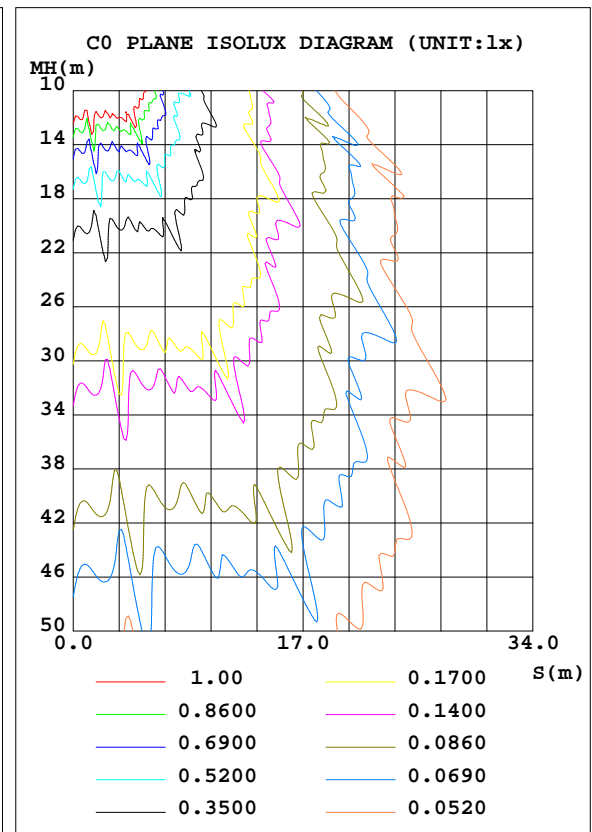
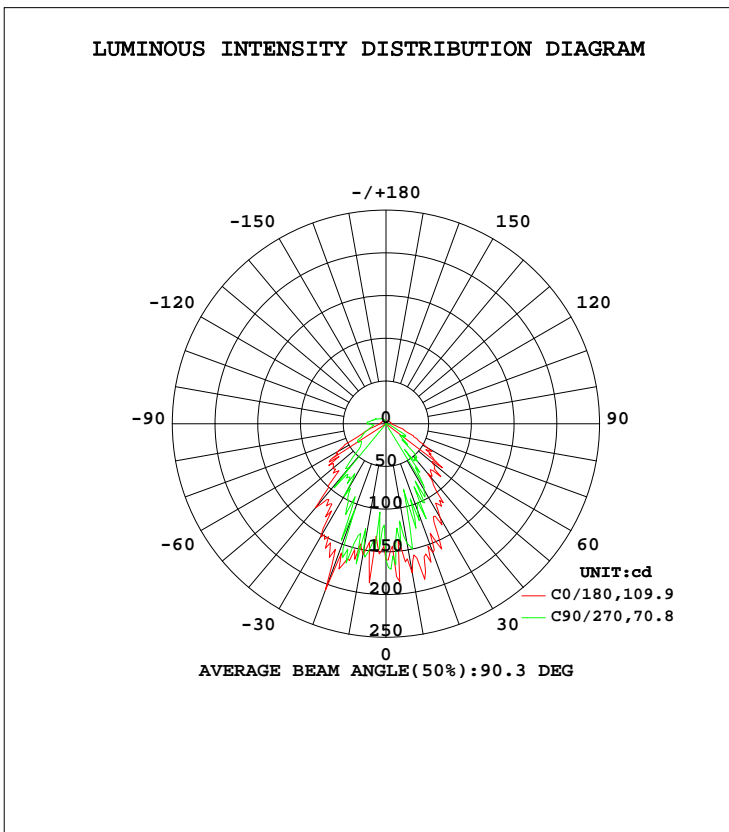


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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: 35.45 lm/W			
MODEL	PSZ2S220516017-10	I _{max} (cd)	217.2	S/MH(C0/180)	1.15
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	352.75	η UP, DN(C0-180)	10.0,49.1
NOMINAL FLUX(lm)	352.753	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	2.3,38.6
LAMPS INSIDE	1	η up(%)	12.4	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	87.6	CIBSE SHR MAX	1.00



