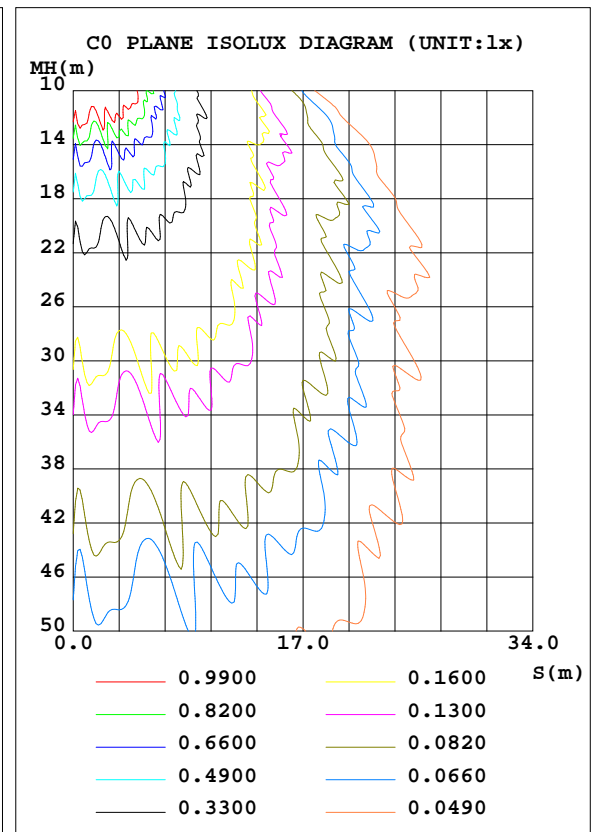
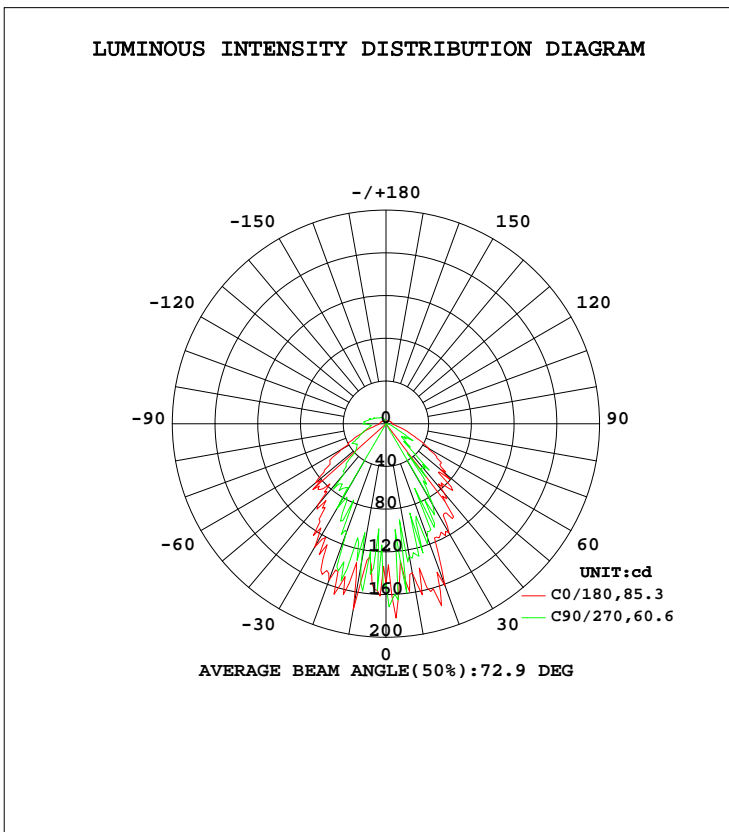


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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: 32.95 lm/W			
MODEL	PSZ2S220516017-10	I _{max} (cd)	205.3	S/MH(C0/180)	1.18
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.86
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	329.19	η UP, DN(C0-180)	10.0,48.8
NOMINAL FLUX(lm)	329.193	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	2.3,38.8
LAMPS INSIDE	1	η up(%)	12.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	87.6	CIBSE SHR MAX	0.85



