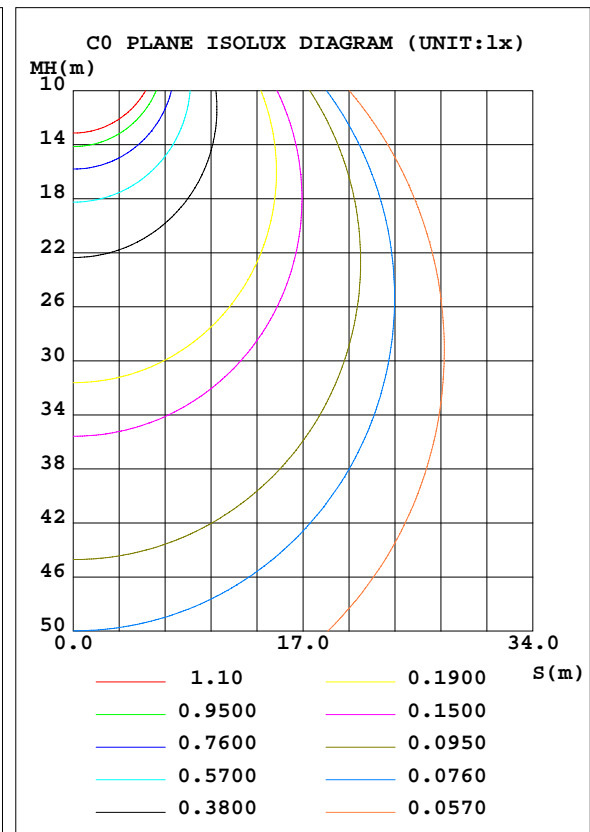
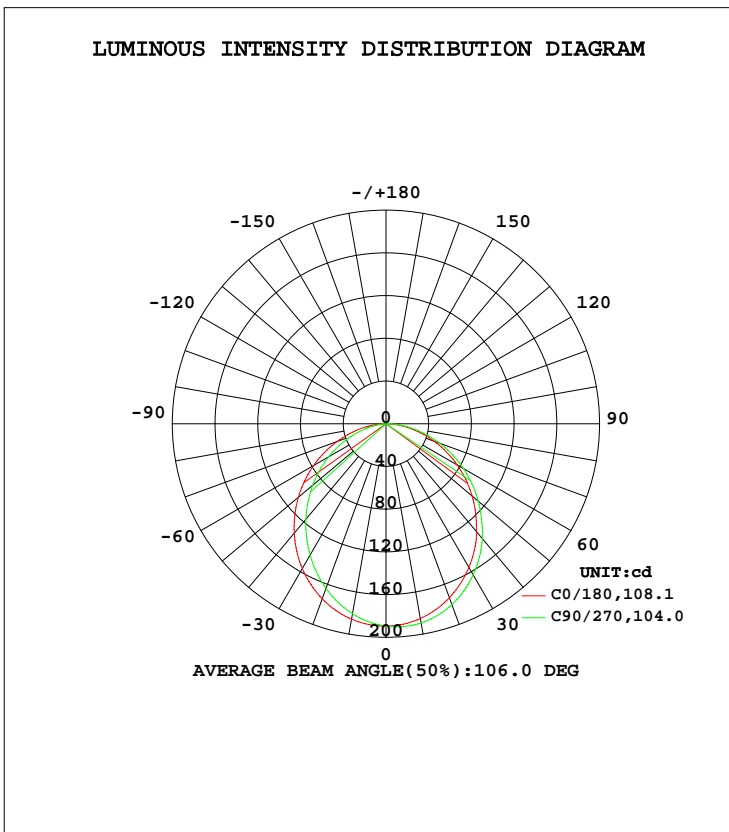


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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			
MODEL	ASD-UCS-18D8CC-XX	Imax(cd)	190.6	S/MH(C0/180)	1.22
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	508.71	η UP, DN(C0-180)	0.1,46.4
NOMINAL FLUX(lm)	508.712	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,53.5
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:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [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	185.8	182.4	180.6	181.8	185.1	188.3	189.3	188.7	0- 10	17.89	17.89	3.52,3.52
20	174.5	167.7	164.1	166.9	173.5	178.7	180.2	179.3	10- 20	50.77	68.66	13.5,13.5
30	156.6	147.1	142.1	146.2	155.3	161.6	163.3	162.6	20- 30	75.72	144.4	28.4,28.4
40	133.7	122.5	116.7	121.5	131.8	139.1	140.4	140.1	30- 40	89.43	233.8	46,46
50	107.1	95.63	89.58	94.71	105.3	111.7	112.8	112.7	40- 50	90.48	324.3	63.7,63.7
60	78.35	67.58	61.99	66.90	76.91	82.75	83.58	83.56	50- 60	79.99	404.3	79.5,79.5
70	48.63	39.49	35.02	39.08	48.04	53.02	53.59	53.53	60- 70	59.95	464.2	91.3,91.3
80	21.34	14.40	11.27	13.97	20.94	24.86	25.12	25.12	70- 80	34.37	498.6	98,98
