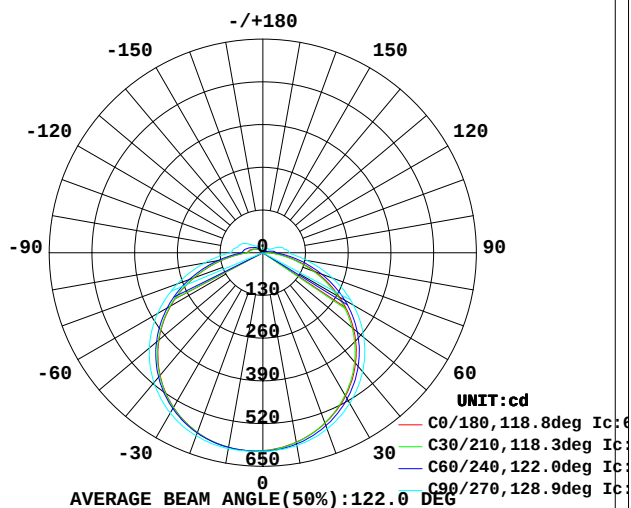


LUMINAIRE PHOTOMETRIC TEST REPORT

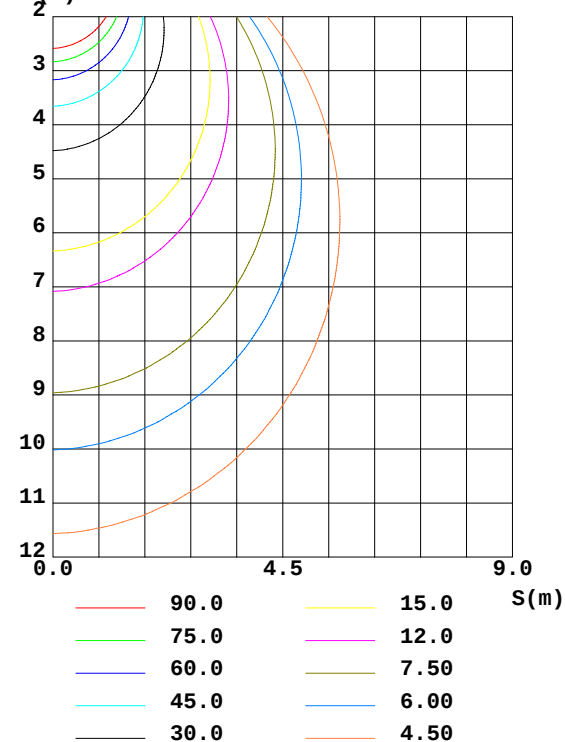
Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.16 lm/W			
MODEL	ASD-OLWS23-24D30SM-RGBW-BK	I _{max} (cd)	606.2	S/MH(C0/180)	1.34
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.38
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2236.7	η UP, DN(C0-180)	3.9, 43.4
NOMINAL FLUX(lm)	2236.65	CIE CLASS	DIRECT	η UP, DN(C180-360)	5.2, 47.5
LAMPS INSIDE	1	η up(%)	9.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	90.9	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [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	585.4	589.6	596.1	601.3	601.5	599.0	605.1	603.4	0- 10	57.37	57.37	2.57,2.57
20	552.3	557.2	571.0	582.8	582.1	576.6	592.7	588.5	10- 20	166.4	223.8	10,10
30	503.0	508.1	529.5	546.9	543.8	536.0	563.2	556.1	20- 30	257.4	481.2	21.5,21.5
40	438.9	444.1	472.9	494.3	487.0	477.3	515.5	506.7	30- 40	319.2	800.4	35.8,35.8
50	360.5	365.6	401.7	425.7	412.9	401.5	450.8	441.6	40- 50	344.0	1144	51.2,51.2
60	269.2	274.6	318.1	342.5	324.2	311.3	370.1	362.5	50- 60	327.7	1472	65.8,65.8
70	171.4	173.2	225.8	248.8	222.8	210.6	276.5	270.8	60- 70	272.0	1744	78,78
80	78.27	78.42	136.5	157.4	123.6	110.8	180.9	178.4	70- 80	187.6	1932	86.4,86.4
90	22.54	18.54	80.98	99.87	49.48	41.32	100.7	101.2	80- 90	101.9	2034	90.9,90.9
100	14.29	10.31	66.49	82.51	41.87	35.75	84.62	86.17	90-100	65.26	2099	93.8,93.8
110	10.45	6.790	48.16	69.03	32.31	27.58	73.42	71.65	100-110	50.56	2149	96.1,96.1
120	7.410	6.840	20.60	39.59	21.94	22.00	55.84	51.00	110-120	35.33	2185	97.7,97.7
130	7.174	7.071	20.38	35.12	17.84	17.96	33.49	27.96	120-130	21.95	2207	98.7,98.7
140	7.440	7.368	14.99	22.39	12.79	12.69	25.25	28.93	130-140	14.43	2221	99.3,99.3
150	7.745	7.734	8.128	12.13	7.849	8.103	13.69	15.23	140-150	8.290	2229	99.7,99.7
160	8.171	8.181	8.392	8.396	8.111	8.176	8.519	8.523	150-160	4.050	2233	99.9,99.9
170	8.519	8.550	8.673	8.646	8.373	8.419	8.704	8.735	160-170	2.396	2236	100,100
180	8.550	8.573	8.762	8.854	8.538	8.561	8.758	8.862	170-180	0.8231	2237	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

