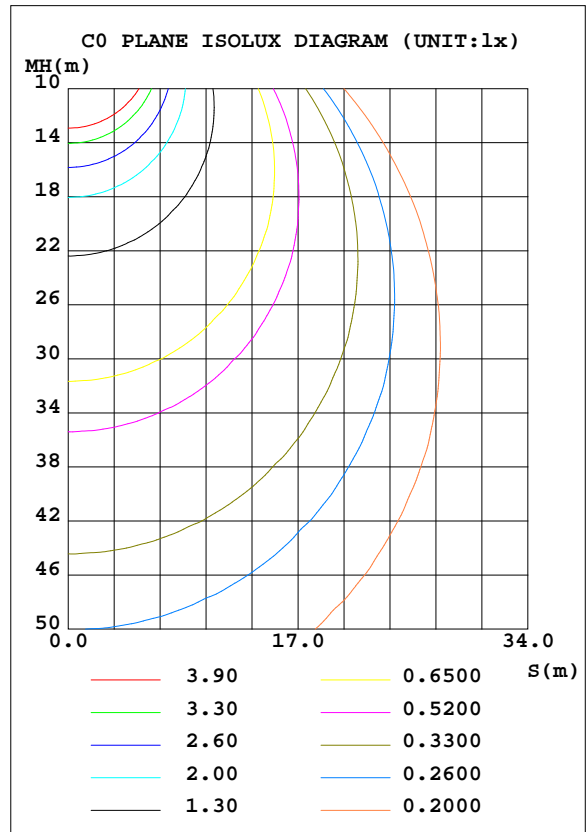
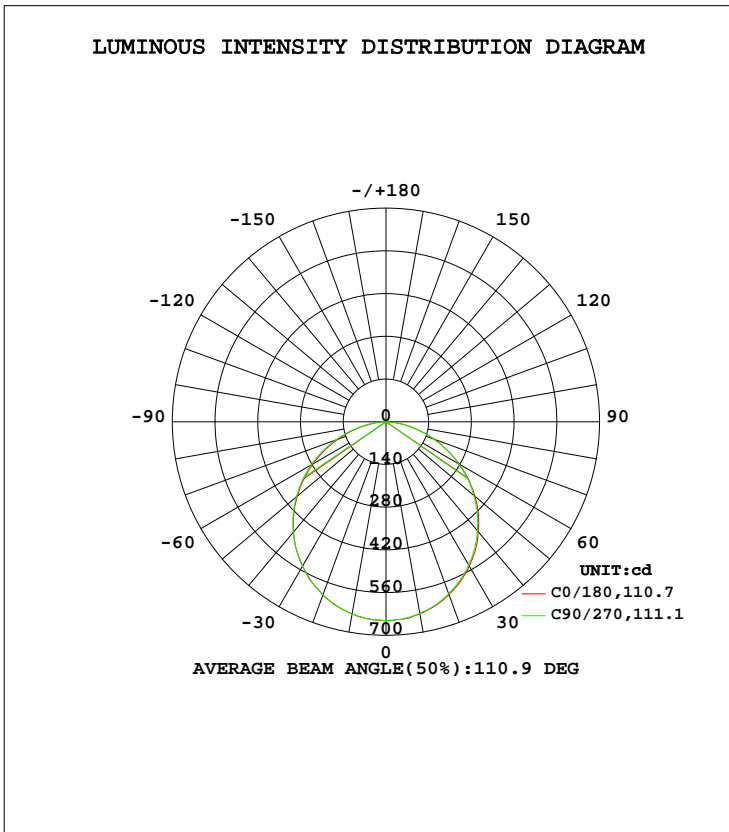


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.68 lm/W			
MODEL	PSZ2S230215008-10	I _{max} (cd)	653.2	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1824.7	η UP, DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	1824.69	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.5
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:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 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	639.6	640.0	640.0	641.0	639.0	638.4	637.8	639.1	0- 10	61.61	61.61	3.38,3.38
20	604.0	603.8	604.1	605.0	603.4	602.1	600.2	602.2	10- 20	176.0	237.6	13,13
30	546.6	546.9	547.4	547.5	546.1	543.6	541.8	543.0	20- 30	265.7	503.3	27.6,27.6
40	471.8	472.1	472.4	474.0	470.5	468.3	465.9	467.3	30- 40	318.9	822.3	45.1,45.1
50	379.4	383.5	384.0	384.9	380.6	378.2	376.0	377.6	40- 50	329.3	1152	63.1,63.1
60	276.2	280.8	283.3	283.5	277.0	276.7	275.2	274.2	50- 60	295.3	1447	79.3,79.3
70	168.0	172.2	176.3	174.5	168.0	167.7	167.2	165.5	60- 70	222.0	1669	91.5,91.5