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	155.2	161.7	151.1	128.7	177.3	159.2	142.0	109.8	0- 10	14.12	14.12	4,4
20	207.6	134.8	106.7	152.2	160.3	128.8	109.5	131.0	10- 20	40.15	54.27	15.4,15.4
30	153.0	134.9	98.24	147.1	126.8	101.1	88.32	126.4	20- 30	56.37	110.6	31.4,31.4
40	128.1	84.26	67.53	72.10	76.44	61.52	57.94	71.01	30- 40	55.46	166.1	47.1,47.1
50	81.38	57.21	38.44	47.26	70.62	38.03	21.63	40.66	40- 50	49.45	215.6	61.1,61.1
60	65.93	43.25	37.42	41.11	55.53	20.33	24.97	20.42	50- 60	37.40	253.0	71.7,71.7
70	24.82	29.09	23.82	28.47	23.02	14.02	6.933	14.11	60- 70	27.23	280.2	79.4,79.4
80	10.95	20.89	15.88	20.48	9.912	7.692	2.611	7.533	70- 80	17.02	297.2	84.3,84.3
90	7.093	21.07	22.17	20.87	6.868	4.880	0.0958	4.351	80- 90	11.98	309.2	87.6,87.6
100	6.269	20.10	18.37	20.15	6.216	4.488	0.0299	4.039	90-100	12.00	321.2	91.1,91.1
110	5.574	15.48	14.09	14.88	5.482	3.880	0.0330	3.463	100-110	9.556	330.7	93.8,93.8
120	4.970	12.76	11.28	12.45	4.788	3.375	0.0405	2.914	110-120	7.310	338.0	95.8,95.8
130	4.482	10.95	9.201	10.64	4.339	2.897	0.0550	2.560	120-130	5.541	343.6	97.4,97.4
140	4.133	9.539	8.128	9.218	4.033	2.391	0.0776	1.924	130-140	4.117	347.7	98.6,98.6
150	3.789	7.527	6.864	7.311	3.613	1.738	0.1389	1.208	140-150	2.851	350.6	99.4,99.4
160	2.970	4.719	4.639	4.495	2.653	1.924	0.1848	0.6973	150-160	1.602	352.2	99.8,99.8
170	1.332	1.009	1.490	0.8636	1.109	0.9223	0.1968	0.2206	160-170	0.5453	352.7	100,100
180	0.2491	0.2411	0.2101	0.2347	0.2485	0.2381	0.2222	0.2206	170-180	0.0475	352.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 192.05 lm

%lum = 54.4%

%lamp = 54.4%

Conical surface Flux(120deg): 252.96 lm

%lum = 71.7%

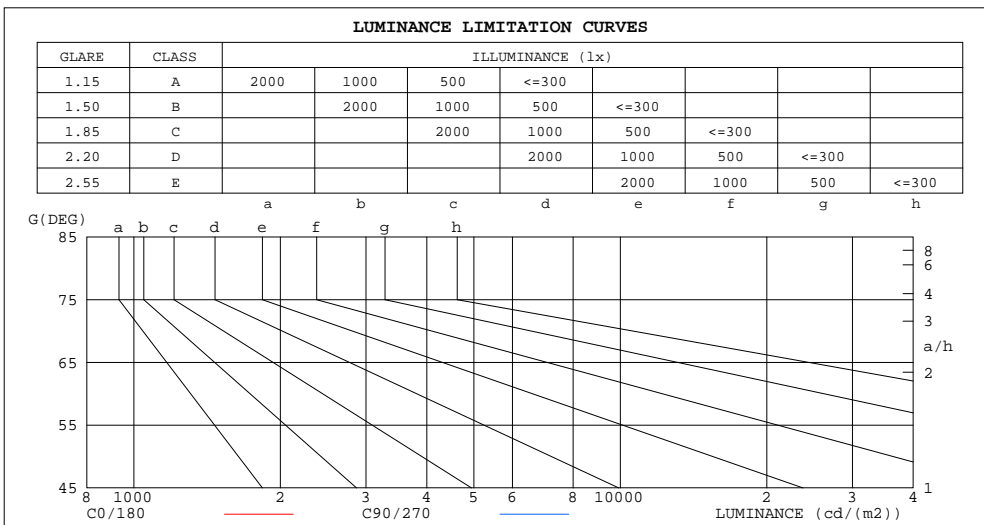
%lamp = 71.7%

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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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	112985	235392
80	79991	121545
75	75647	99412
70	92080	92557
65	113239	92341
60	167313	99464
55	148324	82416
50	160641	79482
45	139751	100262