90	0.0633	0.0300	0.0280	0.0331	0.0200	1.301	1.583	1.267	80- 90	9.525	508.1	99.9,99.9
100	0.0424	0.0469	0.0472	0.0472	0.0218	0.0192	0.0166	0.0173	90-100	0.0665	508.2	99.9,99.9
110	0.0550	0.0599	0.0609	0.0597	0.0393	0.0339	0.0298	0.0317	100-110	0.0419	508.2	99.9,99.9
120	0.0656	0.0712	0.0707	0.0699	0.0618	0.0554	0.0501	0.0511	110-120	0.0532	508.3	99.9,99.9
130	0.0914	0.0983	0.0979	0.0967	0.0846	0.0787	0.0729	0.0728	120-130	0.0656	508.4	99.9,99.9
140	0.1430	0.1507	0.1504	0.1486	0.1063	0.1029	0.0991	0.0977	130-140	0.0803	508.4	99.9,99.9
150	0.2227	0.2320	0.2313	0.2271	0.1285	0.1278	0.1265	0.1246	140-150	0.0945	508.5	100,100
160	0.2756	0.2821	0.2812	0.2767	0.1610	0.1597	0.1615	0.1599	150-160	0.0925	508.6	100,100
170	0.2758	0.2792	0.2764	0.2728	0.1800	0.1795	0.1785	0.1768	160-170	0.0638	508.7	100,100
180	0.2352	0.2350	0.2391	0.2315	0.2334	0.2346	0.2348	0.2324	170-180	0.0219	508.7	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 9.2 %									UNIT:lm		

Conical surface Flux(90deg): 279.69 lm

%lum = 55.0%
 %lamp = 55.0%

Conical surface Flux(120deg): 404.29 lm

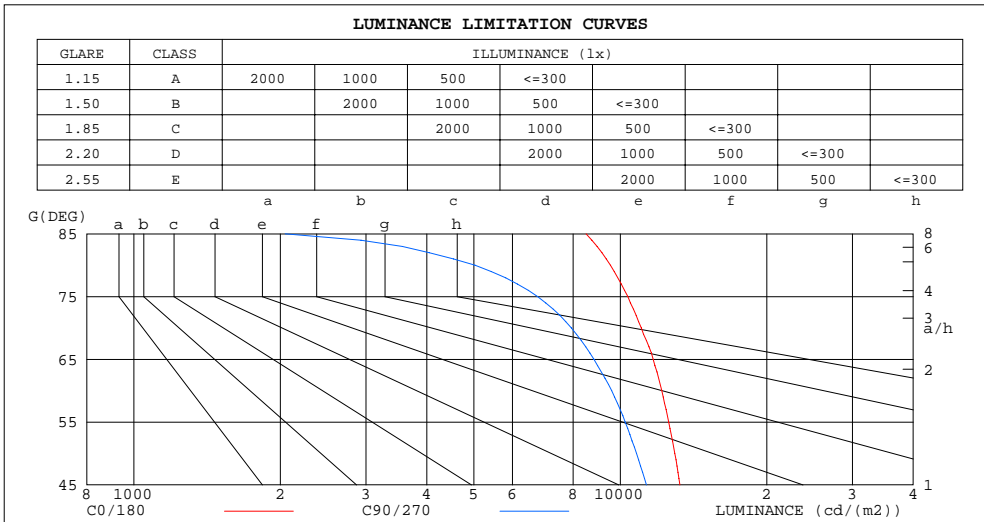
%lum = 79.5%