80	66.49	69.27	72.89	70.72	65.91	64.34	64.87	62.87	70- 80	123.6	1792	98.2,98.2
90	0.1430	2.369	2.978	2.532	0.0467	0.0386	0.0390	0.0386	80- 90	30.34	1823	99.9,99.9
100	0.1565	0.1632	0.1573	0.1655	0.0673	0.0791	0.0762	0.0768	90-100	0.1489	1823	99.9,99.9
110	0.1865	0.1919	0.1930	0.1912	0.1063	0.1173	0.1175	0.1132	100-110	0.1425	1823	99.9,99.9
120	0.2445	0.2427	0.2494	0.2441	0.1672	0.1679	0.1673	0.1630	110-120	0.1749	1823	99.9,99.9
130	0.3509	0.3507	0.3652	0.3585	0.2342	0.2376	0.2302	0.2290	120-130	0.2215	1823	99.9,99.9
140	0.5362	0.5722	0.5781	0.5639	0.3032	0.3128	0.3050	0.3042	130-140	0.2758	1824	99.9,99.9
150	0.7641	0.8354	0.8542	0.8197	0.3568	0.3721	0.3796	0.3676	140-150	0.3251	1824	100,100
160	0.9732	1.003	1.007	1.007	0.4824	0.4873	0.4718	0.4608	150-160	0.3101	1824	100,100
170	0.9256	0.9365	0.9429	0.9440	0.5940	0.5652	0.5527	0.5690	160-170	0.2137	1825	100,100
180	0.7743	0.7415	0.7200	0.7880	0.7819	0.7660	0.7253	0.7479	170-180	0.0723	1825	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 988.4 lm

%lum = 54.2%
%lamp = 54.2%

Conical surface Flux(120deg): 1446.9 lm

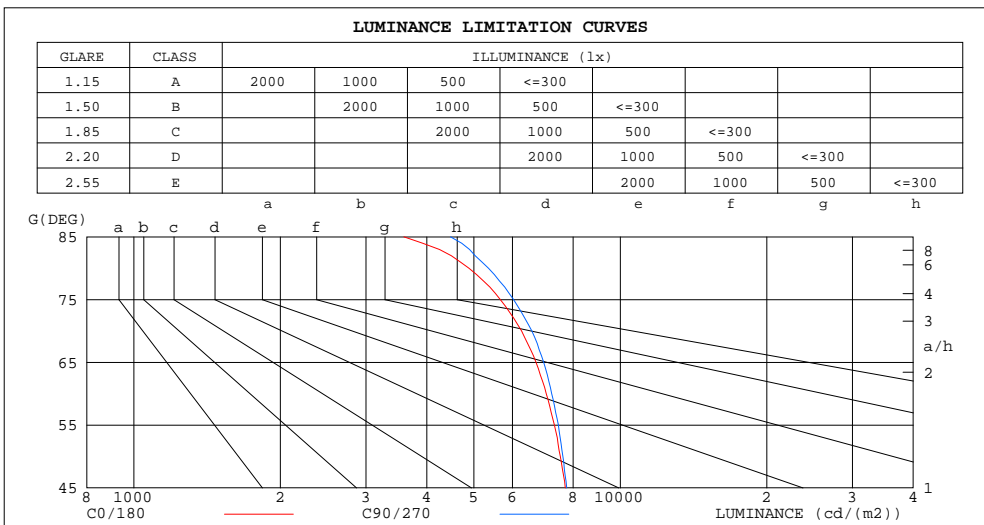
%lum = 79.3%
