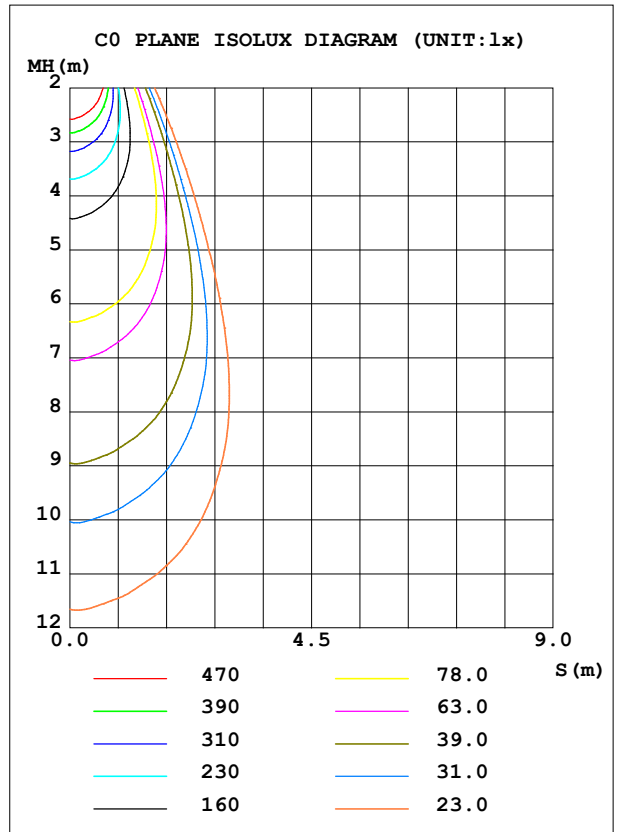
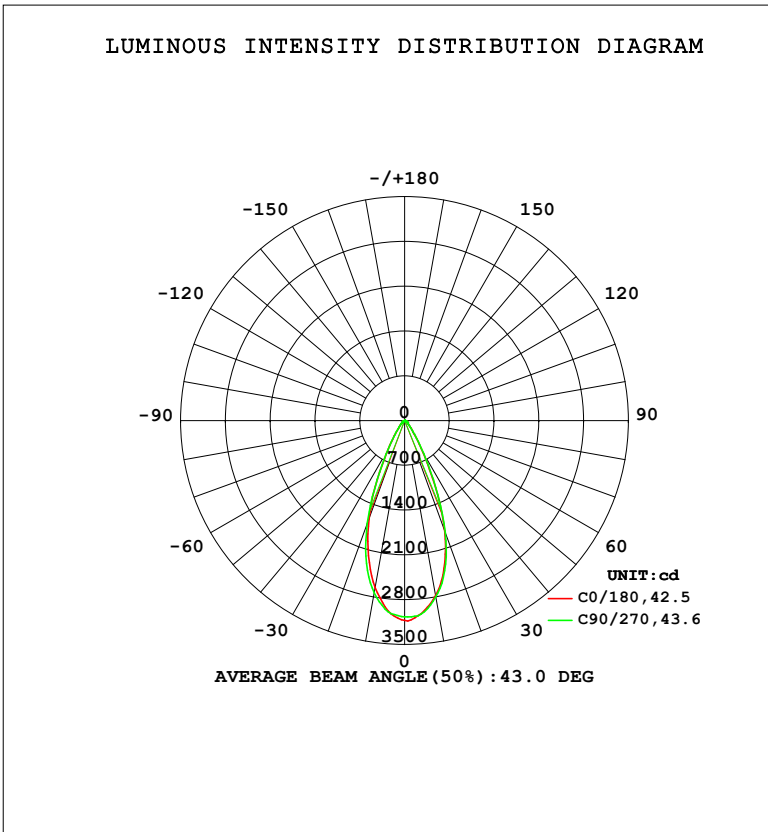


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.79 lm/W
MODEL		I <sub>max</sub> (cd)	3133	S/MH (C0/180)		0.65
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)		0.66
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1737.4	η UP, DN (C0-180)		0.0, 52.7
NOMINAL FLUX (lm)	1737.42	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0, 47.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX		0.70



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

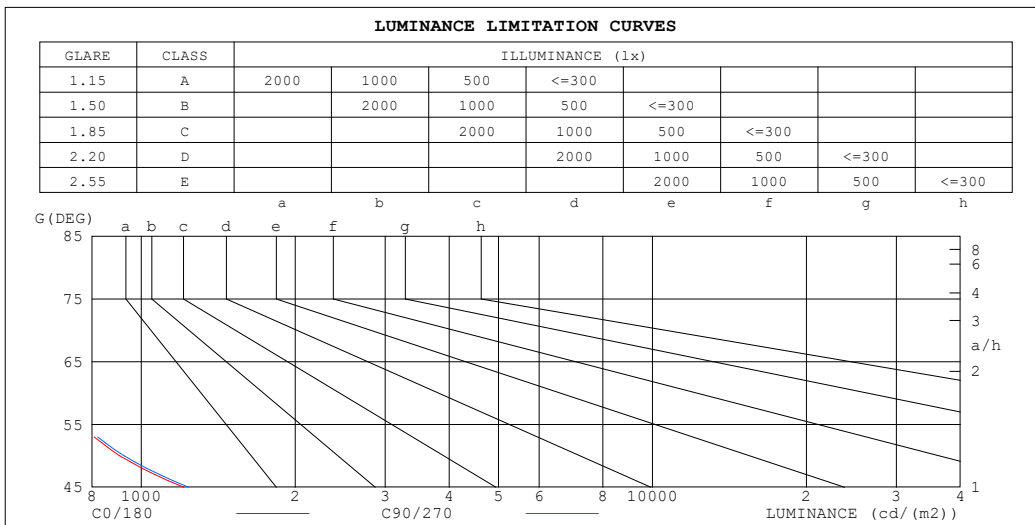
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2784	2878	2802	2757	2652	2643	2737	2702	0- 10	277.7	277.7	16,16
20	1830	1984	1857	1795	1634	1563	1711	1689	10- 20	637.2	914.9	52.7,52.7
30	574.5	639.2	600.2	583.6	516.3	474.9	529.2	517.6	20- 30	496.4	1411	81.2,81.2
40	156.2	174.0	161.7	160.5	139.8	126.7	147.4	134.6	30- 40	183.8	1595	91.8,91.8