 %lamp = 79.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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	8503	2046
80	9543	5026
75	10361	6758
70	11043	7932
65	11686	8826
60	12170	9603
55	12573	10230
50	12940	10796
45	13254	11312

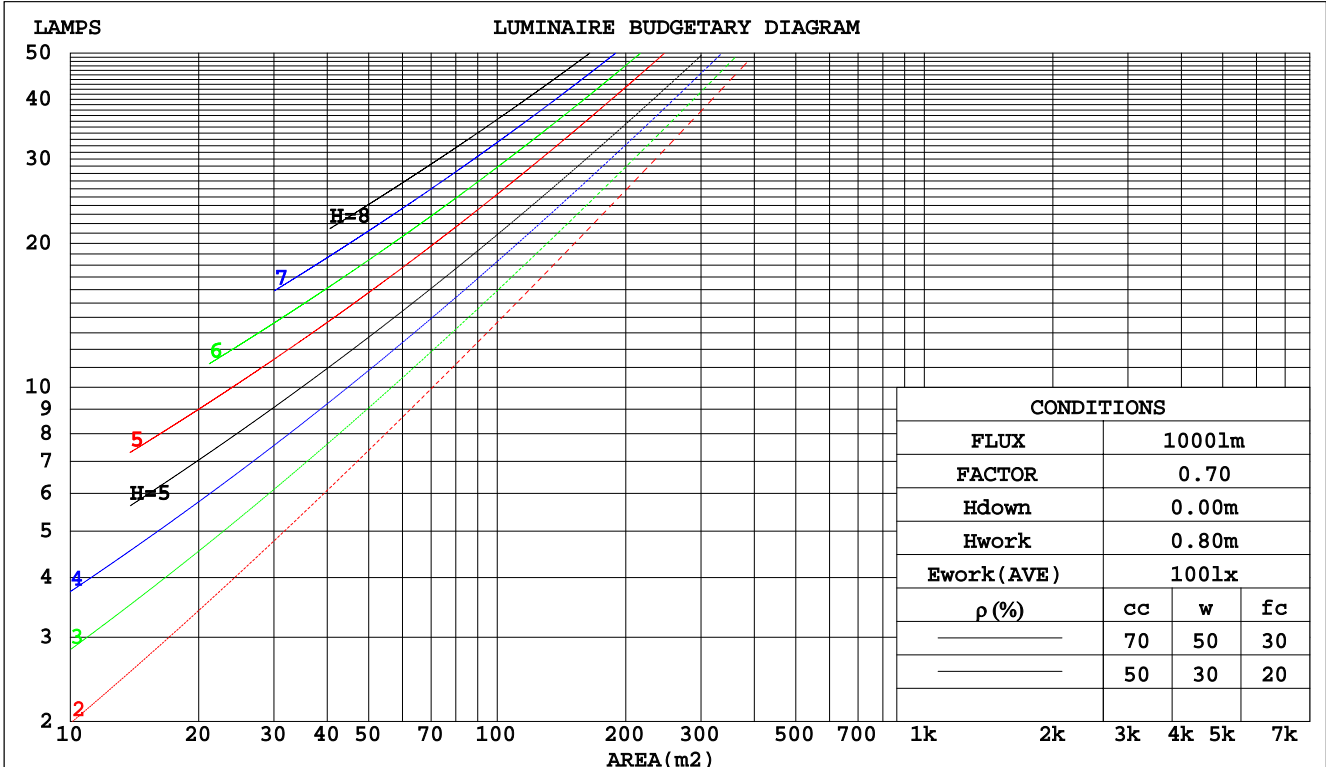
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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	.97	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.52	.46	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: David
 Test Date: 2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 45%
 Test Distance: 2.447m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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	.288	.158	.048	.282	.155	.048	.270	.150	.047	.259	.145	.046	.249	.141	.044	
3.0	.267	.142	.043	.261	.140	.042	.251	.136	.041	.241	.132	.041	.232	.129	.040	
4.0	.246	.128	.038	.241	.126	.037	.232	.123	.037	.224	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.224	.115	.033	.215	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.211	.106	.030	.208	.105	.030	.200	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.197	.097	.028	.194	.096	.027	.187	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