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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	176.8	122.6	135.5	116.5	141.6	137.1	125.8	141.0	0- 10	13.34	13.34	4.05,4.05
20	156.1	117.9	108.3	114.4	161.4	117.3	114.1	104.8	10- 20	36.95	50.29	15.3,15.3
30	133.4	128.4	92.16	107.8	117.8	117.2	87.73	114.3	20- 30	52.98	103.3	31.4,31.4
40	99.13	63.55	60.82	71.91	85.09	66.38	53.30	62.66	30- 40	52.88	156.1	47.4,47.4
50	86.17	51.18	36.16	45.18	67.03	44.43	19.33	41.93	40- 50	46.06	202.2	61.4,61.4
60	48.73	40.31	36.93	40.97	47.22	19.40	20.20	18.13	50- 60	34.64	236.9	71.9,71.9
70	22.00	26.86	22.85	27.03	21.33	13.84	6.431	12.34	60- 70	24.69	261.5	79.5,79.5
80	9.762	19.32	15.16	19.44	9.044	7.196	2.375	6.719	70- 80	15.78	277.3	84.2,84.2
90	6.362	19.83	21.74	20.01	6.286	4.573	0.0739	3.957	80- 90	11.14	288.5	87.6,87.6
100	5.625	18.97	17.83	18.79	5.679	4.224	0.0287	3.715	90-100	11.26	299.7	91,91
110	4.990	14.29	13.44	13.99	5.029	3.649	0.0315	3.174	100-110	8.959	308.7	93.8,93.8
120	4.473	11.88	10.77	11.66	4.390	3.172	0.0381	2.682	110-120	6.820	315.5	95.8,95.8
130	4.018	10.16	8.688	9.936	3.958	2.716	0.0528	2.355	120-130	5.165	320.7	97.4,97.4
140	3.724	8.840	7.645	8.621	3.639	2.228	0.0743	1.752	130-140	3.824	324.5	98.6,98.6
150	3.417	6.996	6.454	6.824	3.267	1.627	0.1360	1.096	140-150	2.652	327.1	99.4,99.4
160	2.669	4.401	4.424	4.246	2.404	1.823	0.1822	0.6333	150-160	1.496	328.6	99.8,99.8
170	1.212	0.9418	1.479	0.8484	1.024	0.8806	0.1967	0.1917	160-170	0.5131	329.1	100,100
180	0.2248	0.2154	0.2100	0.2164	0.2237	0.2204	0.2092	0.2082	170-180	0.0452	329.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 180.54 lm

%lum = 54.8%

%lamp = 54.8%

Conical surface Flux(120deg): 236.85 lm

%lum = 71.9%

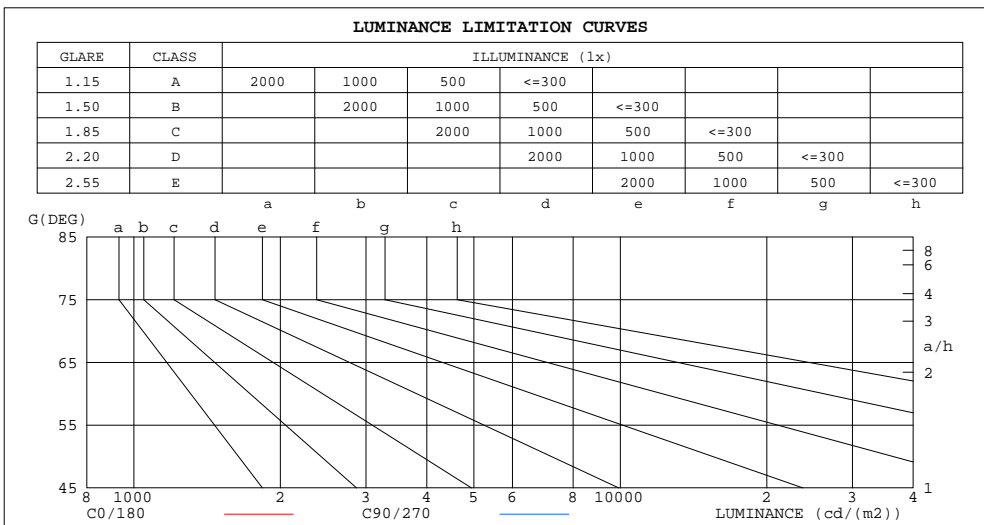
%lamp = 71.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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	104594	218169
80	73306	114149
75	68335	94106
70	83874	87343
65	104017	84880
60	127099	96582
55	145739	75184
50	174803	73552
45	160718	97398