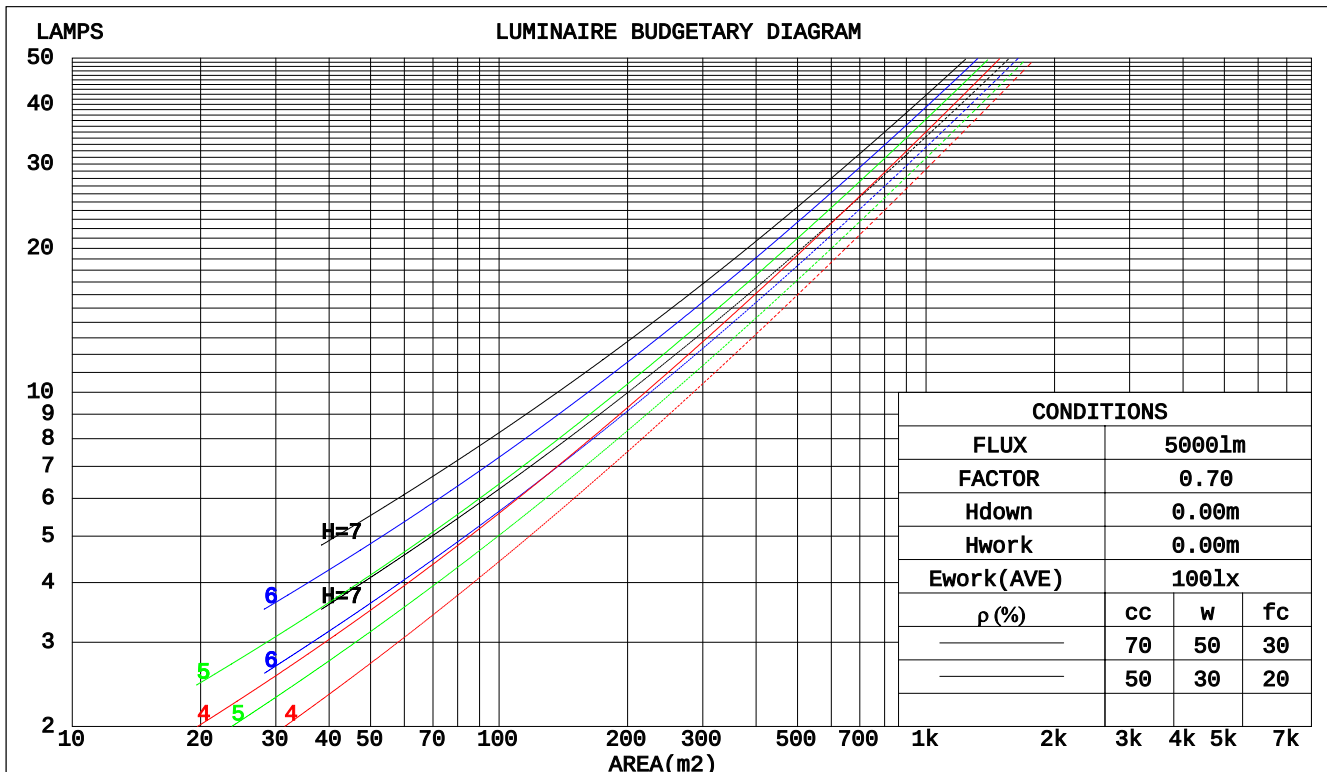
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