50	64.86	68.64	66.12	64.27	61.08	57.39	62.18	58.18	40- 50	73.97	1669	96.1,96.1
60	36.87	33.21	37.13	31.84	35.95	30.51	36.19	30.16	50- 60	41.76	1711	98.5,98.5
70	11.86	6.938	13.75	6.999	13.98	7.456	14.37	7.229	60- 70	21.14	1732	99.7,99.7
80	2.014	1.956	2.036	2.011	2.224	2.176	2.195	2.026	70- 80	4.377	1736	99.9,99.9
90	0.1079	0.0770	0.1221	0.0968	0.1142	0.0644	0.0767	0.0532	80- 90	1.023	1737	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:  
 Test Date:2023-04-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	79	97
80	104	106
75	113	123
70	312	362
65	550	560
60	664	668
55	758	769
50	908	926
45	1211	1238

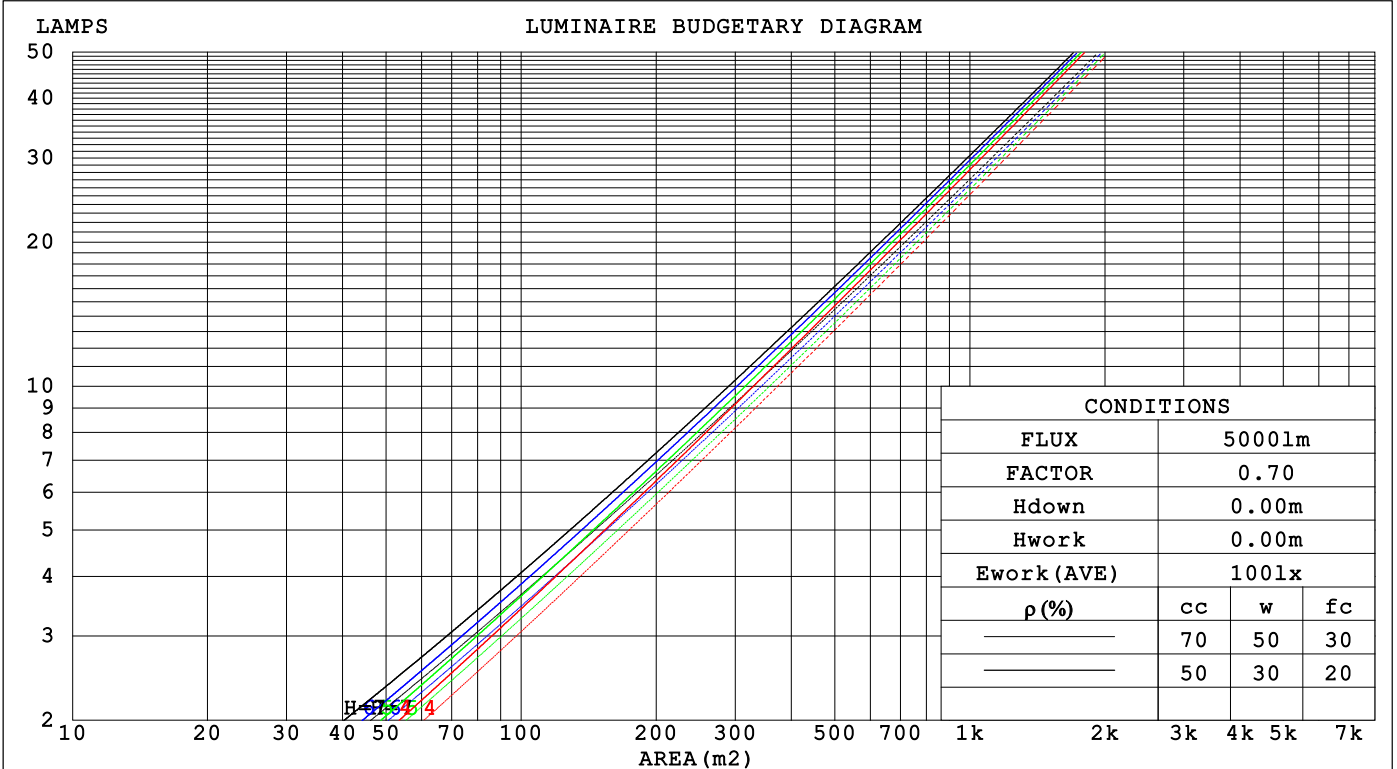
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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															
	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	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.76	.73	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70