%lamp = 79.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.6DEG
Operators:Evan
Test Date:2023-02-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:51%
Test Distance:2.532m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	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	3590	4477
80	4882	5355
75	5666	6035
70	6264	6575
65	6707	6956
60	7044	7228
55	7319	7458
50	7526	7621
45	7709	7758

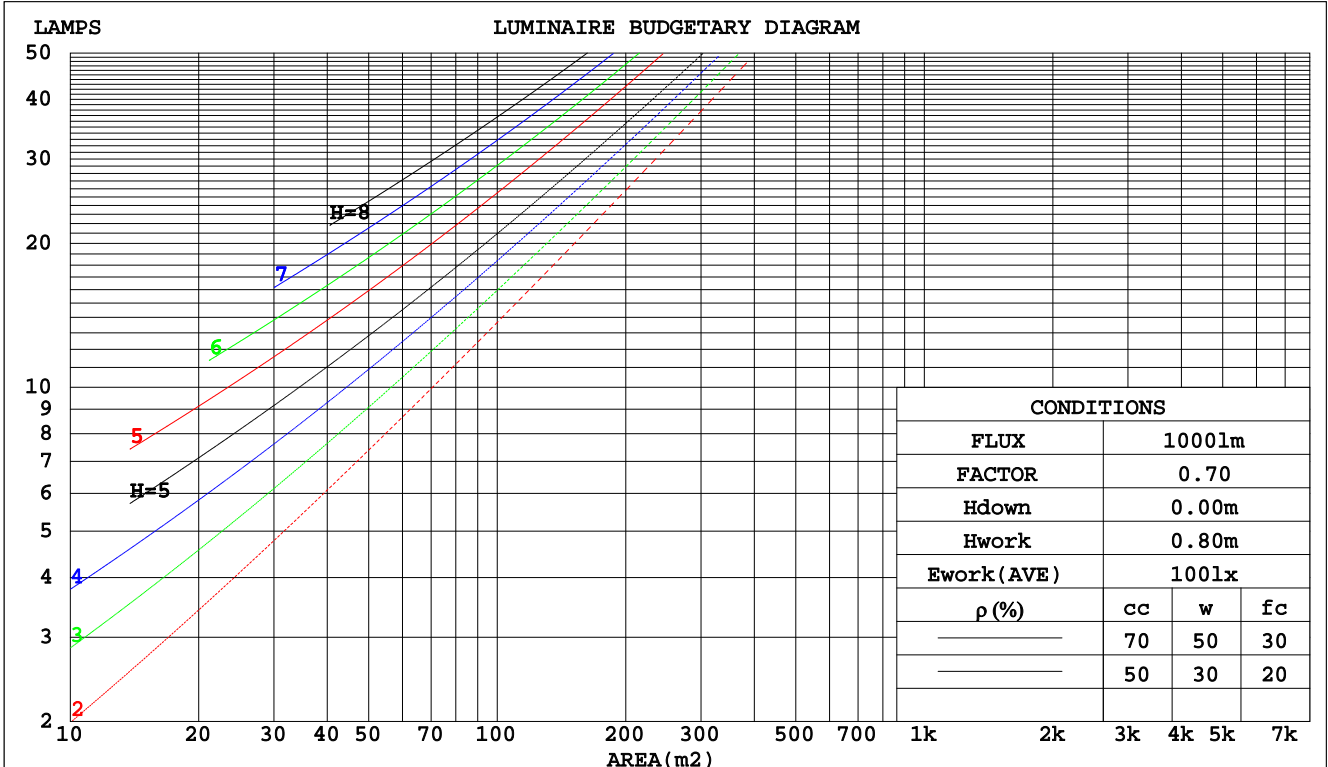
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	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	.83	.77	.85	.80	.75	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.46	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.33	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	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	.289	.158	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.250	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.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	.135	.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	.141	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.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	.111	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm										