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						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.00	.95	.90	.96	.92	.88	.91	.87	.84	.85	.82	.79	.80	.78	.76	.73
2.0	.86	.79	.72	.83	.76	.71	.78	.73	.68	.73	.69	.65	.69	.65	.62	.59
3.0	.75	.66	.59	.73	.65	.58	.68	.61	.56	.64	.59	.54	.61	.56	.52	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.57	.51	.46	.54	.48	.44	.41
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.53	.43	.37	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.38	.33	.31
7.0	.47	.38	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.27	.38	.32	.27	.36	.30	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.33	.28	.23	.21
10.0	.36	.28	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm					
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK			TYPE:LED		WEIGHT:
SPEC.:6500K			DIM.:		SERIAL No.:
MFR.:ASD Lighting Corp			SUR.:		PROTECTION ANGLE:

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 Coeffcients(WEC)										
0.0																	
1.0	.349	.198	.063	.339	.193	.061	.320	.184	.059	.303	.175	.056	.287	.166	.054		
2.0	.314	.172	.053	.305	.168	.052	.289	.160	.050	.273	.153	.048	.259	.146	.046		
3.0	.285	.152	.045	.277	.148	.045	.262	.142	.043	.248	.136	.042	.235	.130	.040		
4.0	.259	.135	.040	.252	.132	.039	.239	.127	.038	.226	.122	.037	.215	.117	.036		
5.0	.238	.121	.035	.231	.119	.035	.219	.114	.034	.208	.110	.033	.197	.105	.032		
6.0	.219	.110	.031	.213	.108	.031	.202	.104	.030	.192	.100	.029	.182	.096	.029		
7.0	.203	.100	.028	.198	.098	.028	.188	.095	.027	.178	.091	.027	.170	.088	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.087	.025	.166	.084	.024	.158	.081	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.156	.078	.022	.148	.075	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.075	.021	.147	.073	.021	.140	.070	.020		

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	.260	.260	.260	.222	.222	.222	.151	.151	.151	.087	.087	.087	.028	.028	.028	
1.0	.253	.226	.201	.216	.194	.173	.148	.133	.120	.085	.077	.070	.027	.025	.023	
2.0	.245	.202	.166	.210	.174	.143	.144	.120	.100	.083	.070	.059	.027	.023	.019	
3.0	.238	.185	.143	.204	.160	.124	.140	.111	.087	.081	.065	.051	.026	.021	.017	
4.0	.230	.172	.128	.198	.149	.111	.136	.104	.078	.079	.061	.046	.025	.020	.015	
5.0	.223	.162	.117	.191	.140	.102	.132	.098	.072	.076	.058	.043	.025	.019	.014	
6.0	.215	.154	.110	.185	.133	.096	.128	.093	.068	.074	.055	.040	.024	.018	.013	
7.0	.208	.147	.104	.179	.128	.091	.124	.089	.064	.072	.053	.038	.023	.017	.013	
8.0	.202	.141	.100	.174	.123	.087	.120	.086	.062	.070	.051	.037	.023	.017	.012	
9.0	.196	.137	.097	.169	.119	.084	.117	.083	.060	.068	.049	.036	.022	.016	.012	
10.0	.190	.132	.094	.164	.115	.082	.114	.081	.058	.066	.048	.035	.021	.016	.012	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm										
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK					TYPE:LED			WEIGHT:		
SPEC.:6500K					DIM.:			SERIAL No.:		
MFR.:ASD Lighting Corp					SUR.:			PROTECTION 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	17.6	19.0	18.0	19.4	19.8	18.4	19.9	18.8	20.2	20.6
3H	19.1	20.4	19.5	20.8	21.2	20.3	21.6	20.7	22.0	22.5
4H	19.6	20.9	20.1	21.3	21.8	21.2	22.5	21.6	22.9	23.3
6H	20.1	21.3	20.6	21.7	22.2	22.0	23.2	22.5	23.7	24.2
8H	20.3	21.4	20.7	21.9	22.3	22.5	23.6	23.0	24.1	24.6
12H	20.4	21.5	20.9	22.0	22.5	23.0	24.1	23.4	24.5	25.0
4H 2H	18.2	19.5	18.7	19.9	20.4	18.9	20.2	19.3	20.6	21.0
3H	19.8	21.0	20.3	21.4	21.9	20.9	22.0	21.4	22.5	23.0
4H	20.5	21.5	21.0	22.0	22.6	22.0	23.0	22.5	23.5	24.0
6H	21.0	22.0	21.6	22.5	23.0	23.0	23.9	23.5	24.4	25.0
8H	21.2	22.1	21.8	22.6	23.2	23.5	24.4	24.1	24.9	25.5
12H	21.4	22.2	22.0	22.7	23.3	24.1	24.9	24.7	25.4	26.0
8H 4H	20.8	21.7	21.4	22.2	22.8	22.1	23.0	22.7	23.5	24.1
6H	21.5	22.2	22.1	22.8	23.4	23.3	24.0	23.9	24.6	25.2
8H	21.8	22.4	22.3	23.0	23.6	24.0	24.6	24.6	25.2	25.8
12H	22.0	22.5	22.6	23.1	23.8	24.8	25.3	25.4	25.9	26.6
12H 4H	20.9	21.7	21.5	22.2	22.8	22.1	22.9	22.7	23.4	24.0
6H	21.6	22.2	22.2	22.8	23.5	23.3	24.0	23.9	24.6	25.2
8H	21.9	22.5	22.5	23.1	23.7	24.1	24.6	24.7	25.2	25.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 2237 lm Total Lamp Luminous Flux.(8log(F/F₀) = 2.8)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