7.0	.78	.73	.69	.78	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.68	.66
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.65	.62	.70	.65	.62	.69	.65	.61	.68	.64	.61	.60
10.0	.68	.63	.59	.67	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.58	.57



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.170	.097	.031	.163	.093	.030	.151	.086	.028	.139	.080	.026	.128	.074	.024	
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.136	.076	.024	.127	.072	.023	
3.0	.153	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021	
4.0	.145	.075	.022	.140	.074	.022	.133	.070	.021	.126	.067	.020	.119	.065	.020	
5.0	.137	.070	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019	.115	.061	.018	
6.0	.130	.065	.019	.127	.064	.018	.121	.062	.018	.116	.060	.018	.111	.058	.017	
7.0	.124	.061	.017	.121	.061	.017	.116	.059	.017	.112	.057	.017	.107	.056	.016	
8.0	.119	.058	.016	.116	.057	.016	.112	.056	.016	.107	.054	.016	.103	.053	.015	
9.0	.113	.055	.015	.111	.054	.015	.107	.053	.015	.103	.052	.015	.100	.051	.015	
10.0	.109	.052	.014	.107	.052	.014	.103	.050	.014	.100	.049	.014	.096	.048	.014	

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.068	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.032	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.054	.028	.079	.046	.025	.055	.033	.018	.032	.019	.010	.010	.006	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-04-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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	6.1	7.0	6.3	7.1	7.3	6.2	7.1	6.4	7.2	7.4
3H	6.2	7.0	6.5	7.2	7.4	6.3	7.1	6.6	7.3	7.5
4H	6.2	6.9	6.4	7.1	7.4	6.3	7.0	6.5	7.3	7.5
6H	6.1	6.8	6.4	7.0	7.3	6.2	6.9	6.5	7.2	7.4
8H	6.1	6.7	6.4	7.0	7.3	6.2	6.9	6.5	7.1	7.4