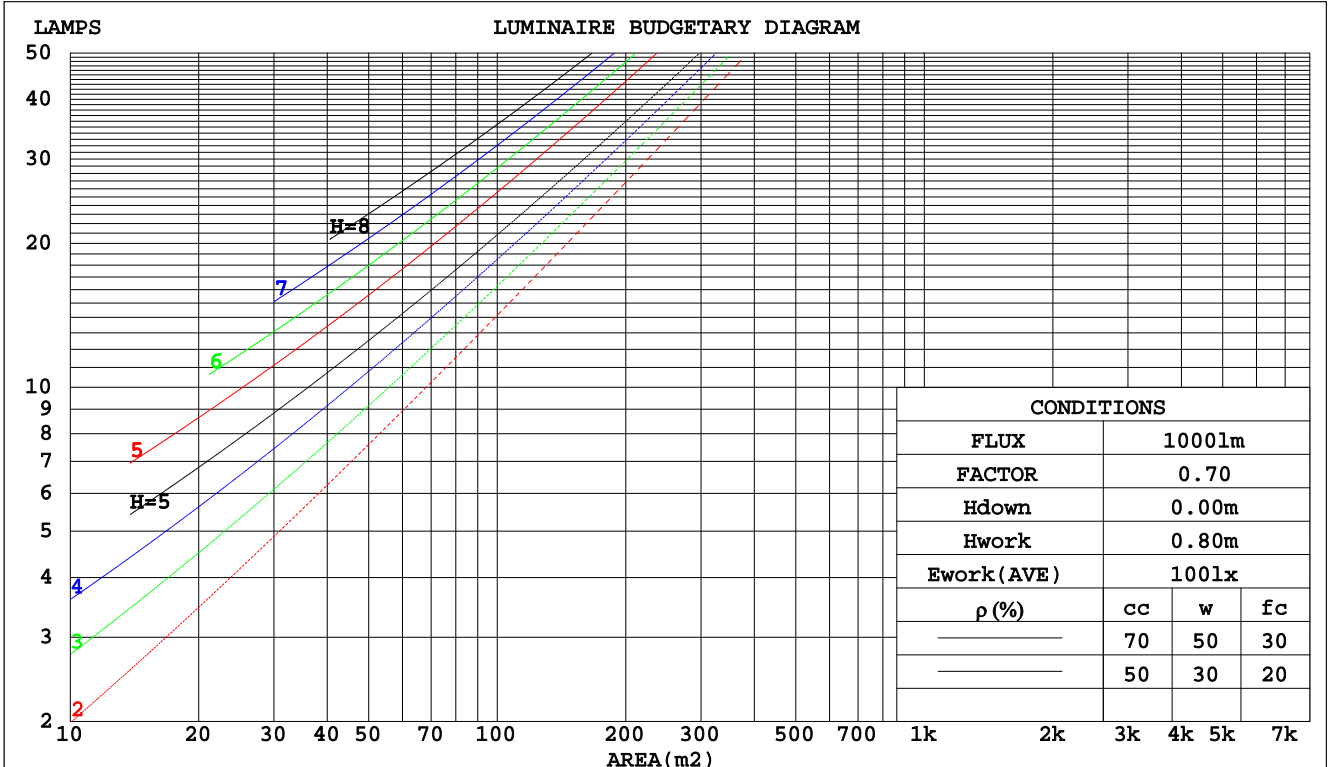
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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	.76	.72	.76	.72	.69	.71	.68	.66	.63
3.0	.80	.72	.66	.77	.70	.65	.73	.67	.62	.68	.63	.59	.64	.60	.57	.54
4.0	.71	.63	.57	.69	.62	.56	.65	.59	.54	.62	.56	.52	.58	.54	.50	.48
5.0	.64	.56	.50	.63	.55	.49	.59	.53	.47	.56	.50	.46	.53	.48	.44	.42
6.0	.58	.50	.44	.57	.49	.44	.54	.47	.42	.51	.45	.41	.49	.44	.40	.37
7.0	.53	.45	.40	.52	.44	.39	.49	.43	.38	.47	.41	.37	.45	.40	.36	.34
8.0	.49	.41	.36	.48	.40	.35	.46	.39	.34	.43	.38	.33	.41	.36	.32	.31
9.0	.45	.38	.32	.44	.37	.32	.42	.36	.31	.40	.35	.30	.39	.33	.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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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	.170	.054	.288	.164	.052	.267	.153	.049	.249	.144	.046	.232	.134	.043	
2.0	.272	.149	.046	.262	.144	.044	.244	.136	.042	.227	.128	.040	.212	.120	.038	
3.0	.249	.132	.040	.240	.129	.039	.224	.122	.037	.209	.115	.035	.195	.108	.033	
4.0	.229	.119	.035	.222	.116	.034	.207	.110	.033	.194	.104	.031	.181	.098	.030	
5.0	.212	.108	.031	.205	.105	.031	.192	.100	.029	.180	.095	.028	.169	.090	.027	
6.0	.197	.099	.028	.191	.096	.028	.179	.092	.027	.168	.087	.026	.158	.083	.025	
7.0	.184	.091	.026	.178	.089	.025	.168	.085	.024	.157	.081	.023	.148	.077	.023	
8.0	.173	.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	.140	.070	.020	.132	.067	.019	
10.0	.153	.073	.020	.149	.072	.020	.140	.069	.019	.132	.066	.019	.125	.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	.030	.030	.030	
1.0	.274	.251	.230	.235	.216	.198	.161	.148	.137	.092	.086	.080	.030	.028	.026	
2.0	.265	.228	.196	.227	.196	.169	.156	.136	.118	.090	.079	.069	.029	.025	.023	
3.0	.256	.210	.173	.220	.181	.150	.151	.126	.105	.087	.074	.062	.028	.024	.020	
4.0	.248	.197	.158	.213	.170	.137	.147	.119	.096	.085	.069	.057	.027	.023	.019	
5.0	.241	.187	.147	.207	.162	.128	.142	.113	.090	.083	.066	.053	.027	.022	.018	
6.0	.234	.178	.139	.201	.154	.121	.139	.108	.085	.080	.064	.051	.026	.021	.017	
7.0	.227	.172	.133	.195	.149	.115	.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	.185	.140	.108	.129	.098	.077	.075	.058	.046	.024	.019	.015	
10.0	.210	.157	.121	.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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm										
NAME: ASD-LWS25S-10D10CC-BK 5000K					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	29.1	30.4	29.5	30.8	31.2	27.4	28.7	27.9	29.1	29.5
3H	30.2	31.4	30.7	31.8	32.3	29.1	30.3	29.6	30.7	31.2
4H	30.7	31.8	31.2	32.2	32.7	30.0	31.1	30.5	31.5	32.0
6H	31.0	32.1	31.5	32.5	33.1	30.9	31.9	31.4	32.4	32.9
8H	31.2	32.2	31.7	32.7	33.2	31.4	32.4	31.9	32.8	33.4
12H	31.4	32.4	32.0	32.9	33.4	32.1	33.0	32.6	33.5	34.1
4H 2H	29.5	30.6	30.0	31.0	31.5	28.2	29.3	28.7	29.8	30.3
3H	30.9	31.9	31.4	32.4	32.9	30.2	31.1	30.7	31.6	32.1
4H	31.6	32.4	32.1	33.0	33.5	31.2	32.1	31.8	32.6	33.2
6H	32.2	33.0	32.8	33.5	34.1	32.3	33.1	32.9	33.6	34.3
8H	32.5	33.2	33.1	33.8	34.4	32.9	33.6	33.5	34.2	34.9
12H	32.8	33.5	33.4	34.1	34.7	33.8	34.4	34.4	35.0	35.7
8H 4H	32.0	32.7	32.6	33.3	33.9	31.7	32.4	32.3	33.0	33.6
6H	33.0	33.6	33.6	34.2	34.9	33.2	33.8	33.8	34.4	35.0
8H	33.5	34.0	34.1	34.7	35.4	34.0	34.5	34.6	35.2	35.9
12H	34.1	34.5	34.7	35.2	35.9	35.1	35.6	35.8	36.2	36.9
12H 4H	32.1	32.8	32.7	33.3	34.0	31.8	32.5	32.4	33.0	33.7
6H	33.2	33.8	33.9	34.4	35.1	33.4	33.9	34.0	34.5	35.3
8H	33.9	34.4	34.6	35.0	35.7	34.4	34.8	35.0	35.5	36.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 1.0 / - 0.5					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 352.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.6)