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	.076	.141	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.060	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.150	.091	.048	.128	.079	.042	.088	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.142	.083	.040	.122	.072	.035	.084	.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	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.073	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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	21.3	22.8	21.6	23.0	23.3	20.4	21.9	20.7	22.1	22.3
3H	22.9	24.2	23.2	24.5	24.7	21.6	23.0	21.9	23.3	23.5
4H	23.5	24.8	23.8	25.0	25.3	22.1	23.4	22.4	23.6	23.9
6H	23.9	25.2	24.3	25.5	25.7	22.3	23.5	22.6	23.8	24.1
8H	24.1	25.3	24.4	25.6	25.9	22.3	23.5	22.7	23.8	24.1
12H	24.2	25.4	24.5	25.6	26.0	22.3	23.4	22.6	23.7	24.0
4H 2H	21.8	23.1	22.1	23.4	23.6	21.1	22.4	21.4	22.6	22.9
3H	23.5	24.6	23.8	24.9	25.2	22.4	23.6	22.8	23.9	24.2
4H	24.2	25.3	24.6	25.6	25.9	23.0	24.0	23.3	24.3	24.7
6H	24.8	25.7	25.2	26.1	26.5	23.3	24.2	23.7	24.6	24.9
8H	25.0	25.9	25.4	26.2	26.6	23.3	24.2	23.7	24.6	25.0
12H	25.2	26.0	25.6	26.3	26.7	23.3	24.1	23.8	24.5	24.9
8H 4H	24.3	25.2	24.8	25.6	26.0	23.2	24.1	23.6	24.5	24.9