12H	6.0	6.7	6.3	6.9	7.2	6.1	6.8	6.4	7.1	7.3
4H 2H	6.1	6.8	6.3	7.1	7.3	6.2	6.9	6.4	7.1	7.4
3H	6.2	6.9	6.5	7.1	7.4	6.3	7.0	6.6	7.2	7.5
4H	6.2	6.8	6.5	7.1	7.4	6.3	6.9	6.6	7.2	7.5
6H	6.1	6.6	6.5	7.0	7.3	6.2	6.7	6.6	7.1	7.4
8H	6.0	6.5	6.4	6.9	7.3	6.2	6.6	6.5	7.0	7.4
12H	6.0	6.5	6.4	6.8	7.2	6.1	6.6	6.5	6.9	7.3
8H 4H	6.0	6.5	6.4	6.9	7.2	6.1	6.6	6.5	7.0	7.3
6H	6.0	6.4	6.4	6.8	7.2	6.1	6.5	6.5	6.9	7.3
8H	5.9	6.3	6.4	6.7	7.1	6.0	6.4	6.5	6.8	7.2
12H	5.9	6.2	6.4	6.6	7.1	6.0	6.3	6.5	6.7	7.2
12H 4H	6.0	6.4	6.4	6.8	7.2	6.1	6.5	6.5	6.9	7.3
6H	5.9	6.3	6.4	6.7	7.1	6.0	6.4	6.5	6.8	7.2
8H	5.9	6.2	6.3	6.6	7.1	6.0	6.3	6.5	6.7	7.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.5 / - 2.4	+ 1.5 / - 2.4
1.5H	+ 2.6 / - 1.7	+ 2.7 / - 1.6
2.0H	+ 2.0 / - 1.8	+ 2.1 / - 1.8

CIE Pub.117, 1737 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.9)  
 Area: 0.111111 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