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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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

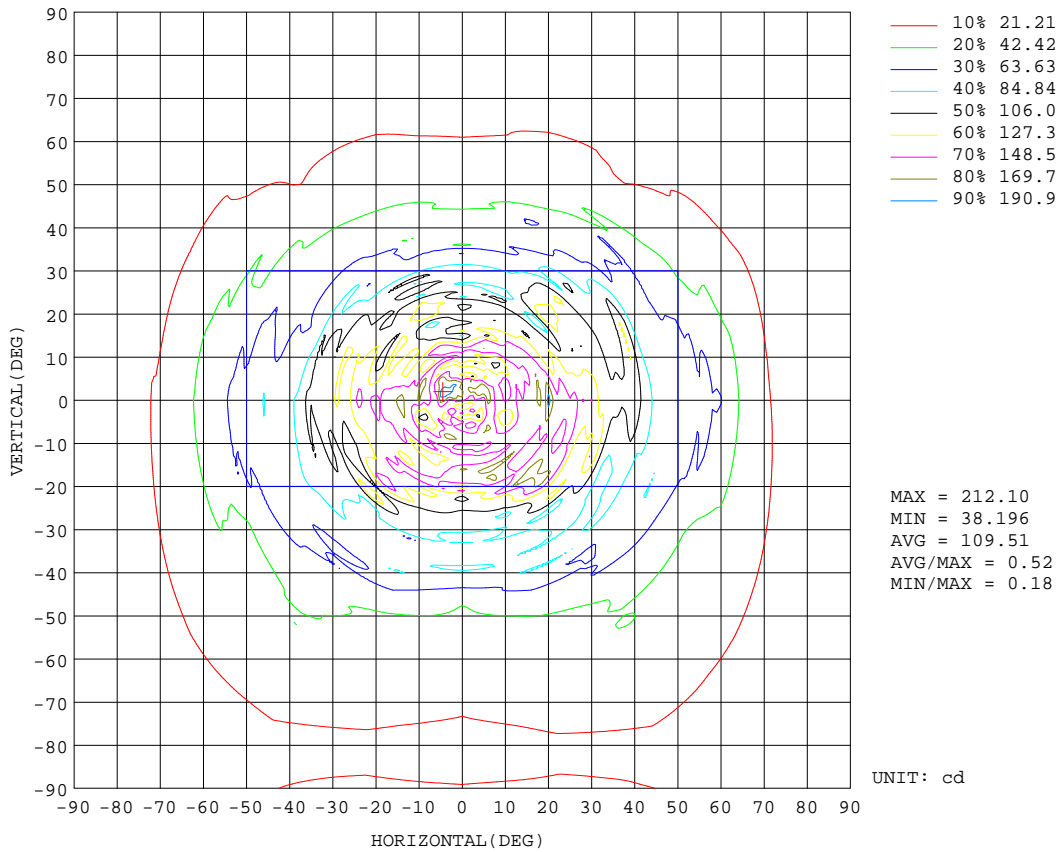
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	48	42	58	47	41	56	47	41	35
0.80	68	57	50	67	56	50	64	55	49	42
1.00	75	65	58	74	64	57	71	64	56	49
1.25	82	72	65	80	71	64	76	68	63	55
1.50	86	77	70	84	75	69	80	73	67	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	86	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	95	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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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