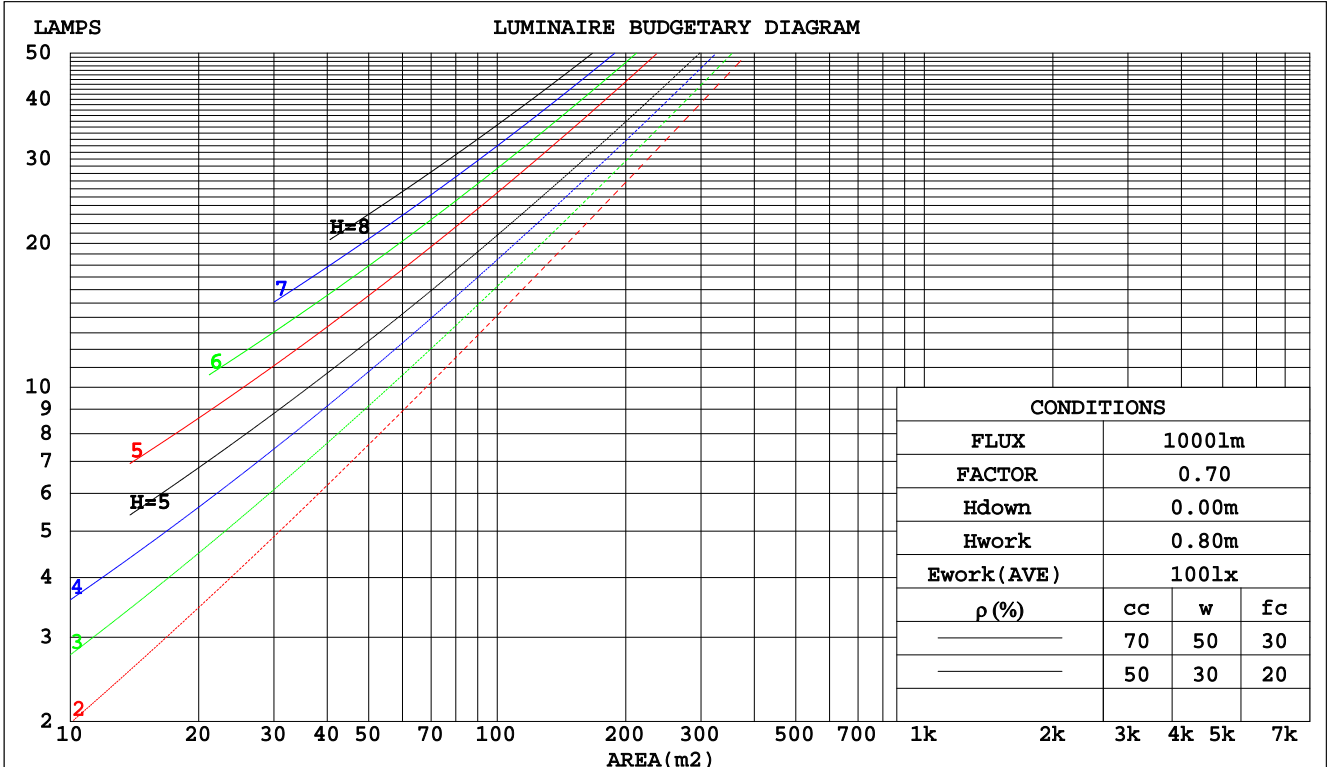
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.6DEG
 Operators: Carl
 Test Date: 2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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

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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.88
1.0	1.02	.97	.94	.98	.94	.91	.92	.89	.86	.86	.83	.81	.80	.78	.77	.74
2.0	.90	.83	.78	.87	.81	.76	.81	.77	.72	.76	.72	.69	.71	.68	.66	.63
3.0	.80	.72	.66	.77	.70	.65	.73	.67	.62	.68	.64	.60	.64	.60	.57	.54
4.0	.71	.63	.57	.69	.62	.56	.65	.59	.54	.62	.56	.52	.58	.54	.50	.48
5.0	.65	.56	.50	.63	.55	.49	.59	.53	.48	.56	.50	.46	.53	.48	.44	.42
6.0	.59	.50	.44	.57	.49	.44	.54	.47	.42	.51	.45	.41	.49	.44	.40	.38
7.0	.54	.45	.40	.52	.45	.39	.50	.43	.38	.47	.41	.37	.45	.40	.36	.34
8.0	.49	.41	.36	.48	.41	.35	.46	.39	.34	.44	.38	.33	.42	.36	.33	.31
9.0	.45	.38	.32	.44	.37	.32	.42	.36	.31	.40	.35	.31	.39	.34	.30	.28
10.0	.42	.35	.30	.41	.34	.29	.39	.33	.29	.38	.32	.28	.36	.31	.27	.26



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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

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	.298	.169	.054	.287	.164	.052	.267	.153	.049	.248	.143	.046	.231	.134	.043	
2.0	.271	.148	.046	.261	.144	.044	.243	.135	.042	.227	.127	.040	.211	.119	.038	
3.0	.248	.132	.040	.240	.128	.039	.224	.121	.037	.209	.114	.035	.195	.108	.033	
4.0	.229	.119	.035	.221	.116	.034	.207	.110	.033	.193	.104	.031	.180	.098	.030	
5.0	.212	.108	.031	.205	.105	.031	.192	.100	.029	.179	.095	.028	.168	.090	.027	
6.0	.197	.099	.028	.191	.096	.028	.179	.092	.027	.168	.087	.026	.157	.083	.025	
7.0	.184	.091	.026	.178	.089	.025	.167	.085	.024	.157	.081	.023	.148	.077	.023	
8.0	.172	.084	.024	.167	.082	.023	.157	.079	.022	.148	.075	.022	.139	.071	.021	
9.0	.162	.078	.022	.157	.077	.022	.148	.073	.021	.139	.070	.020	.131	.067	.019	
10.0	.153	.073	.020	.148	.072	.020	.140	.069	.019	.132	.066	.019	.124	.063	.018	