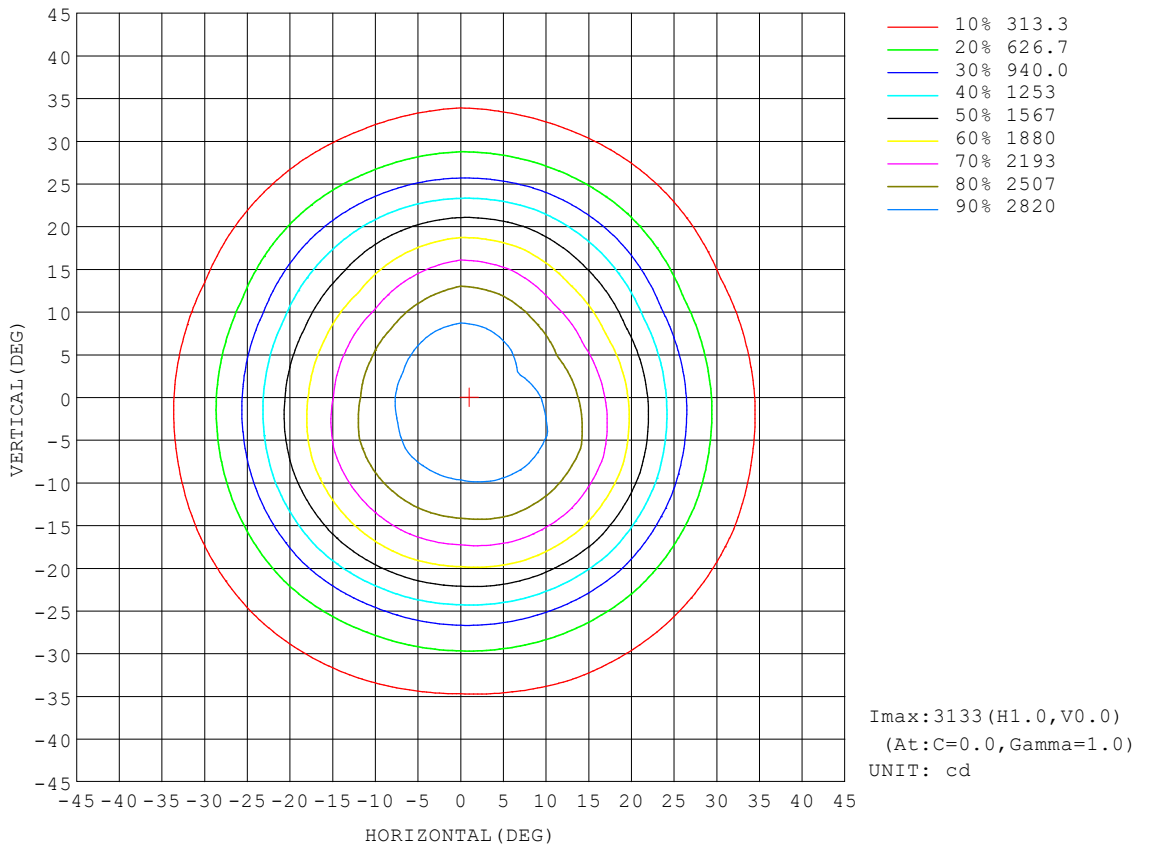
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	102	97	93	100	96	93	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
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:25.3°C  
 Operators:  
 Test Date:2023-04-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



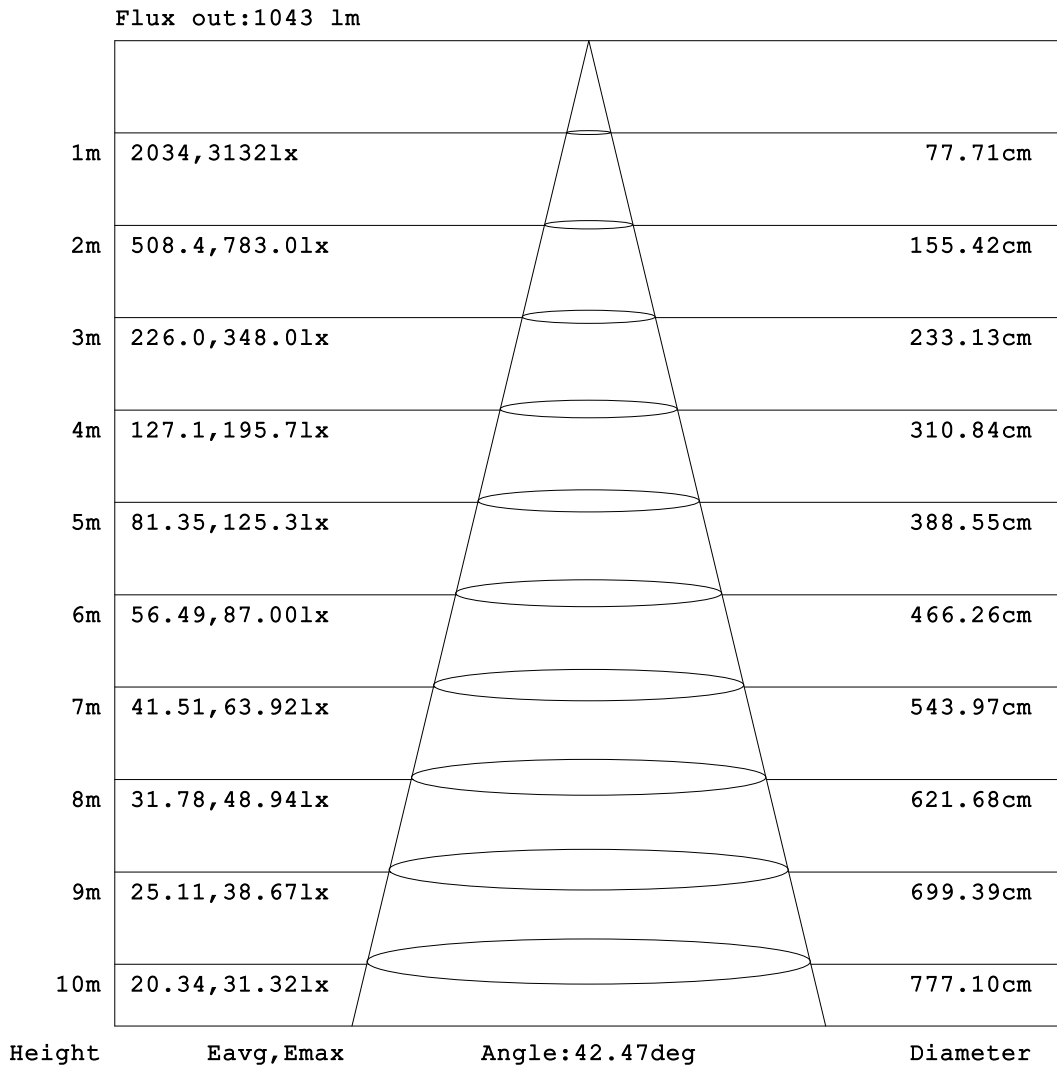
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



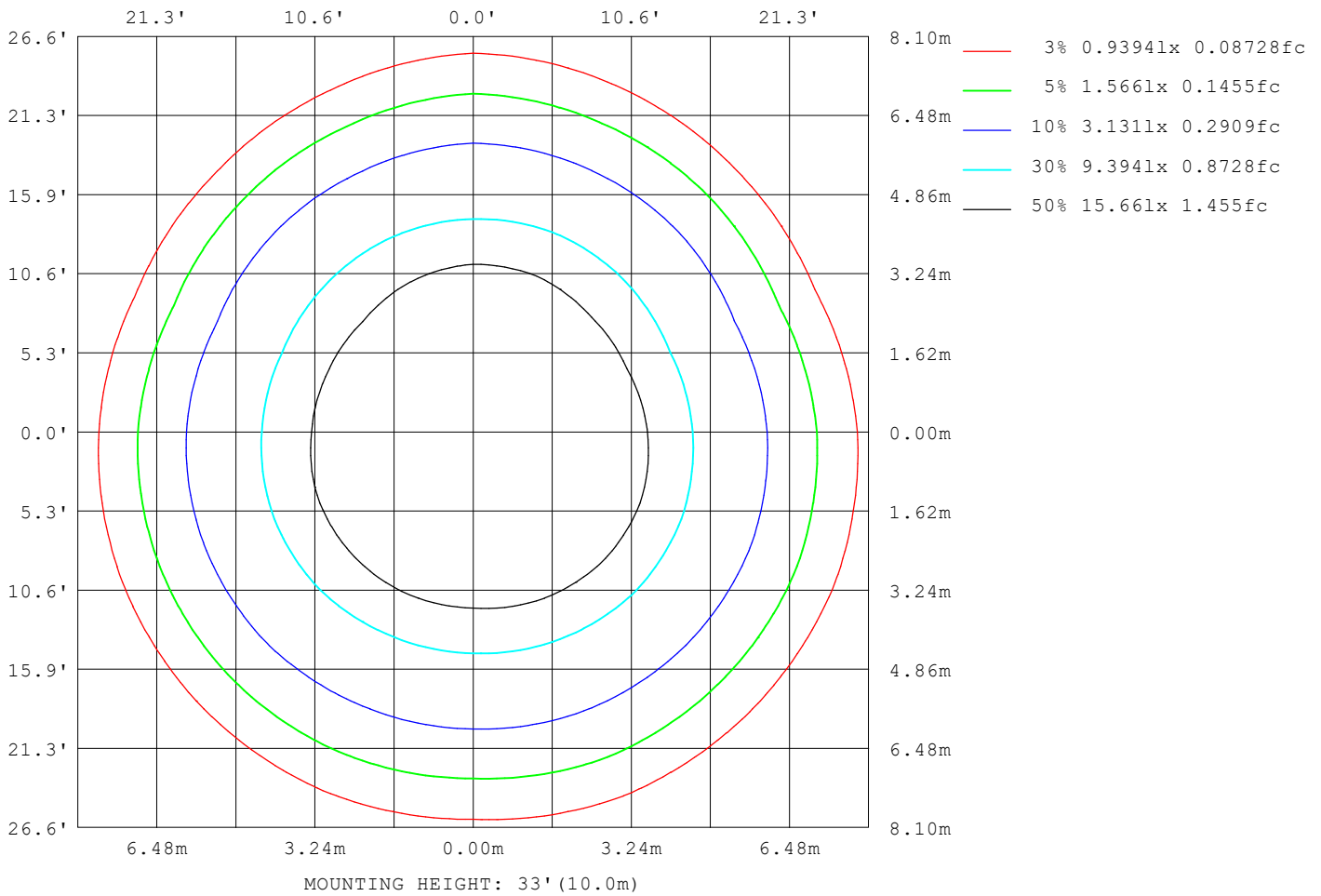
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

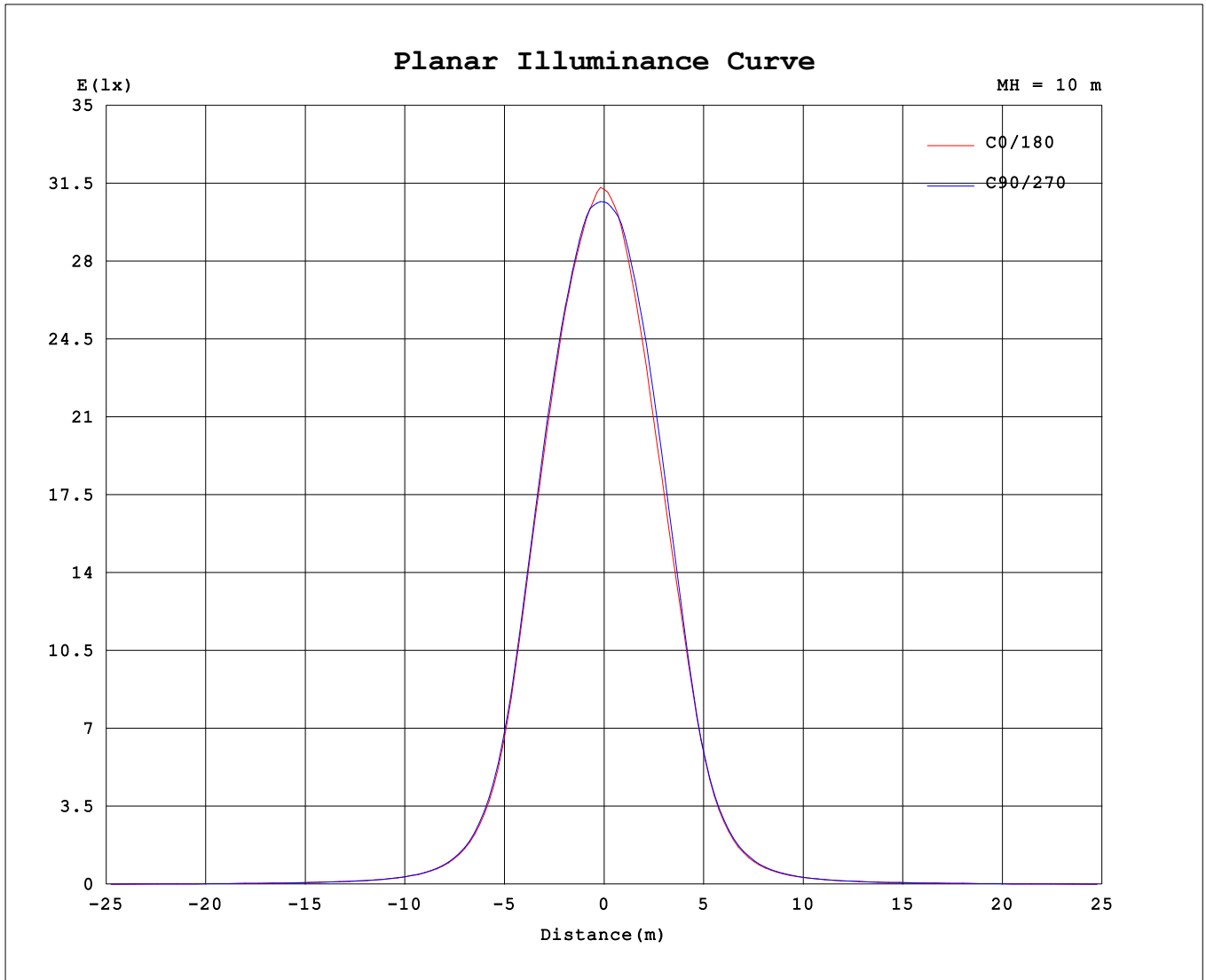
AvgL	cd/m2
L_0~180 (65) av	553
L_0~180 (75) av	121
L_0~180 (85) av	90
L_90~270 (65) av	561
L_90~270 (75) av	132
L_90~270 (85) av	103
L_45 (65) av	378
L_45 (75) av	105
L_45 (85) av	91

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-04-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.72V I:0.1921A P:22.624W PF:0.9839 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1737.42x1 lm		
