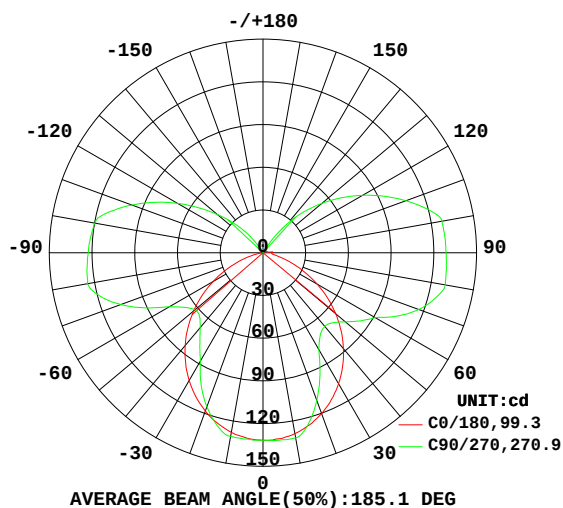


LUMINAIRE PHOTOMETRIC TEST REPORT

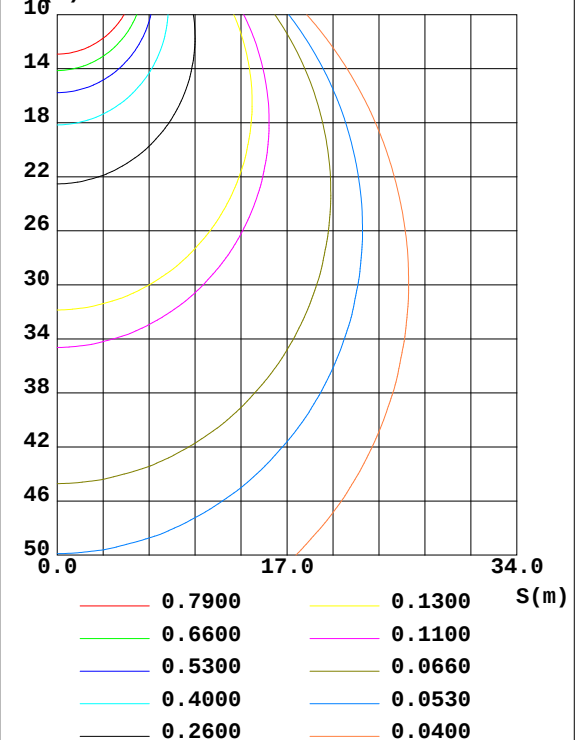
Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.63 lm/W			
MODEL	PSZ2S220516016-10	I _{max} (cd)	132.3	S/MH(C0/180)	1.20
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.98
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	666.75	η UP, DN(C0-180)	15.2, 33.2
NOMINAL FLUX(lm)	666.745	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	17.2, 34.5
LAMPS INSIDE	1	η up(%)	32.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	67.7	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:46%
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	128.0	129.2	130.9	130.2	129.0	131.0	132.0	129.8	0- 10	12.49	12.49	1.87,1.87
20	118.3	119.0	115.2	121.5	120.3	120.0	110.6	118.5	10- 20	35.31	47.80	7.17,7.17
30	103.6	96.87	87.96	100.1	106.1	93.40	78.65	91.97	20- 30	49.39	97.19	14.6,14.6
40	85.11	69.71	68.63	72.72	87.82	64.32	67.59	62.42	30- 40	52.65	149.8	22.5,22.5
50	63.58	51.04	62.52	53.48	66.70	52.90	75.53	49.95	40- 50	50.95	200.8	30.1,30.1
60	40.57	43.30	75.79	45.24	43.76	54.96	91.12	51.24	50- 60	50.42	251.2	37.7,37.7
70	18.37	52.48	106.3	53.98	22.04	65.06	116.5	60.56	60- 70	56.28	307.5	46.1,46.1
80	2.756	69.56	125.2	71.87	7.858	77.82	130.1	72.76	70- 80	68.75	376.2	56.4,56.4
90	0.0442	68.52	122.8	71.07	6.274	76.78	128.6	71.45	80- 90	74.91	451.2	67.7,67.7
100	0.0528	64.65	119.9	67.29	3.411	73.98	127.6	68.70	90-100	73.00	524.1	78.6,78.6
110	0.0609	46.76	98.11	48.77	2.496	57.17	106.9	52.35	100-110	61.96	586.1	87.9,87.9
120	0.0780	29.11	69.47	30.60	1.641	40.03	80.82	36.14	110-120	42.58	628.7	94.3,94.3
130	0.1122	13.92	41.93	14.75	1.007	21.84	54.11	18.98	120-130	24.71	653.4	98,98
140	0.1648	0.9222	19.03	1.508	0.6050	2.212	26.95	1.792	130-140	10.88	664.3	99.6,99.6
150	0.2383	0.5006	0.8047	0.7921	0.3662	0.7543	1.286	0.4147	140-150	2.131	666.4	99.9,99.9
160	0.2887	0.4705	0.5507	0.5726	0.2279	0.3619	0.4398	0.4508	150-160	0.2193	666.6	100,100
170	0.2735	0.3026	0.3645	0.3121	0.1686	0.1969	0.2415	0.2334	160-170	0.1004	666.7	100,100
180	0.2228	0.2089	0.2026	0.2110	0.2240	0.2204	0.2023	0.2015	170-180	0.0225	666.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 175.56 lm