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	.285	.285	.285	.243	.243	.243	.166	.166	.166	.095	.095	.095	.031	.031	.031	
1.0	.275	.251	.230	.235	.216	.198	.161	.148	.137	.092	.086	.080	.030	.028	.026	
2.0	.265	.228	.196	.227	.196	.170	.156	.136	.118	.090	.079	.069	.029	.026	.023	
3.0	.256	.210	.174	.220	.181	.150	.151	.126	.106	.087	.074	.062	.028	.024	.020	
4.0	.248	.197	.158	.213	.170	.137	.147	.119	.097	.085	.070	.057	.027	.023	.019	
5.0	.241	.187	.147	.207	.162	.128	.143	.113	.090	.083	.066	.054	.027	.022	.018	
6.0	.234	.179	.139	.201	.155	.121	.139	.108	.086	.080	.064	.051	.026	.021	.017	
7.0	.227	.172	.133	.196	.149	.116	.135	.104	.082	.078	.061	.049	.025	.020	.016	
8.0	.221	.166	.128	.190	.144	.112	.132	.101	.079	.077	.060	.047	.025	.020	.016	
9.0	.215	.161	.124	.186	.140	.109	.129	.098	.077	.075	.058	.046	.024	.019	.015	
10.0	.210	.157	.122	.181	.136	.106	.126	.096	.075	.073	.057	.045	.024	.019	.015	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm										
NAME: ASD-LWS25S-10D10CC-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	28.9	30.2	29.3	30.6	31.0	27.2	28.5	27.6	28.8	29.3
3H	30.0	31.2	30.5	31.6	32.1	28.9	30.0	29.3	30.4	30.9
4H	30.4	31.5	30.9	32.0	32.5	29.7	30.8	30.2	31.3	31.8
6H	30.8	31.8	31.3	32.3	32.8	30.7	31.7	31.2	32.1	32.7
8H	31.0	31.9	31.5	32.4	33.0	31.2	32.1	31.7	32.6	33.2
12H	31.2	32.1	31.7	32.6	33.1	31.8	32.8	32.4	33.3	33.8
4H 2H	29.3	30.4	29.8	30.8	31.3	28.0	29.1	28.5	29.6	30.1
3H	30.7	31.6	31.2	32.1	32.7	29.9	30.9	30.4	31.3	31.9
4H	31.3	32.2	31.9	32.7	33.3	31.0	31.8	31.5	32.4	32.9
6H	31.9	32.7	32.5	33.2	33.8	32.1	32.9	32.7	33.4	34.0
8H	32.2	32.9	32.8	33.5	34.1	32.7	33.4	33.3	34.0	34.6
12H	32.5	33.2	33.1	33.8	34.4	33.5	34.2	34.1	34.8	35.4
8H 4H	31.7	32.4	32.3	33.0	33.7	31.5	32.2	32.1	32.8	33.4
6H	32.7	33.3	33.3	33.9	34.6	32.9	33.5	33.6	34.1	34.8
8H	33.2	33.7	33.8	34.3	35.1	33.8	34.3	34.4	34.9	35.6
12H	33.8	34.2	34.4	34.9	35.6	34.9	35.3	35.5	36.0	36.7
12H 4H	31.8	32.5	32.4	33.1	33.7	31.6	32.2	32.2	32.8	33.5
6H	32.9	33.5	33.6	34.1	34.8	33.2	33.7	33.8	34.3	35.0
8H	33.6	34.1	34.3	34.7	35.4	34.1	34.6	34.8	35.2	36.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.7 / - 0.6					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 329.2 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.9)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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