NAME: LED luminaire					TYPE:N/A			WEIGHT:N/A		
SPEC.:ASD-MPS-12D24CC-BK 4000K					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	19.8	21.3	20.1	21.5	21.7	19.9	21.4	20.2	21.6	21.8
3H	21.2	22.6	21.5	22.9	23.1	21.4	22.8	21.7	23.0	23.3
4H	21.8	23.1	22.1	23.4	23.6	22.0	23.3	22.3	23.6	23.8
6H	22.2	23.4	22.5	23.7	24.0	22.4	23.7	22.7	23.9	24.2
8H	22.3	23.5	22.6	23.8	24.1	22.5	23.7	22.9	24.0	24.3
12H	22.3	23.5	22.7	23.8	24.1	22.6	23.8	23.0	24.1	24.4
4H 2H	20.4	21.7	20.7	22.0	22.2	20.5	21.8	20.8	22.1	22.3
3H	22.0	23.2	22.4	23.5	23.8	22.2	23.3	22.5	23.6	23.9
4H	22.7	23.8	23.1	24.1	24.4	22.9	24.0	23.3	24.3	24.6
6H	23.2	24.1	23.6	24.5	24.9	23.4	24.4	23.8	24.7	25.1
8H	23.3	24.2	23.8	24.6	25.0	23.6	24.5	24.0	24.8	25.2
12H	23.4	24.2	23.9	24.6	25.0	23.7	24.5	24.1	24.9	25.3
8H 4H	23.0	23.8	23.4	24.2	24.6	23.1	24.0	23.5	24.4	24.8
6H	23.6	24.3	24.0	24.7	25.2	23.8	24.5	24.2	24.9	25.4
8H	23.8	24.5	24.3	24.9	25.3	24.1	24.7	24.5	25.1	25.6
12H	24.0	24.5	24.4	25.0	25.4	24.2	24.8	24.7	25.3	25.7
12H 4H	23.0	23.8	23.4	24.2	24.6	23.1	23.9	23.6	24.3	24.7