%lum = 26.3%

%lamp = 26.3%

Conical surface Flux(120deg): 251.22 lm

%lum = 37.7%

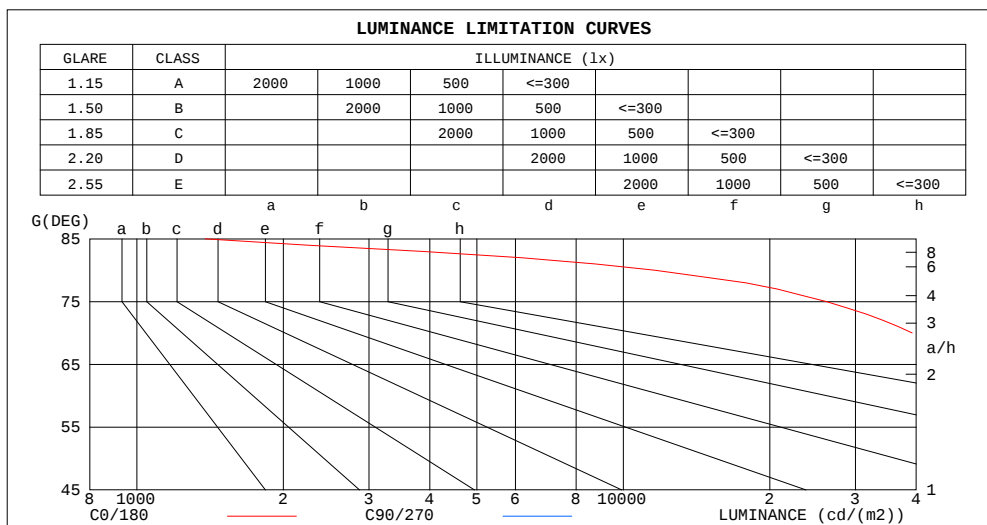
%lamp = 37.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:46%
Test Distance:2.526m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 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	1381	1035115
80	11590	524641
75	26138	332351
70	39225	226090
65	50307	157716
60	59266	110309
55	66381	84965
50	72244	70776
45	77029	64947

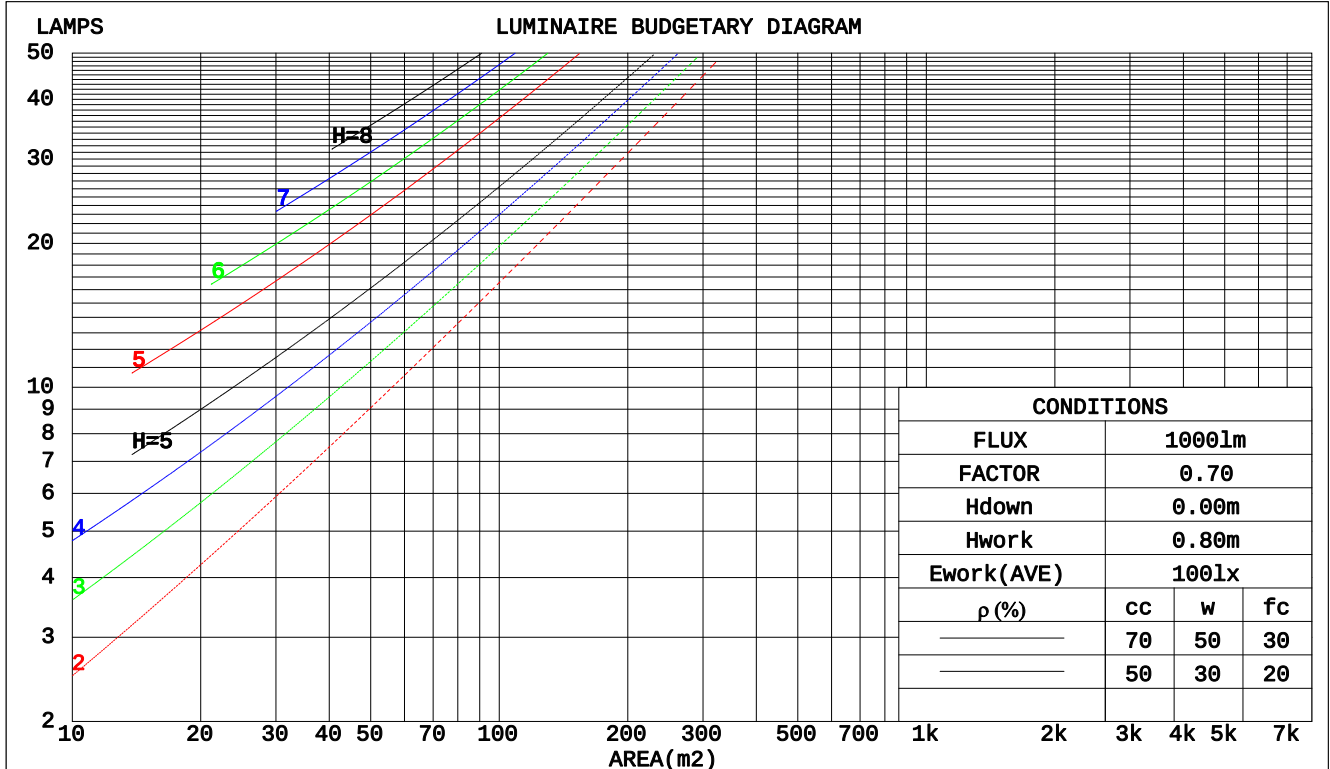
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:46%
Test Distance:2.526m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 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