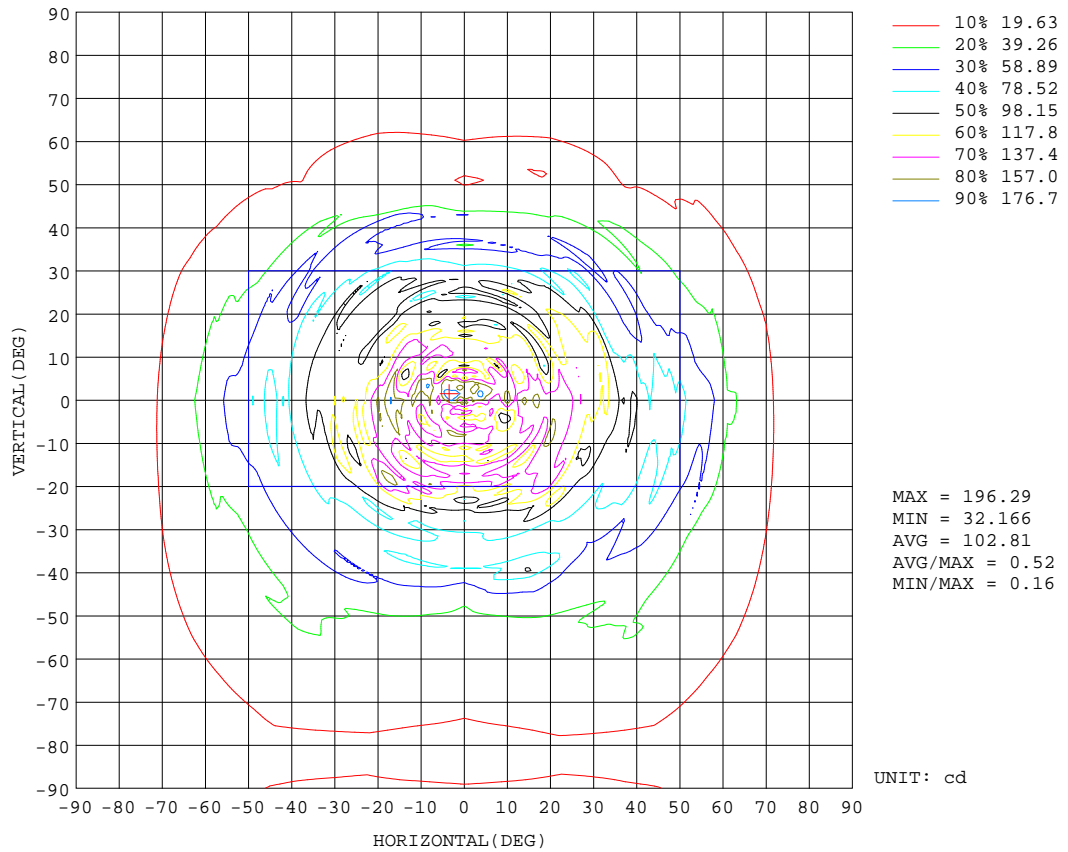
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	42	58	48	42	56	47	41	35
0.80	68	57	51	67	57	50	64	55	49	43
1.00	76	65	58	74	64	58	71	64	57	49
1.25	82	72	65	80	71	64	77	69	63	55
1.50	87	77	70	84	76	69	80	73	68	59
2.00	93	84	78	90	82	76	85	79	74	64
2.50	96	88	82	93	86	81	88	82	78	67
3.00	99	92	87	96	90	85	91	86	81	70
4.00	103	97	92	100	94	90	94	89	86	74
5.00	105	100	96	102	97	93	96	92	89	76
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:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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