6H	25.1	25.8	25.5	26.2	26.6	23.6	24.4	24.1	24.8	25.2
8H	25.3	26.0	25.8	26.4	26.9	23.7	24.4	24.2	24.8	25.3
12H	25.6	26.1	26.0	26.6	27.0	23.8	24.3	24.2	24.8	25.2
12H 4H	24.3	25.1	24.8	25.5	25.9	23.2	24.1	23.7	24.4	24.8
6H	25.1	25.7	25.5	26.1	26.6	23.7	24.3	24.2	24.8	25.2
8H	25.4	25.9	25.9	26.4	26.9	23.8	24.4	24.3	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 508.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.3)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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

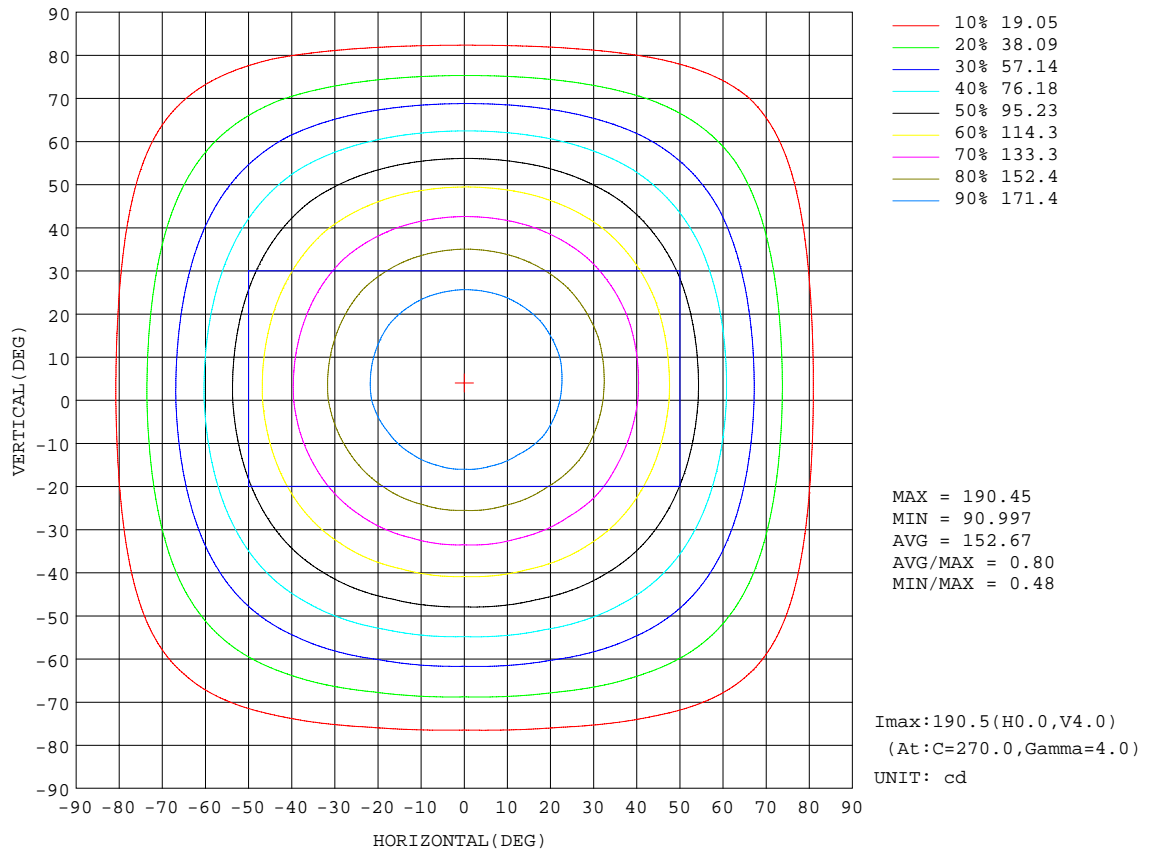
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	68	57	50	67	56	49	66	56	49	42
1.00	77	66	58	75	65	58	73	66	58	51
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	87	83	75
3.00	102	96	90	100	94	89	96	91	87	79
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:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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

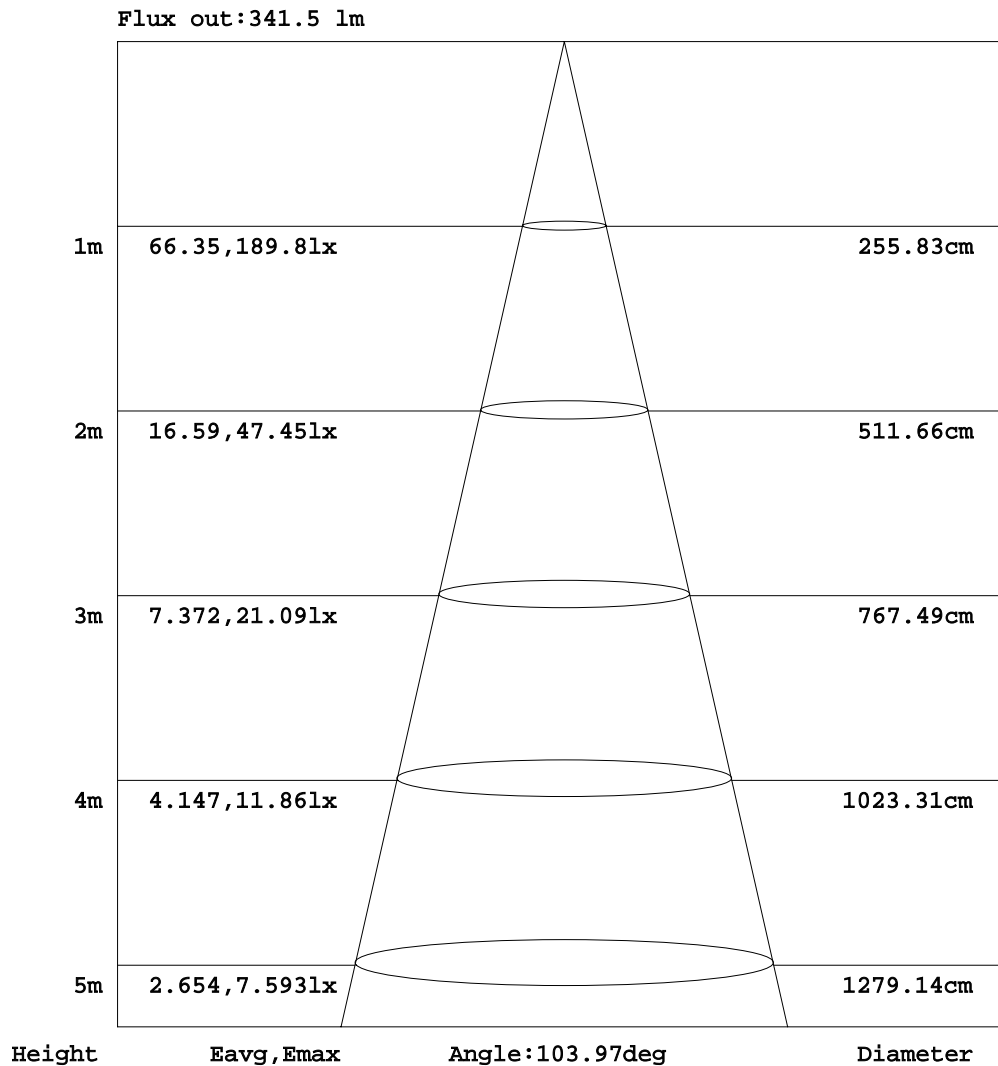


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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 Operators:David
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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