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.82	.82	.82	.72	.72	.72	.68
1.0	.90	.84	.79	.85	.80	.75	.74	.70	.66	.65	.62	.59	.56	.54	.51	.47
2.0	.77	.69	.62	.72	.65	.59	.63	.57	.52	.55	.50	.46	.47	.44	.41	.37
3.0	.67	.58	.50	.63	.54	.48	.55	.48	.43	.48	.43	.38	.41	.37	.33	.30
4.0	.59	.49	.42	.55	.47	.40	.49	.42	.36	.42	.37	.32	.37	.32	.28	.25
5.0	.52	.43	.36	.49	.41	.34	.43	.36	.31	.38	.32	.28	.33	.28	.25	.21
6.0	.47	.38	.31	.44	.36	.30	.39	.32	.27	.35	.29	.24	.30	.25	.22	.19
7.0	.43	.34	.27	.40	.32	.26	.36	.29	.24	.32	.26	.22	.28	.23	.19	.17
8.0	.39	.30	.24	.37	.29	.23	.33	.26	.21	.29	.23	.19	.25	.21	.17	.15
9.0	.36	.27	.22	.34	.26	.21	.30	.24	.19	.27	.21	.17	.24	.19	.16	.14
10.0	.33	.25	.20	.31	.24	.19	.28	.22	.17	.25	.20	.16	.22	.18	.14	.12