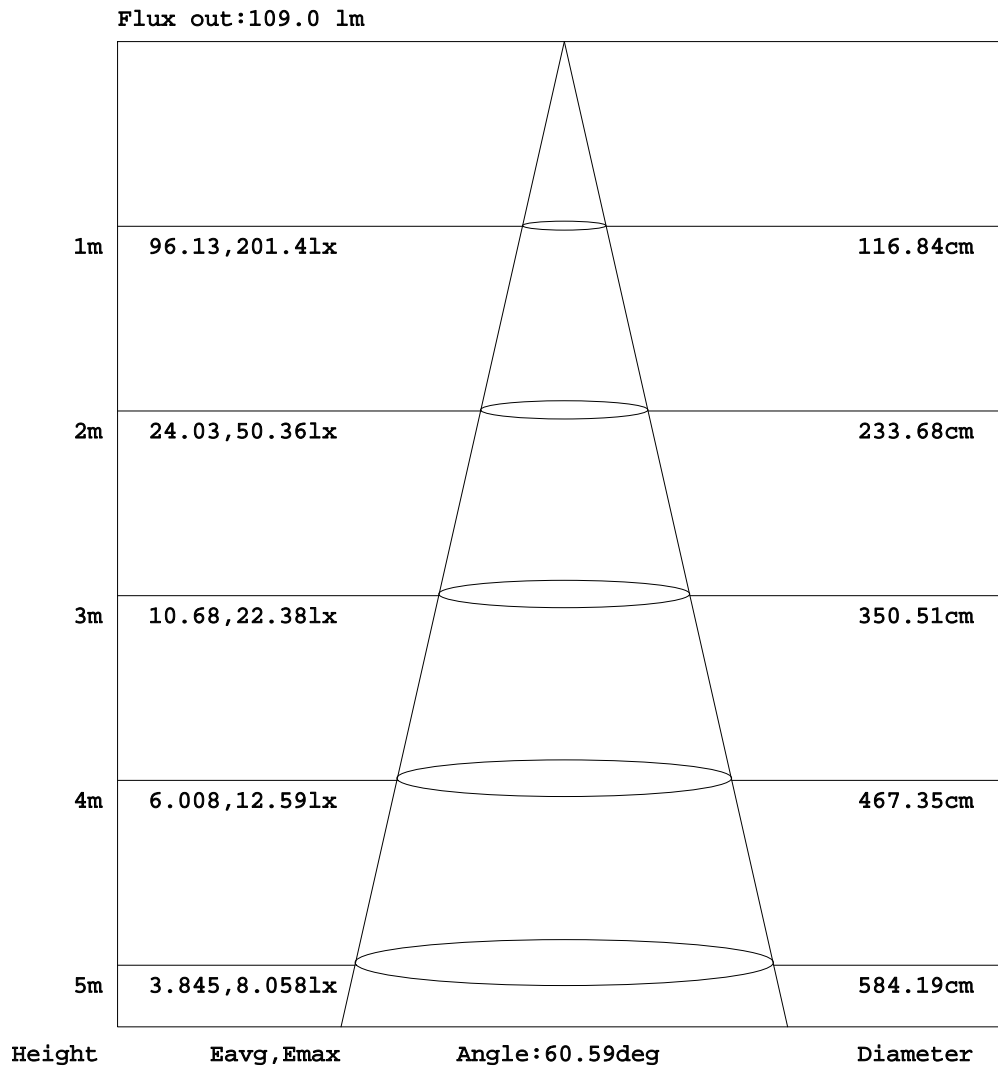


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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



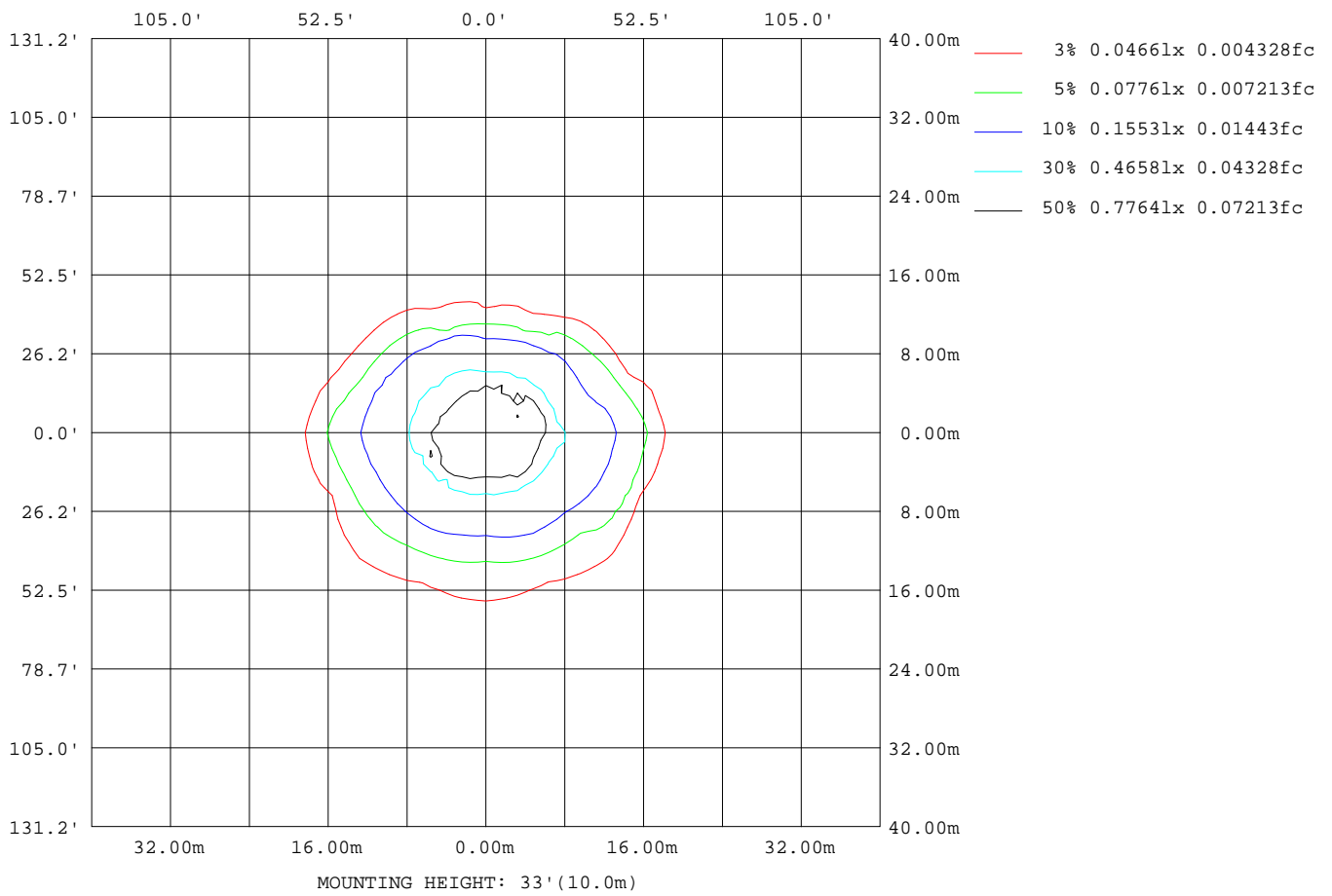
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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