6H	23.6	24.3	24.1	24.7	25.2	23.8	24.5	24.3	24.9	25.4
8H	23.9	24.5	24.4	24.9	25.4	24.1	24.7	24.6	25.1	25.6
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 1825 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

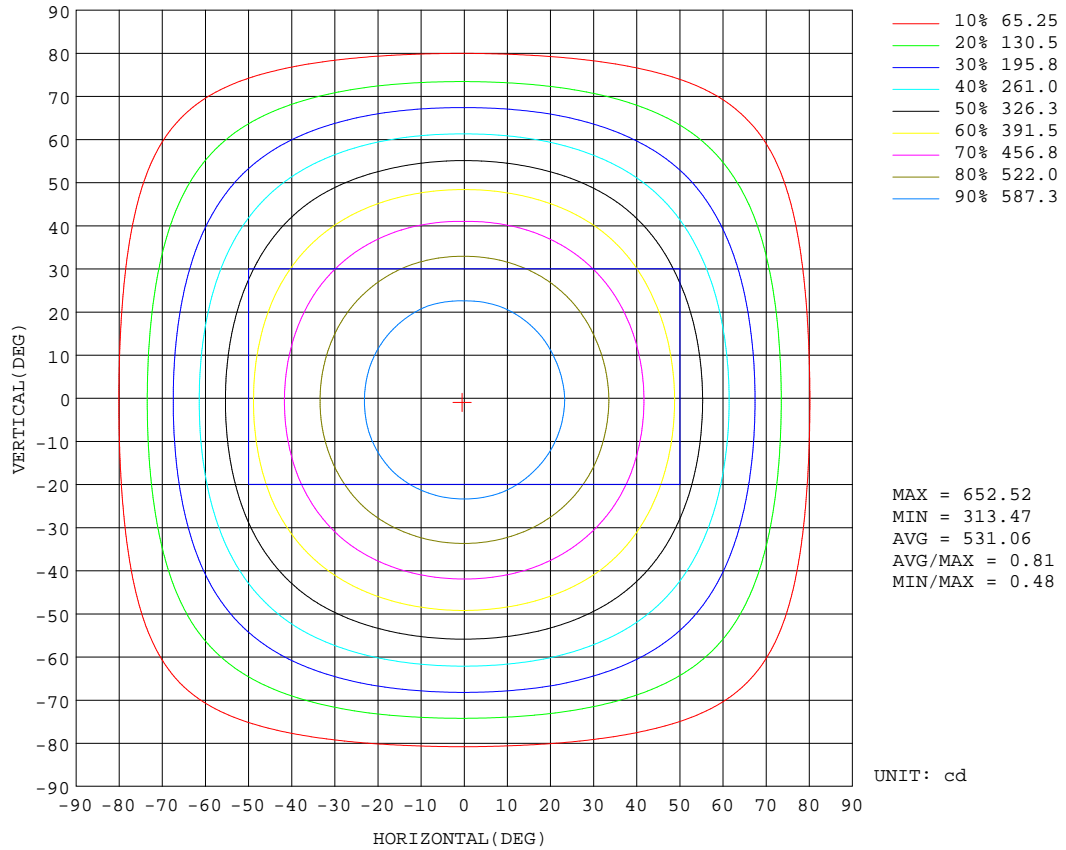
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	62
2.00	95	87	80	93	85	80	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	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:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A



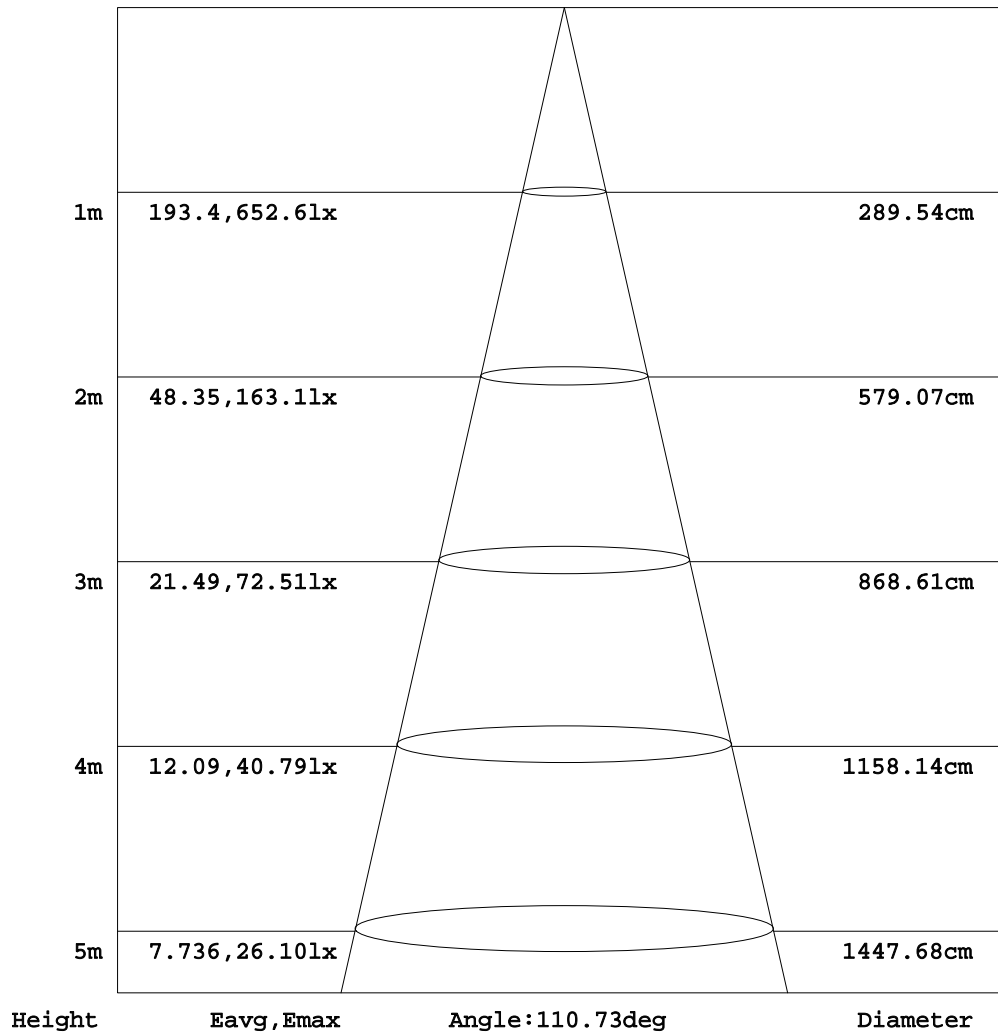
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

Flux out:1336 lm



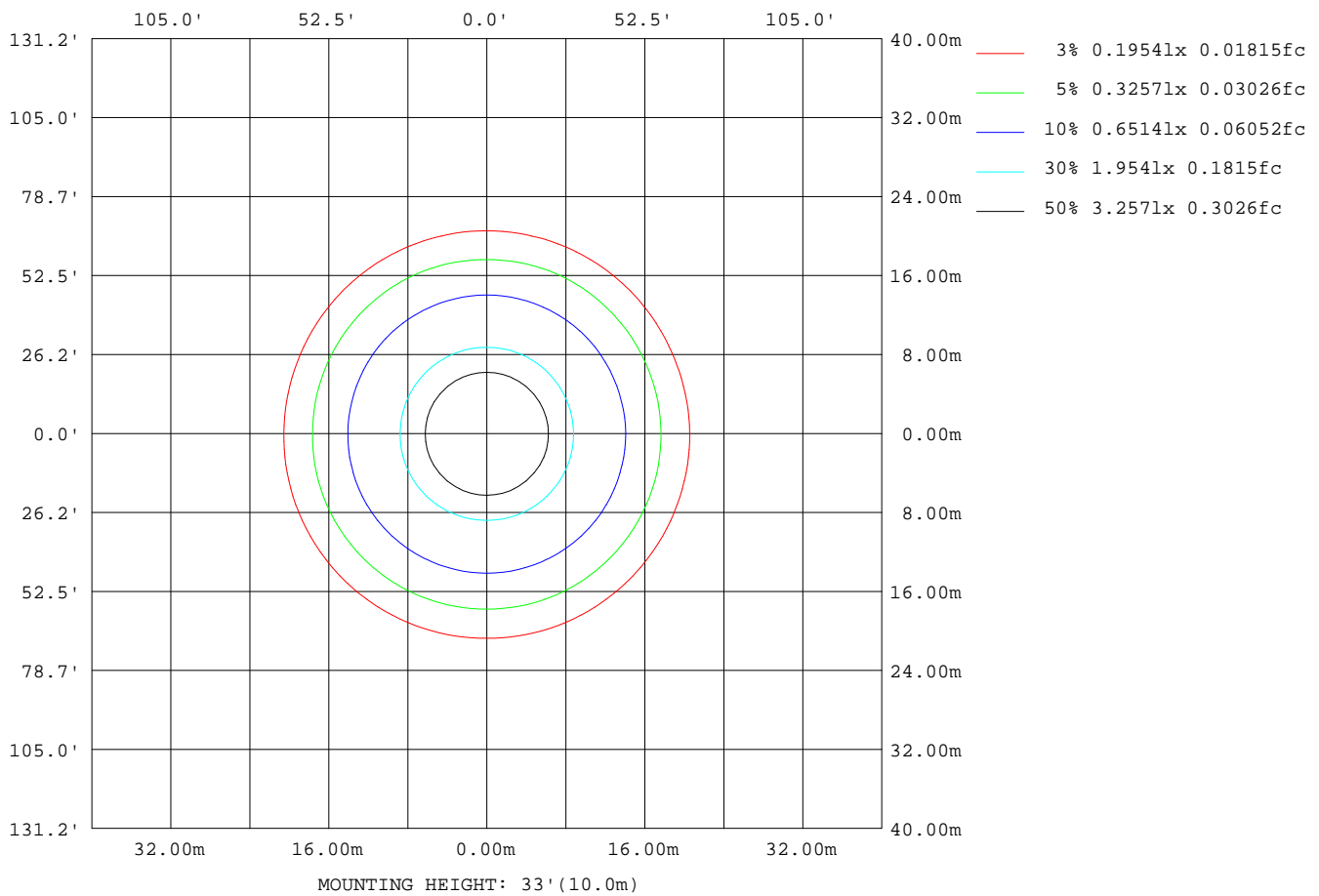
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	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:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

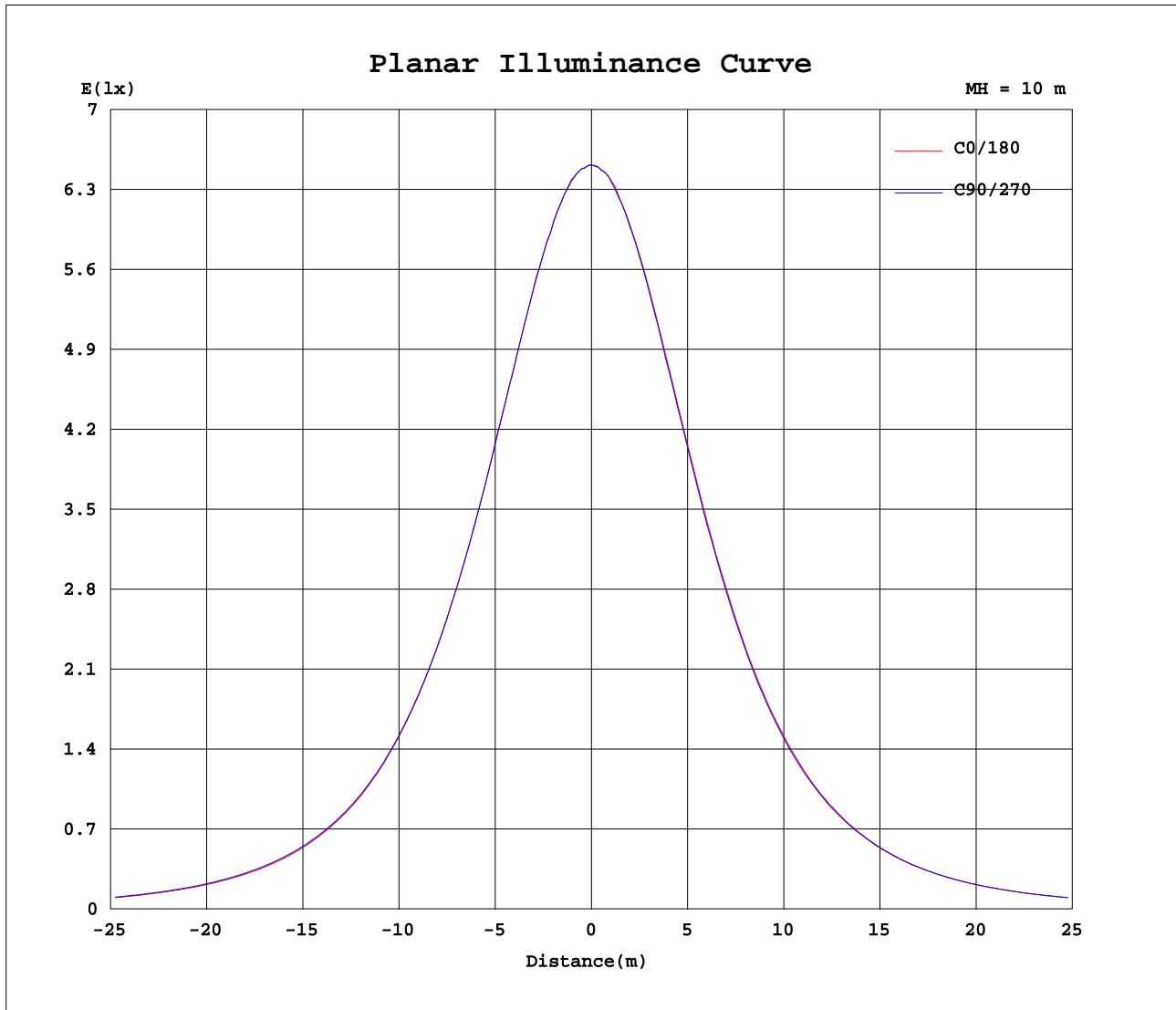
AvgL	cd/m2
L_0~180(65)av	6715
L_0~180(75)av	5654
L_0~180(85)av	3577
L_90~270(65)av	6834
L_90~270(75)av	5811
L_90~270(85)av	4023
L_45(65)av	6790
L_45(75)av	5732
L_45(85)av	3648

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.6DEG