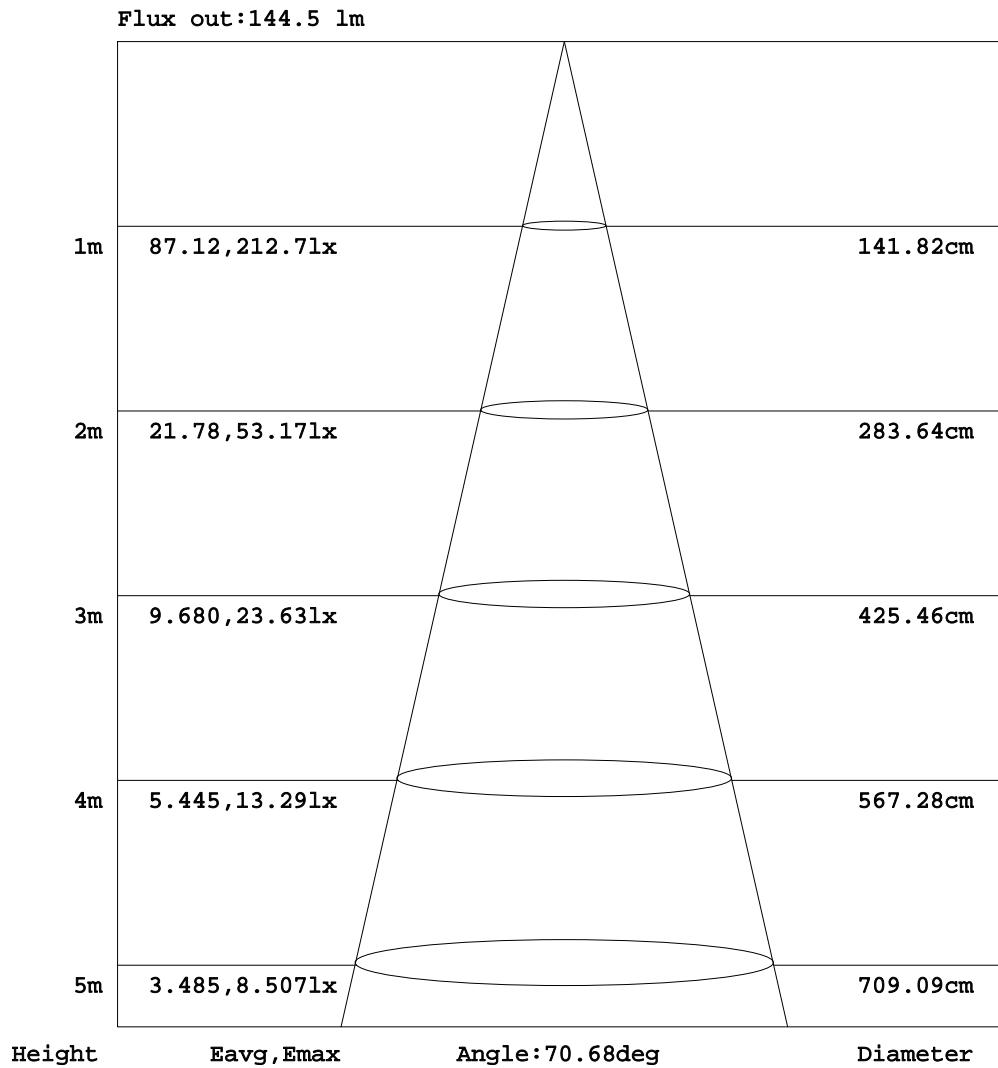


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-30

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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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