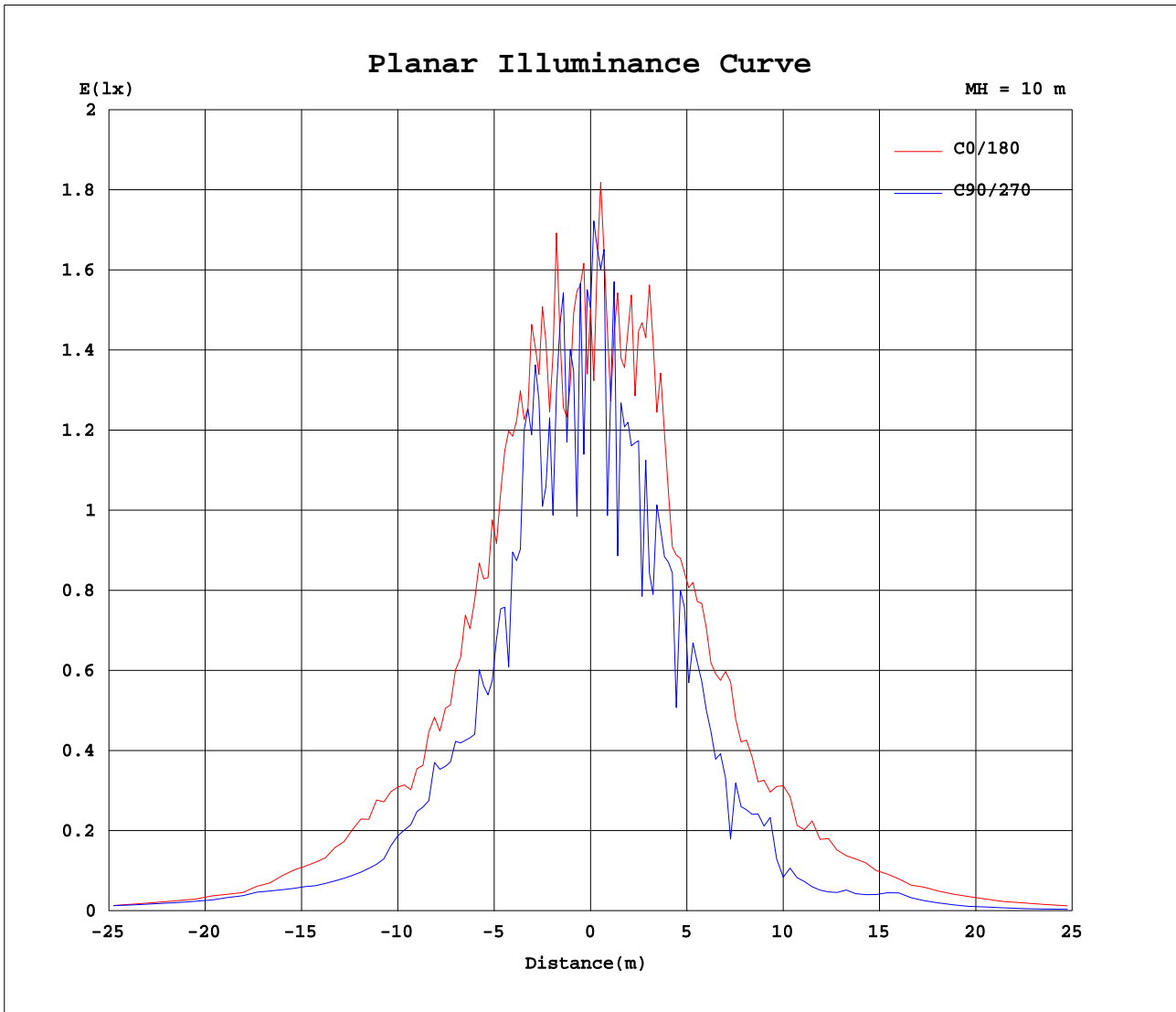
AvgL	cd/m2
L_0~180(65)av	98793
L_0~180(75)av	69438
L_0~180(85)av	102558
L_90~270(65)av	57558
L_90~270(75)av	57346
L_90~270(85)av	115243
L_45(65)av	74420
L_45(75)av	79848
L_45(85)av	170353

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:Carl
Test Date:2022-05-30

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: 25.6DEG
 Operators: Carl
 Test Date: 2022-05-30