 Operators: Evan
 Test Date: 2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 51%
 Test Distance: 2.532m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2149A P:24.11W PF:0.9350 Lamp Flux:1824.69x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-12D24CC-BK 4000K	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	652	652	652	652	652	652	652	652	652	652	652	652	652	652	652	652			
5	649	649	649	649	649	649	650	648	649	648	649	647	649	648	648	648			
10	640	639	640	640	640	640	641	640	639	639	638	638	638	638	639	638			
15	625	624	625	625	625	625	626	625	625	623	623	622	622	622	623	623			
20	604	604	604	604	604	604	605	605	603	602	602	601	600	601	602	602			
25	578	578	578	578	579	579	579	579	577	576	575	574	574	574	576	575			
30	547	547	547	547	547	548	547	547	546	545	544	543	542	542	543	544			
35	512	512	512	512	512	512	513	513	512	509	508	506	507	506	508	508			
40	472	472	472	473	472	473	474	473	471	470	468	467	466	466	467	469			
45	427	429	429	430	430	430	431	430	429	426	425	423	423	423	425	424			
50	379	381	383	383	384	384	385	385	381	381	378	377	376	376	378	377			
55	329	331	334	335	335	335	336	334	330	329	330	327	327	327	328	326			
60	276	278	281	284	283	284	283	281	277	276	277	277	275	276	274	274			
65	222	224	227	230	230	231	230	227	223	221	223	223	222	222	221	219			
70	168	170	172	176	176	177	175	172	168	167	168	169	167	168	165	165			
75	115	117	119	122	122	123	121	119	114	113	113	114	113	113	112	111			
80	66.5	67.9	69.3	71.5	72.9	72.5	70.7	69.5	65.9	64.9	64.3	64.8	64.9	64.0	62.9	63.3			
85	24.5	25.4	26.8	28.9	30.6	29.3	27.8	26.7	24.3	23.4	23.1	23.7	24.4	23.0	22.0	22.2			
90	0.14	0.15	2.37	2.75	2.98	2.98	2.53	0.27	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
95	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
100	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.16	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.07			
105	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.09			
110	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.11	0.11	0.12	0.12	0.12	0.12	0.11	0.11			
115	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.14	0.13	0.14	0.14	0.14	0.14	0.13	0.14			
120	0.24	0.25	0.24	0.25	0.25	0.25	0.24	0.24	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16			