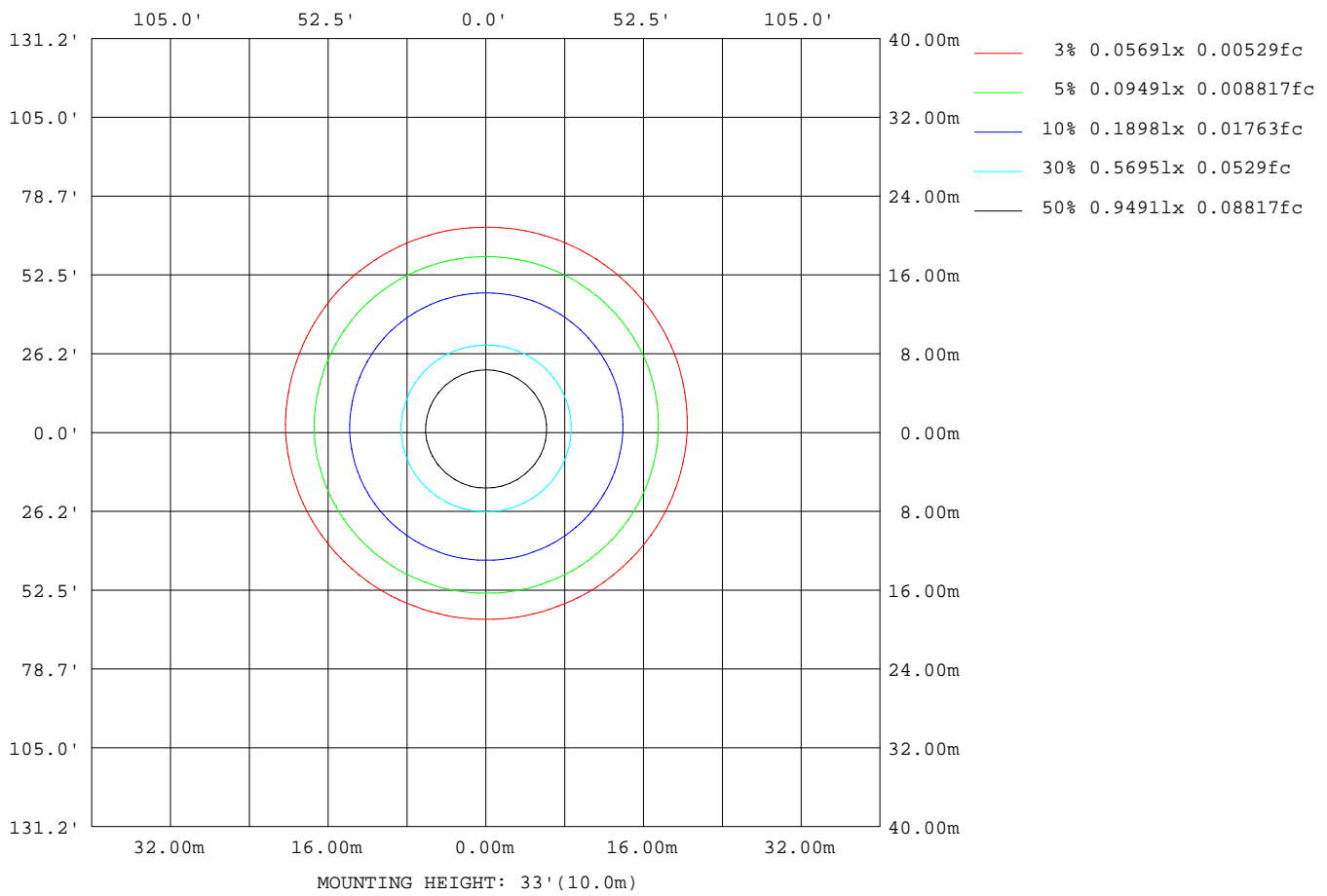
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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

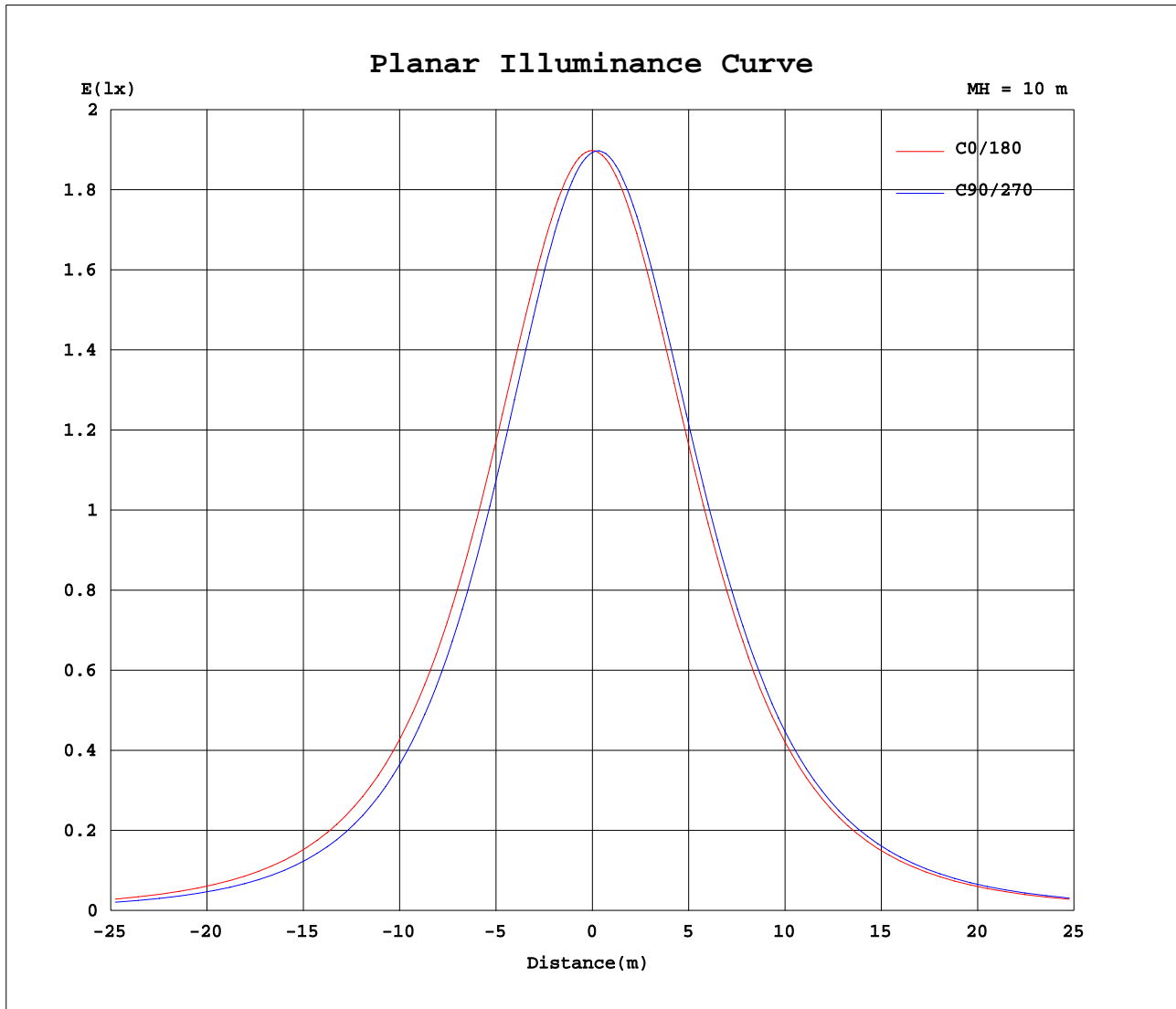
AvgL	cd/m2
L_0~180(65)av	11557
L_0~180(75)av	10273
L_0~180(85)av	8285
L_90~270(65)av	10704
L_90~270(75)av	9214
L_90~270(85)av	6541
L_45(65)av	11111
L_45(75)av	9734
L_45(85)av	7266

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.447m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: David
 Test Date: 2017-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 45%
 Test Distance: 2.447m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0694A P:8.310W PF:0.9980 Lamp Flux:508.712x1 lm		
NAME: ASD-UCS-18D8CC-XX 2700K	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	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189			
5	189	188	187	186	186	186	187	187	188	189	190	190	191	191	190	190			
10	186	184	182	181	181	181	182	183	185	187	188	189	189	189	189	187			
15	181	179	176	174	173	174	175	177	180	182	184	185	186	186	185	184			
20	174	171	168	165	164	165	167	170	173	176	179	180	180	180	179	178			
25	166	163	158	155	154	155	157	161	165	168	171	172	173	173	172	170			