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:120.1V I:0.0849A P:9.990W PF:0.9795 Lamp Flux:329.193x1 lm		
NAME: ASD-LWS25S-10D10CC-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	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150			
5	151	127	112	118	136	119	118	131	146	183	160	172	99.3	153	164	168			
10	177	83.4	123	153	136	152	116	120	142	166	137	122	126	124	141	145			
15	148	149	115	94.1	141	108	114	158	163	79.7	141	134	86.7	114	130	118			
20	156	123	118	142	108	146	114	158	161	106	117	110	114	117	105	75.6			
25	140	133	147	89.2	101	113	175	118	118	92.7	97.2	92.2	107	104	93.1	114			
30	133	95.2	128	80.3	92.2	76.9	108	116	118	114	117	98.9	87.7	96.2	114	130			
35	109	85.4	82.1	64.9	76.6	74.9	81.3	82.7	108	104	103	75.0	60.4	67.8	95.2	91.2			
40	99.1	94.1	63.5	88.4	60.8	71.9	71.9	72.8	85.1	91.8	66.4	54.9	53.3	50.4	62.7	63.8			
45	87.2	65.4	47.2	69.7	52.7	58.6	58.2	75.9	88.2	57.7	58.8	65.9	23.6	42.1	51.1	70.9			
50	86.2	71.0	51.2	44.1	36.2	42.8	45.2	55.6	67.0	60.1	44.4	26.9	19.3	22.5	41.9	44.5			
55	64.1	47.1	39.6	36.1	33.0	36.0	42.8	49.8	63.4	35.6	33.5	21.7	21.3	19.1	28.5	39.7			
60	48.7	33.6	40.3	33.1	36.9	34.5	41.0	35.8	47.2	32.0	19.4	30.1	20.2	27.1	18.1	32.7			
65	33.7	28.7	34.8	31.0	27.4	29.3	31.7	30.4	30.5	20.4	15.9	16.2	9.97	14.3	14.4	21.6			
70	22.0	25.7	26.9	25.2	22.8	25.4	27.0	24.9	21.3	16.4	13.8	10.5	6.43	9.65	12.3	16.1			
75	13.6	19.3	22.5	22.2	18.6	22.0	22.6	19.7	14.1	11.6	9.36	6.97	4.19	6.52	9.05	11.7			
80	9.76	15.9	19.3	18.8	15.2	18.5	19.4	16.0	9.04	7.98	7.20	4.82	2.37	4.86	6.72	7.93			
85	6.99	13.4	17.6	17.8	14.5	18.0	17.6	13.6	6.75	5.96	5.51	3.10	0.90	2.99	4.97	5.89			
90	6.36	13.0	19.8	23.8	21.7	22.5	20.0	13.6	6.29	5.36	4.57	2.18	0.07	2.05	3.96	5.19			
95	5.97	12.8	20.4	22.8	21.0	23.5	20.2	13.3	5.94	5.12	4.49	2.11	0.03	1.96	3.96	4.98			
100	5.63	12.0	19.0	19.3	17.8	18.7	18.8	12.4	5.68	4.75	4.22	1.98	0.03	1.91	3.71	4.56			
105	5.33	11.0	16.4	17.4	16.0	16.6	16.3	11.3	5.37	4.35	4.13	1.87	0.03	1.80	3.52	4.21			
110	4.99	10.2	14.3	14.9	13.4	14.7	14.0	10.4	5.03	3.95	3.65	1.70	0.03	1.65	3.17	3.80			
115	4.75	9.40	12.9	14.2	12.1	14.1	12.5	9.38	4.64	3.54	3.39	1.54	0.03	1.50	2.93	3.66			
120	4.47	8.65	11.9	12.0	10.8	11.9	11.7	8.66	4.39	3.31	3.17	1.45	0.04	1.40	2.68	3.35			
125	4.16	8.02	11.0	11.0	9.73	10.7	10.7	8.02	4.24	3.09	2.96	1.34	0.05	1.29	2.49	2.97			
130	4.02	7.44	10.2	10.4	8.69	9.97	9.94	7.43	3.96	2.72	2.72	1.22	0.05	1.18	2.35	2.57			
135	3.89	7.00	9.51	9.58	8.05	9.25	9.25	6.94	3.81	2.35	2.52	1.12	0.06	1.07	2.09	2.26			
140	3.72	6.40	8.84	8.95	7.65	8.59	8.62	6.37	3.64	2.28	2.23	1.05	0.07	0.90	1.75	2.17			
145	3.59	5.74	8.03	8.20	7.17	7.88	7.86	5.73	3.49	2.68	1.93	0.97	0.09	0.65	1.41	2.08			
150	3.42	5.02	7.00	7.29	6.45	7.03	6.82	4.99	3.27	2.95	1.63	0.94	0.14	0.38	1.10	1.95			
155	3.15	4.09	5.81	6.05	5.59	5.89	5.67	4.01	2.93	2.88	1.70	0.86	0.16	0.19	0.90	1.61			
160	2.67	2.88	4.40	4.65	4.42	4.52	4.25	2.88	2.40	2.40	1.82	0.90	0.18	0.15	0.63	1.18			
165	2.00	1.97	2.80	3.05	3.02	2.94	2.66	1.81	1.76	1.75	1.50	0.85	0.21	0.16	0.42	0.91			
170	1.21	1.15	0.94	1.32	1.48	1.28	0.85	1.06	1.02	1.03	0.88	0.53	0.20	0.17	0.19	0.55			
175	0.45	0.42	0.30	0.27	0.29	0.27	0.28	0.38	0.33	0.33	0.28	0.20	0.19	0.19	0.19	0.20			
180	0.22	0.22	0.22	0.21	0.21	0.19	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21			

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