125	0.29	0.29	0.29	0.29	0.30	0.30	0.29	0.29	0.21	0.20	0.21	0.20	0.20	0.20	0.20	0.19			
130	0.35	0.35	0.35	0.36	0.37	0.37	0.36	0.35	0.23	0.24	0.24	0.24	0.23	0.24	0.23	0.24			
135	0.42	0.43	0.44	0.44	0.45	0.45	0.44	0.42	0.27	0.27	0.28	0.27	0.27	0.27	0.27	0.28			
140	0.54	0.55	0.57	0.57	0.58	0.58	0.56	0.53	0.30	0.29	0.31	0.31	0.31	0.30	0.30	0.31			
145	0.66	0.69	0.72	0.74	0.74	0.74	0.70	0.67	0.33	0.33	0.34	0.36	0.35	0.35	0.34	0.35			
150	0.76	0.81	0.84	0.85	0.85	0.86	0.82	0.79	0.36	0.36	0.37	0.38	0.38	0.38	0.37	0.39			
155	0.88	0.92	0.94	0.95	0.97	0.96	0.93	0.91	0.41	0.39	0.43	0.43	0.42	0.43	0.41	0.45			
160	0.97	0.99	1.00	1.03	1.01	1.02	1.01	0.98	0.48	0.47	0.49	0.47	0.47	0.47	0.46	0.50			
165	0.98	0.98	1.00	1.01	1.03	1.02	1.01	0.97	0.53	0.52	0.51	0.52	0.51	0.51	0.51	0.55			
170	0.93	0.93	0.94	0.93	0.94	0.95	0.94	0.94	0.59	0.59	0.57	0.56	0.55	0.55	0.57	0.59			
175	0.90	0.88	0.88	0.86	0.85	0.86	0.89	0.90	0.69	0.68	0.67	0.64	0.62	0.61	0.65	0.69			
180	0.77	0.76	0.74	0.72	0.72	0.75	0.79	0.80	0.78	0.78	0.77	0.75	0.73	0.73	0.75	0.79			

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