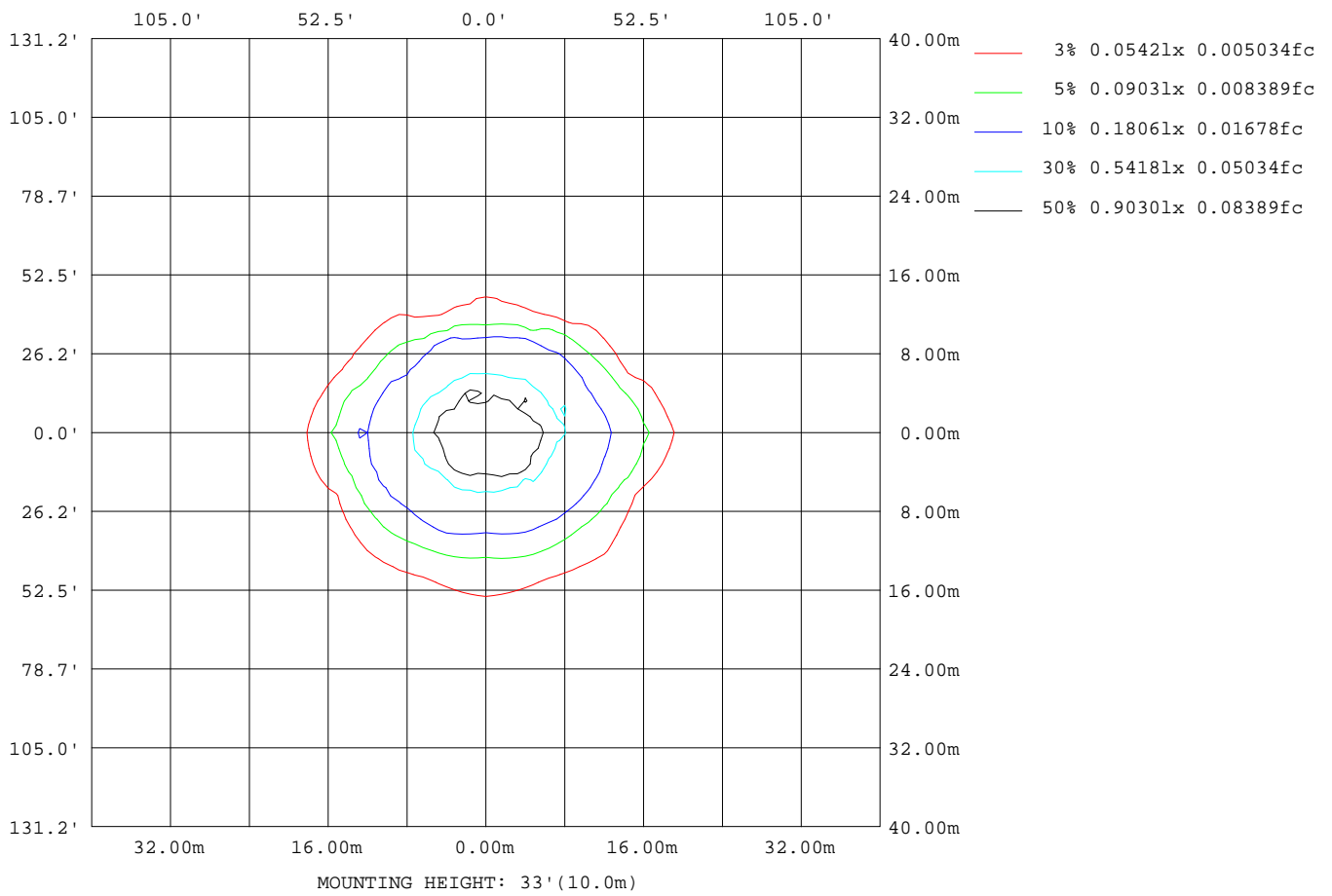
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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