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:46%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm									
NAME: ASD-LWS24W-14D12CC-BK 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	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.421	.240	.076	.404	.231	.073	.372	.214	.068	.343	.198	.063	.315	.183	.059	
2.0	.347	.190	.058	.331	.182	.056	.302	.168	.052	.275	.154	.048	.250	.142	.045	
3.0	.300	.160	.048	.286	.153	.046	.260	.141	.043	.235	.129	.040	.212	.118	.036	
4.0	.266	.138	.041	.254	.133	.039	.229	.122	.036	.207	.111	.034	.186	.101	.031	
5.0	.240	.122	.035	.228	.117	.034	.206	.107	.032	.185	.098	.029	.166	.089	.027	
6.0	.218	.110	.031	.208	.105	.030	.187	.096	.028	.168	.088	.026	.151	.079	.024	
7.0	.201	.099	.028	.191	.095	.027	.172	.087	.025	.155	.079	.023	.138	.072	.021	
8.0	.186	.091	.025	.177	.087	.025	.159	.080	.023	.143	.072	.021	.128	.066	.019	
9.0	.173	.083	.023	.164	.080	.022	.148	.073	.021	.133	.067	.019	.119	.060	.017	
10.0	.161	.077	.021	.154	.074	.021	.139	.068	.019	.125	.062	.018	.111	.056	.016	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.437	.437	.437	.373	.373	.373	.255	.255	.255	.146	.146	.146	.047	.047	.047	
1.0	.436	.404	.374	.373	.346	.322	.255	.238	.223	.147	.138	.129	.047	.044	.042	
2.0	.430	.382	.341	.368	.329	.295	.252	.227	.206	.145	.132	.121	.047	.043	.039	
3.0	.422	.366	.321	.362	.316	.279	.248	.219	.195	.143	.128	.115	.046	.042	.038	
4.0	.414	.354	.308	.355	.306	.268	.244	.213	.189	.141	.125	.112	.045	.041	.037	
5.0	.406	.344	.299	.348	.298	.260	.240	.208	.184	.139	.122	.109	.045	.040	.036	
6.0	.398	.337	.293	.342	.292	.255	.236	.204	.180	.137	.120	.107	.044	.039	.035	
7.0	.391	.330	.288	.336	.286	.251	.232	.201	.178	.135	.118	.106	.044	.039	.035	
8.0	.384	.325	.284	.331	.282	.248	.229	.198	.176	.133	.117	.105	.043	.038	.035	
9.0	.378	.320	.281	.326	.278	.245	.226	.195	.174	.131	.115	.104	.043	.038	.034	
10.0	.372	.316	.279	.321	.274	.243	.223	.193	.173	.130	.114	.103	.042	.038	.034	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:46%
Test Distance:2.526m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm											
NAME: ASD-LWS24W-14D12CC-BK 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	24.7	25.9	25.3	26.6	27.4	27.5	28.7	28.2	29.4	30.3	
	3H	25.5	26.6	26.2	27.4	28.2	32.4	33.6	33.1	34.3	
	4H	25.8	26.9	26.5	27.6	28.5	35.1	36.2	35.8	36.9	
	6H	26.0	27.0	26.7	27.7	28.7	37.9	38.9	38.6	39.7	
	8H	26.0	27.0	26.8	27.7	28.7	39.3	40.3	40.0	41.0	
	12H	26.0	26.9	26.8	27.7	28.7	40.8	41.7	41.6	42.5	
4H	2H	25.8	26.8	26.5	27.6	28.5	28.0	29.0	28.7	29.8	
	3H	27.1	28.0	27.9	28.8	29.8	33.2	34.1	34.0	34.9	
	4H	27.6	28.5	28.4	29.3	30.3	36.1	37.0	36.9	37.8	
	6H	28.1	28.9	28.9	29.7	30.7	39.1	39.9	40.0	40.7	
	8H	28.3	29.0	29.1	29.9	30.9	40.7	41.4	41.5	42.2	
	12H	28.5	29.2	29.3	30.0	31.0	42.3	43.0	43.1	43.8	
8H	4H	30.9	31.6	31.7	32.4	33.4	36.4	37.2	37.2	38.0	
	6H	32.0	32.6	32.8	33.5	34.5	39.8	40.4	40.6	41.3	
	8H	32.4	33.0	33.3	33.9	34.9	41.6	42.1	42.4	43.0	
	12H	32.8	33.3	33.6	34.2	35.3	43.5	44.0	44.3	44.9	
12H	4H	32.1	32.8	33.0	33.7	34.7	36.4	37.1	37.2	37.9	
	6H	33.7	34.3	34.6	35.2	36.3	39.9	40.5	40.7	41.3	
	8H	34.5	35.0	35.4	35.9	37.0	41.8	42.3	42.6	43.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.1 / - 0.1					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3					

CIE Pub.117, 666.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:46%
Test Distance:2.526m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 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

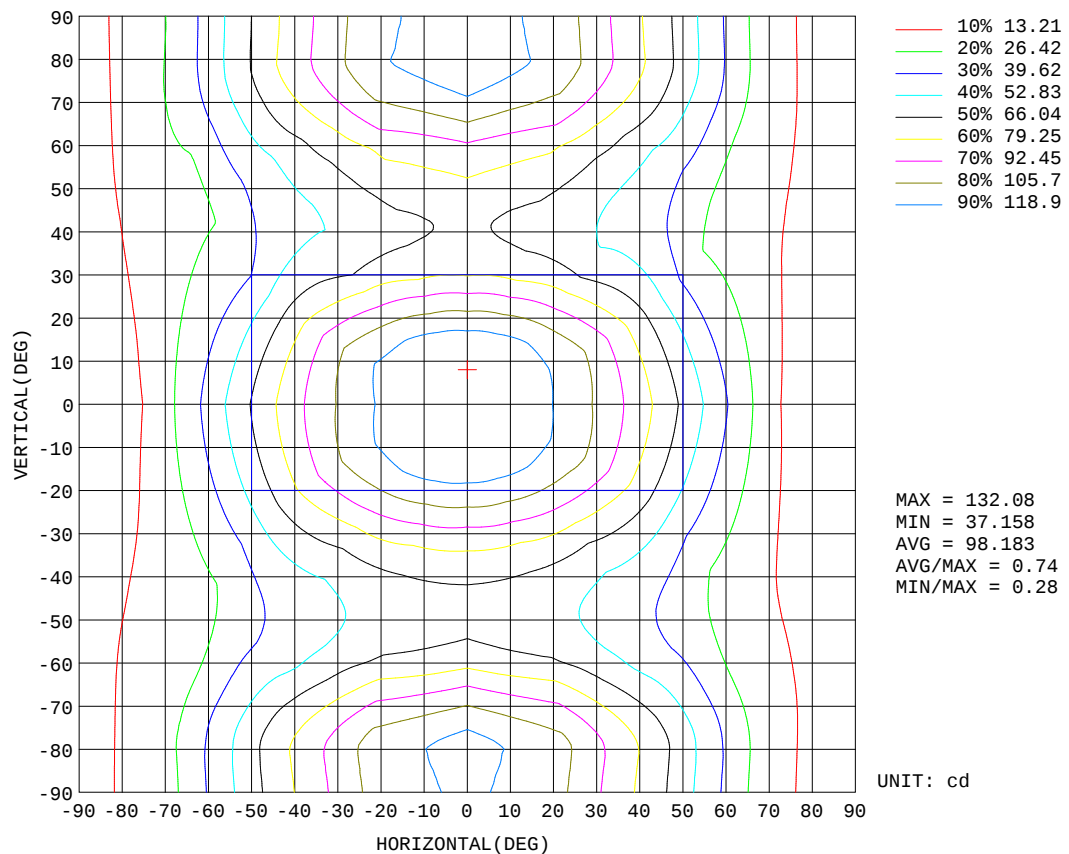
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	31	24	42	31	24	40	30	23	17
0.80	52	38	30	50	38	30	47	36	29	21
1.00	59	45	36	56	44	35	52	43	34	25
1.25	65	51	42	62	50	41	57	46	39	28
1.50	70	57	47	67	55	46	61	51	43	31
2.00	77	65	55	73	62	53	66	57	50	36
2.50	82	70	61	77	67	59	70	61	54	39
3.00	86	75	66	81	71	63	72	65	58	42
4.00	91	81	73	86	77	70	76	70	64	45
5.00	94	86	78	89	81	75	79	73	68	48
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:24.8DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:46%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 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