30	157	152	147	144	142	143	146	150	155	158	162	163	163	163	163	161			
35	146	141	135	131	130	131	134	139	144	147	151	152	153	153	152	150			
40	134	128	123	118	117	118	122	127	132	135	139	140	140	141	140	138			
45	121	115	109	105	103	105	108	114	119	122	125	126	127	127	126	125			
50	107	101	95.6	91.3	89.6	90.8	94.7	99.9	105	108	112	112	113	113	113	111			
55	92.9	86.9	81.7	77.4	75.7	77.1	80.9	85.9	91.3	94.2	97.4	98.1	98.4	98.6	98.3	96.8			
60	78.4	72.7	67.6	63.6	62.0	63.2	66.9	71.8	76.9	79.7	82.7	83.3	83.6	83.8	83.6	82.1			
65	63.6	58.2	53.2	49.6	48.2	49.3	52.6	57.4	62.4	64.9	67.9	68.4	68.6	68.8	68.6	67.2			
70	48.6	43.9	39.5	36.3	35.0	36.0	39.1	43.2	48.0	50.3	53.0	53.4	53.6	53.8	53.5	52.3			
75	34.5	30.3	26.5	23.7	22.6	23.5	26.1	29.6	34.1	36.0	38.5	38.9	38.9	39.1	38.9	37.9			
80	21.3	17.8	14.4	12.0	11.3	11.9	14.0	16.9	20.9	22.7	24.9	25.1	25.1	25.3	25.1	24.2			
85	9.54	6.43	3.91	2.56	2.30	2.55	3.81	5.81	9.09	10.7	12.4	12.5	12.4	12.5	12.5	11.9			
90	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.02	0.38	1.30	1.53	1.58	1.51	1.27	0.91			
95	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01			
100	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
105	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03			
110	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03			
115	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04			
120	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05			
125	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.07			
130	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08			
135	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.10	0.09	0.09	0.09	0.09	0.08	0.08	0.09			
140	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
145	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11			
150	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13			
155	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.25	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15			
160	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16			
165	0.28	0.28	0.28	0.29	0.28	0.28	0.28	0.28	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17			
170	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18			
175	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.21			
180	0.24	0.23	0.24	0.23	0.24	0.23	0.23	0.23	0.23	0.24	0.23	0.23	0.23	0.24	0.23	0.23			

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