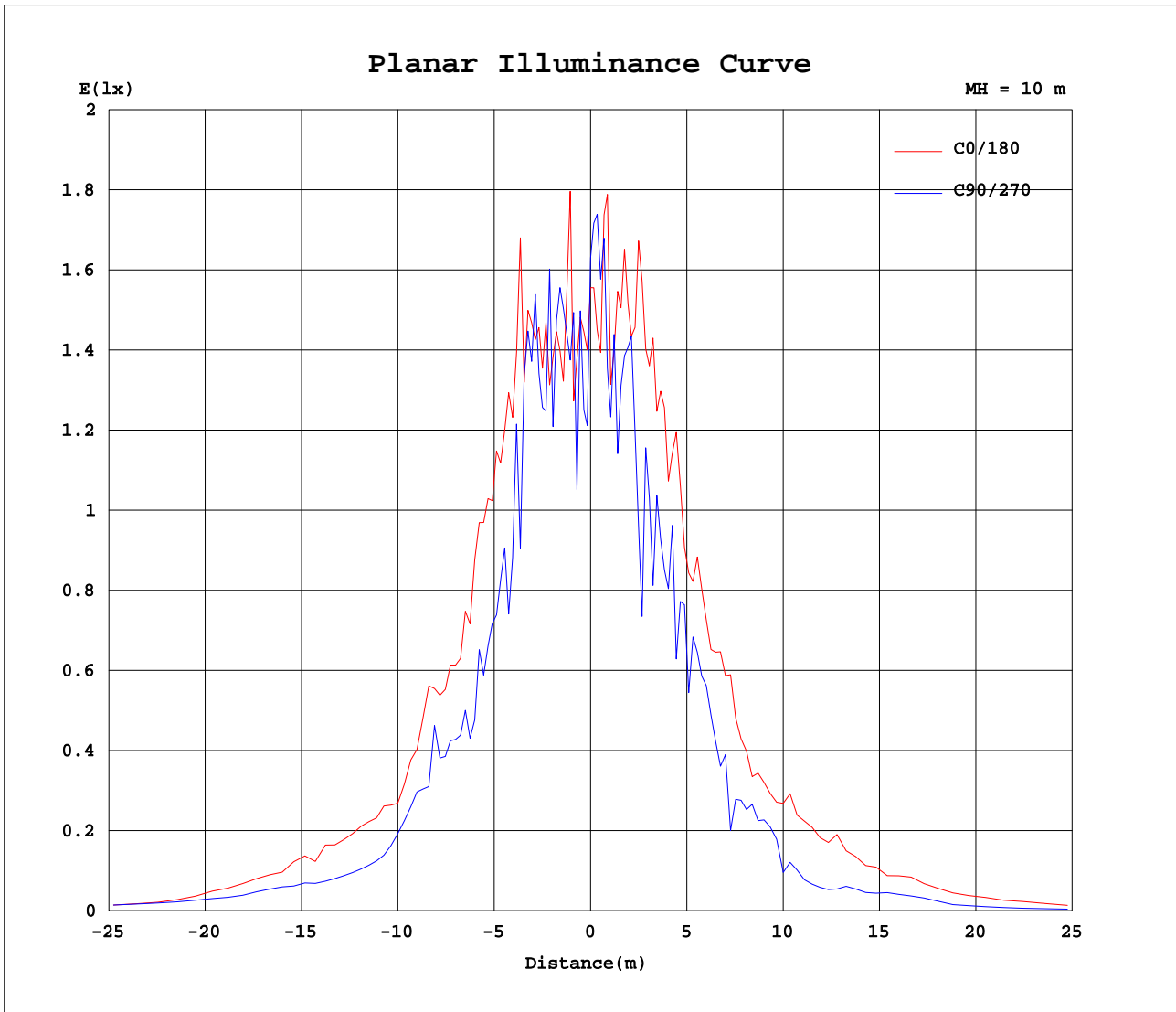
AvgL	cd/m2
L_0~180(65)av	113343
L_0~180(75)av	77239
L_0~180(85)av	112890
L_90~270(65)av	61786
L_90~270(75)av	60186
L_90~270(85)av	122741
L_45(65)av	78898
L_45(75)av	86186
L_45(85)av	182863