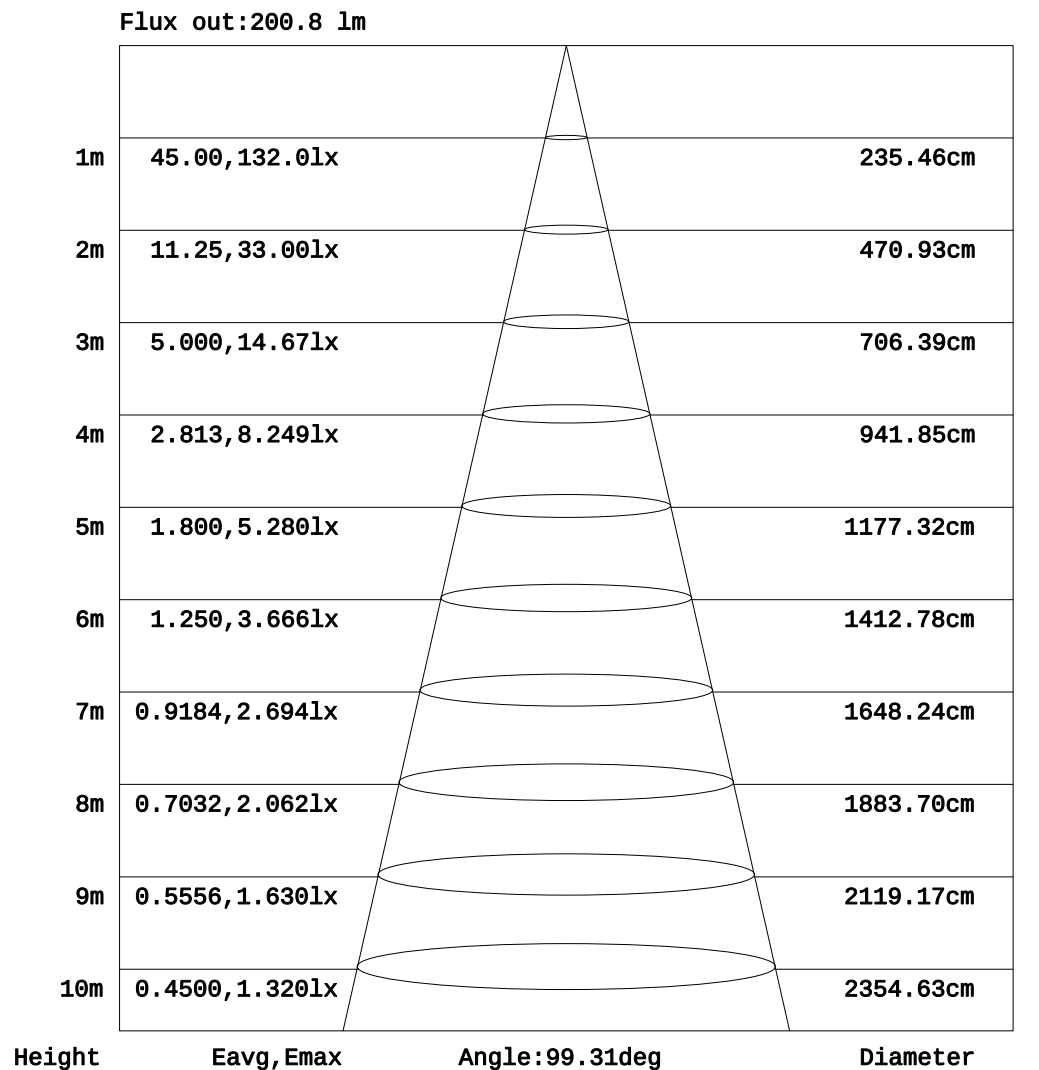


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:46%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 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