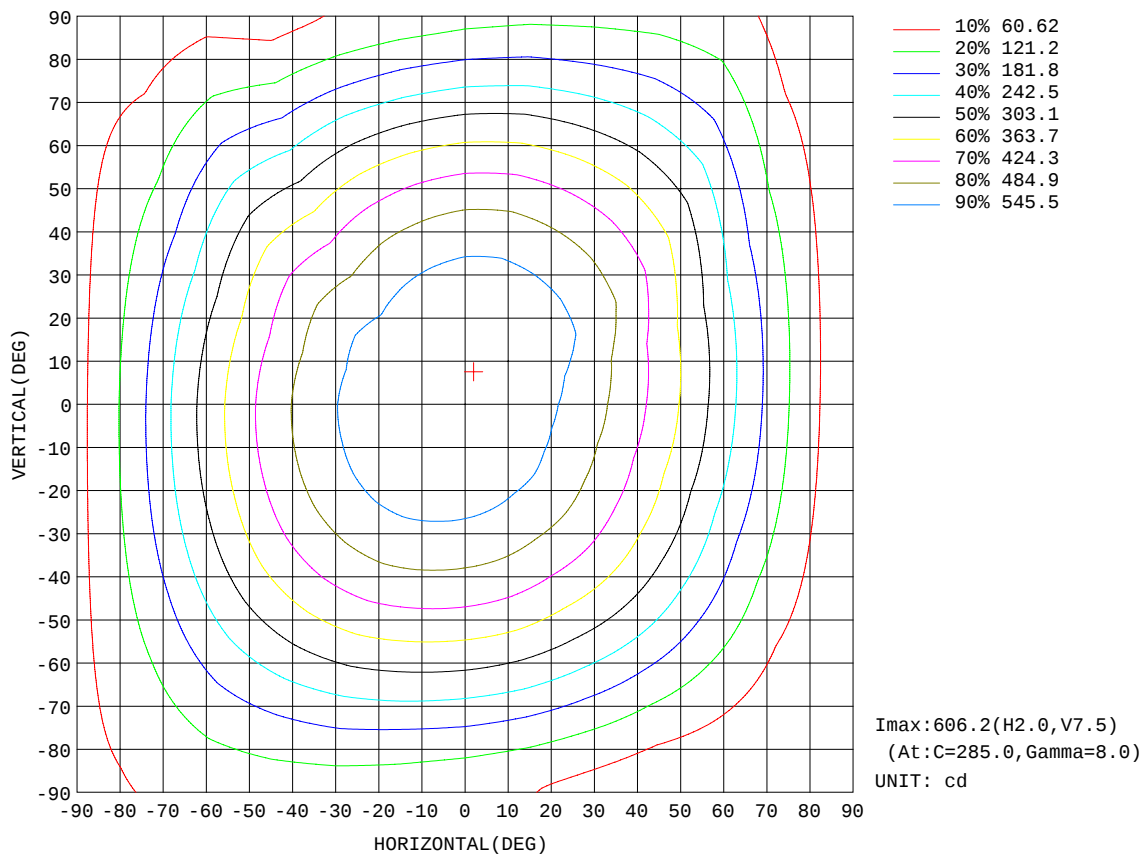
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	40	33	51	40	33	50	39	32	26
0.80	62	49	42	60	49	41	58	48	41	33
1.00	70	58	50	68	57	49	65	58	49	41
1.25	77	65	57	75	64	57	72	62	56	47
1.50	82	71	63	80	70	62	76	67	61	52
2.00	89	79	72	87	78	71	82	75	69	59
2.50	93	84	77	91	82	76	86	79	73	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	101	95	89	98	92	87	93	88	83	72
5.00	104	98	93	101	96	91	95	91	87	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