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:0.0846A P:9.950W PF:0.9792 Lamp Flux:352.753x1 lm		
NAME: ASD-LWS25S-10D10CC-BK 5000K	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	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159			
5	132	128	95.6	132	148	174	113	145	185	217	179	167	134	170	167	184			
10	155	113	162	165	151	153	129	100	177	182	159	158	142	145	110	157			
15	166	159	143	140	146	124	108	156	179	125	129	112	79.8	151	162	148			
20	208	153	135	170	107	162	152	147	160	105	129	112	109	104	131	145			
25	154	152	174	107	109	112	153	116	146	125	97.4	121	102	111	65.7	114			
30	153	121	135	86.5	98.2	84.1	147	113	127	117	101	115	88.3	89.8	126	108			
35	114	89.6	96.9	71.0	76.2	71.4	79.6	96.9	110	109	86.1	60.6	69.4	65.8	110	92.4			
40	128	89.8	84.3	76.5	67.5	74.0	72.1	88.7	76.4	62.0	61.5	58.2	57.9	56.1	71.0	135			
45	77.9	81.7	62.0	68.7	53.3	67.5	64.6	79.4	77.8	55.9	47.7	59.6	26.6	58.4	59.4	79.9			
50	81.4	75.6	57.2	46.8	38.4	48.0	47.3	63.3	70.6	53.5	38.0	24.7	21.6	33.2	40.7	60.3			
55	67.0	48.0	42.5	38.5	35.6	37.7	46.7	43.6	61.5	45.0	36.5	21.1	23.7	22.0	30.1	45.3			
60	65.9	35.8	43.2	35.1	37.4	37.5	41.1	40.2	55.5	30.4	20.3	30.4	25.0	26.0	20.4	36.2			
65	37.7	32.2	35.9	32.0	29.4	30.5	33.6	34.1	35.9	23.3	16.9	17.1	10.8	18.1	16.1	24.8			
70	24.8	28.1	29.1	26.7	23.8	26.5	28.5	27.0	23.0	17.7	14.0	10.4	6.93	11.6	14.1	18.2			
75	15.4	21.3	24.4	23.1	19.4	23.0	23.8	21.2	15.3	12.6	10.0	7.28	4.59	7.37	10.4	13.1			
80	10.9	17.5	20.9	19.6	15.9	19.4	20.5	17.1	9.91	8.65	7.69	5.09	2.61	5.45	7.53	8.75			
85	7.76	14.6	18.9	19.0	15.4	19.1	18.7	14.5	7.37	6.39	5.89	3.30	1.01	3.33	5.54	6.50			
90	7.09	14.3	21.1	24.0	22.2	24.1	20.9	14.7	6.87	5.78	4.88	2.30	0.10	2.25	4.35	5.67			
95	6.65	14.0	22.5	24.2	22.5	23.9	21.3	14.3	6.52	5.47	4.78	2.22	0.03	2.13	4.31	5.45			
100	6.27	13.1	20.1	20.2	18.4	19.6	20.1	13.4	6.22	5.12	4.49	2.08	0.03	2.08	4.04	4.97			
105	5.94	12.1	17.6	17.7	16.3	17.5	16.9	12.1	5.87	4.69	4.36	1.95	0.03	1.96	3.84	4.56			
110	5.57	11.1	15.5	15.6	14.1	15.5	14.9	11.2	5.48	4.28	3.88	1.78	0.03	1.79	3.46	4.13			
115	5.27	10.3	13.9	14.5	13.0	14.6	13.4	10.09	5.09	3.85	3.60	1.61	0.04	1.64	3.20	3.94			
120	4.97	9.44	12.8	12.8	11.3	12.4	12.4	9.32	4.79	3.57	3.38	1.51	0.04	1.53	2.91	3.63			
125	4.64	8.72	11.8	11.7	10.1	11.3	11.4	8.61	4.63	3.32	3.16	1.40	0.05	1.41	2.71	3.25			
130	4.48	8.10	10.9	11.0	9.20	10.6	10.6	8.04	4.34	2.95	2.90	1.27	0.05	1.29	2.56	2.81			
135	4.32	7.62	10.2	10.2	8.53	9.82	9.87	7.51	4.21	2.55	2.70	1.16	0.07	1.18	2.27	2.42			
140	4.13	6.99	9.54	9.53	8.13	9.12	9.22	6.88	4.03	2.47	2.39	1.09	0.08	1.01	1.92	2.30			
145	4.00	6.23	8.63	8.71	7.61	8.35	8.40	6.16	3.89	2.88	2.07	1.01	0.09	0.74	1.56	2.19			
150	3.79	5.42	7.53	7.71	6.86	7.45	7.31	5.36	3.61	3.17	1.74	0.98	0.14	0.44	1.21	2.07			
155	3.49	4.40	6.23	6.41	5.88	6.21	6.02	4.28	3.25	3.12	1.81	0.90	0.16	0.20	0.98	1.73			
160	2.97	3.10	4.72	4.91	4.64	4.75	4.49	3.05	2.65	2.60	1.92	0.93	0.18	0.15	0.70	1.24			
165	2.23	2.15	2.97	3.19	3.14	3.06	2.78	1.97	1.93	1.90	1.59	0.87	0.21	0.16	0.48	0.93			
170	1.33	1.27	1.01	1.33	1.49	1.27	0.86	1.15	1.11	1.09	0.92	0.54	0.20	0.17	0.22	0.61			
175	0.52	0.47	0.34	0.29	0.31	0.28	0.29	0.40	0.34	0.34	0.28	0.21	0.20	0.20	0.20	0.22			
180	0.25	0.24	0.24	0.21	0.21	0.22	0.23	0.24	0.25	0.24	0.24	0.23	0.22	0.22	0.22	0.23			

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