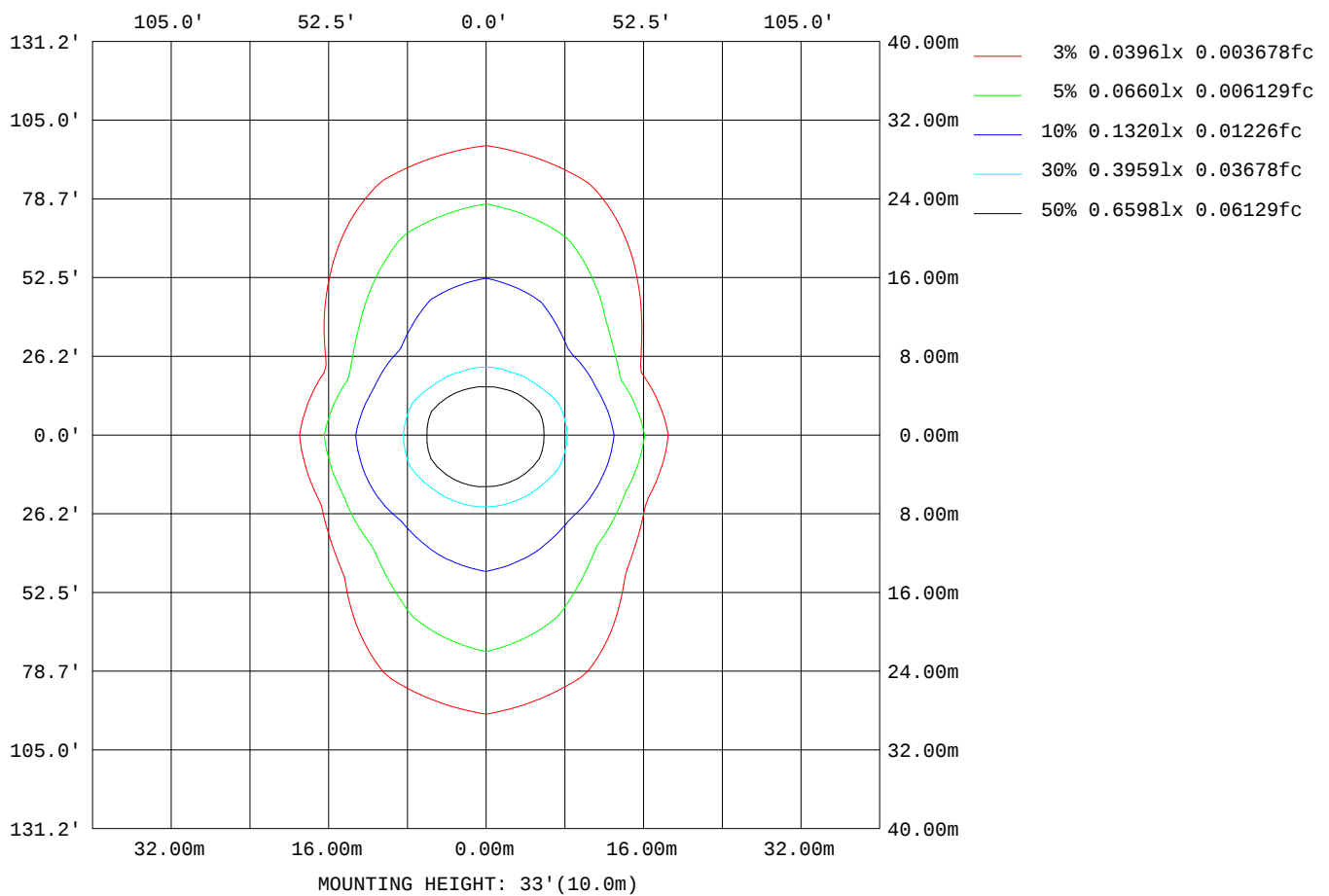
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Hill
 Test Date: 2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity: 46%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm		
NAME: ASD-LWS24W-14D12CC-BK 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:24.8DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:46%
Test Distance:2.526m [K=1.0000]
Remarks:

LED Avg.L Report

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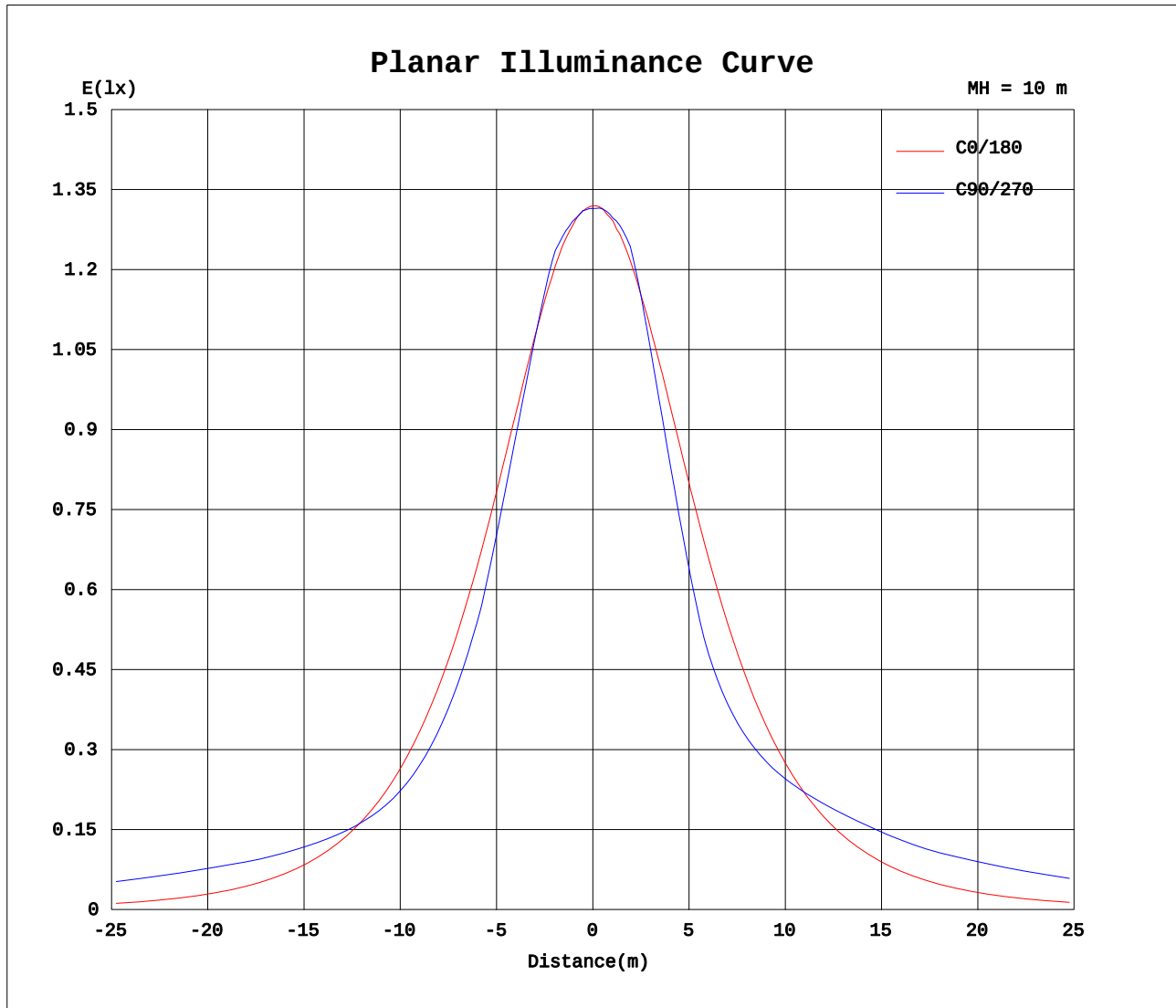
AvgL	cd/m2
L_0~180(65)av	53104
L_0~180(75)av	32086
L_0~180(85)av	26912
L_90~270(65)av	169478
L_90~270(75)av	342328
L_90~270(85)av	1058905
L_45(65)av	88426
L_45(75)av	188124
L_45(85)av	613037

Standard: GB/T 29293-2012

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Remarks:

Planar Illuminance Curve



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 γ Interval: 1.0DEG
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.0984A P:11.570W PF:0.9796 Freq:60.00Hz Lamp Flux:666.745x1 lm																	
NAME: ASD-LWS24W-14D12CC-BK 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	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132			
5	131	131	131	131	131	131	131	131	131	131	132	132	132	132	131	131			
10	128	128	129	130	131	131	130	129	129	129	131	132	132	131	130	128			
15	124	125	127	125	125	127	128	127	125	127	129	126	124	125	127	125			
20	118	120	119	116	115	117	122	122	120	122	120	113	111	113	118	120			
25	112	114	109	104	103	105	112	117	114	117	108	98.1	94.7	97.6	106	114			
30	104	105	96.9	89.7	88.0	91.6	100	109	106	108	93.4	82.1	78.6	81.5	92.0	105			
35	94.7	94.3	83.4	77.4	77.3	78.9	86.8	99.1	97.4	96.4	78.4	70.5	70.3	69.6	77.0	93.8			
40	85.1	82.4	69.7	67.8	68.6	69.3	72.7	87.5	87.8	83.4	64.3	65.3	67.6	64.2	62.4	80.9			
45	74.6	70.2	59.4	60.7	63.1	62.0	62.2	75.3	77.6	69.5	56.5	64.7	69.5	63.3	54.2	67.1			
50	63.6	57.2	51.0	57.4	62.5	58.5	53.5	62.3	66.7	55.5	52.9	68.4	75.5	66.7	50.0	53.3			
55	52.1	44.3	45.4	59.0	67.0	59.9	47.5	49.1	55.4	42.3	52.6	74.4	83.5	72.6	49.2	39.9			
60	40.6	33.5	43.3	64.8	75.8	65.9	45.2	37.6	43.8	32.9	55.0	80.7	91.1	79.0	51.2	29.2			
65	29.1	25.2	45.2	76.8	91.6	77.8	47.0	28.8	32.5	27.5	58.3	91.3	105	89.1	54.5	23.0			
70	18.4	19.6	52.5	90.3	106	91.7	54.0	22.8	22.0	25.5	65.1	102	117	100	60.6	20.1			
75	9.26	17.8	62.2	102	118	103	64.1	20.8	13.5	25.8	72.9	110	125	108	68.1	20.0			
80	2.76	20.7	69.6	109	125	111	71.9	23.7	7.86	28.9	77.8	116	130	113	72.8	22.5			
85	0.16	23.3	70.2	108	124	110	72.8	26.7	6.27	30.1	77.8	115	129	112	72.5	23.4			
90	0.04	21.4	68.5	107	123	109	71.1	25.4	6.27	28.8	76.8	114	129	112	71.5	21.7			
95	0.05	20.5	67.2	106	122	107	69.9	25.2	6.90	28.8	76.7	114	128	111	71.2	21.3			
100	0.05	17.3	64.6	104	120	106	67.3	22.2	3.41	25.5	74.0	114	128	111	68.7	18.1			
105	0.06	13.1	56.0	95.1	112	96.5	58.3	18.0	2.94	21.8	65.7	104	119	102	60.6	14.6			
110	0.06	9.19	46.8	82.7	98.1	84.0	48.8	13.7	2.50	17.6	57.2	93.0	107	90.5	52.4	10.9			
115	0.07	5.50	37.7	70.0	83.9	70.9	39.5	9.42	2.05	12.6	48.5	81.3	94.1	79.0	44.2	6.71			
120	0.08	1.73	29.1	57.2	69.5	57.9	30.6	5.04	1.64	6.70	40.0	69.2	80.8	67.2	36.1	1.82			
125	0.09	0.43	21.3	44.8	55.2	45.4	22.4	3.30	1.29	3.11	31.3	57.3	67.5	55.5	27.8	0.40			
130	0.11	0.36	13.9	33.5	41.9	33.9	14.8	2.52	1.01	2.44	21.8	45.2	54.1	43.7	19.0	0.36			
135	0.13	0.38	6.35	23.1	29.9	23.4	6.76	1.98	0.78	1.88	10.9	32.9	40.8	31.9	8.99	0.37			
140	0.16	0.41	0.92	13.2	19.0	13.3	1.51	1.57	0.60	1.33	2.21	19.2	27.0	19.2	1.79	0.38			
145	0.21	0.39	0.50	3.86	7.92	3.26	0.94	1.23	0.47	0.79	0.89	4.77	11.9	6.38	0.45	0.37			
150	0.24	0.38	0.50	0.59	0.80	0.62	0.79	0.95	0.37	0.43	0.75	0.52	1.29	0.51	0.41	0.33			
155	0.27	0.35	0.53	0.52	0.53	0.54	0.71	0.68	0.29	0.27	0.54	0.48	0.43	0.42	0.44	0.33			
160	0.29	0.34	0.47	0.55	0.55	0.55	0.57	0.50	0.23	0.22	0.36	0.46	0.44	0.45	0.45	0.33			
165	0.29	0.32	0.40	0.46	0.48	0.47	0.43	0.38	0.19	0.19	0.22	0.32	0.35	0.37	0.34	0.25			
170	0.27	0.29	0.30	0.34	0.36	0.34	0.31	0.30	0.17	0.17	0.20	0.20	0.24	0.27	0.23	0.20			
175	0.25	0.25	0.26	0.27	0.27	0.26	0.26	0.25	0.19	0.19	0.20	0.19	0.19	0.19	0.20	0.19			
180	0.22	0.22	0.21	0.20	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.21	0.20	0.20	0.20	0.21			

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