NAME: ASD-CD-TS-6D24AC-WH	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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	3123	3106	3091	3080	3067	3057	3043	3032	3123	3106	3091	3080	3067	3057	3043	3032			
5	3029	3043	3052	3058	3036	3015	2984	2946	2984	2968	2991	3003	3000	2987	2956	2924			
10	2784	2868	2878	2849	2802	2778	2757	2707	2652	2626	2643	2692	2737	2733	2702	2667			
15	2391	2532	2534	2504	2431	2403	2357	2305	2185	2137	2118	2214	2312	2297	2236	2262			
20	1830	1954	1984	1943	1857	1838	1795	1736	1634	1559	1563	1645	1711	1733	1689	1697			
25	1124	1227	1258	1208	1156	1128	1134	1086	1012	945	978	1000	1022	1056	1047	1018			
30	575	627	639	624	600	582	584	555	516	455	475	491	529	519	518	495			
35	291	319	323	323	301	303	296	280	261	225	230	243	270	256	253	244			
40	156	171	174	174	162	165	160	152	140	127	127	135	147	141	135	134			
45	95.1	102	105	103	97.2	99.3	97.1	92.5	87.0	81.4	81.0	85.0	89.9	88.1	83.8	84.3			
50	64.9	67.1	68.6	67.8	66.1	66.0	64.3	62.3	61.1	57.7	57.4	59.2	62.2	60.5	58.2	58.6			
55	48.3	48.5	48.7	48.8	49.0	47.8	46.0	45.7	46.5	43.5	42.6	44.4	46.9	45.1	42.8	43.7			
60	36.9	35.3	33.2	35.6	37.1	34.8	31.8	33.7	35.9	32.2	30.5	32.9	36.2	33.2	30.2	32.1			
65	25.8	21.7	17.7	21.7	26.3	21.5	17.8	21.5	26.1	20.9	18.1	21.3	26.4	21.1	17.4	20.1			
70	11.9	8.59	6.94	8.59	13.7	8.53	7.00	8.94	14.0	8.88	7.46	9.07	14.4	8.96	7.23	8.16			
75	3.24	3.12	2.98	3.11	3.55	3.12	3.01	3.22	3.73	3.27	3.13	3.31	4.04	3.22	2.97	3.00			
80	2.01	2.01	1.96	2.08	2.04	2.11	2.01	2.14	2.22	2.19	2.18	2.26	2.20	2.20	2.03	1.95			
85	0.76	0.77	0.82	0.90	0.94	0.96	0.88	0.90	0.98	0.91	0.97	1.05	1.06	1.00	0.86	0.72			
90	0.11	0.06	0.08	0.07	0.12	0.16	0.10	0.06	0.11	0.06	0.06	0.07	0.08	0.06	0.05	0.06			

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