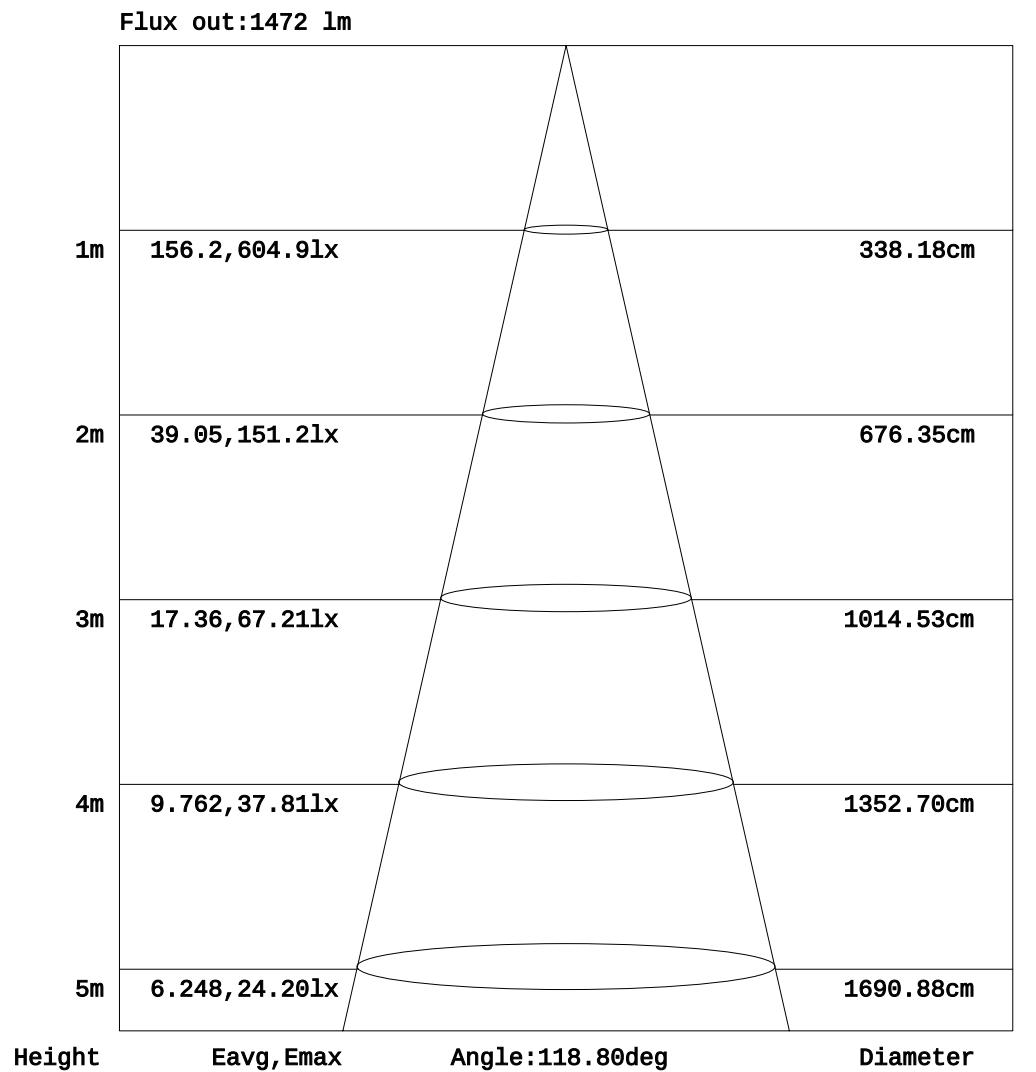


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



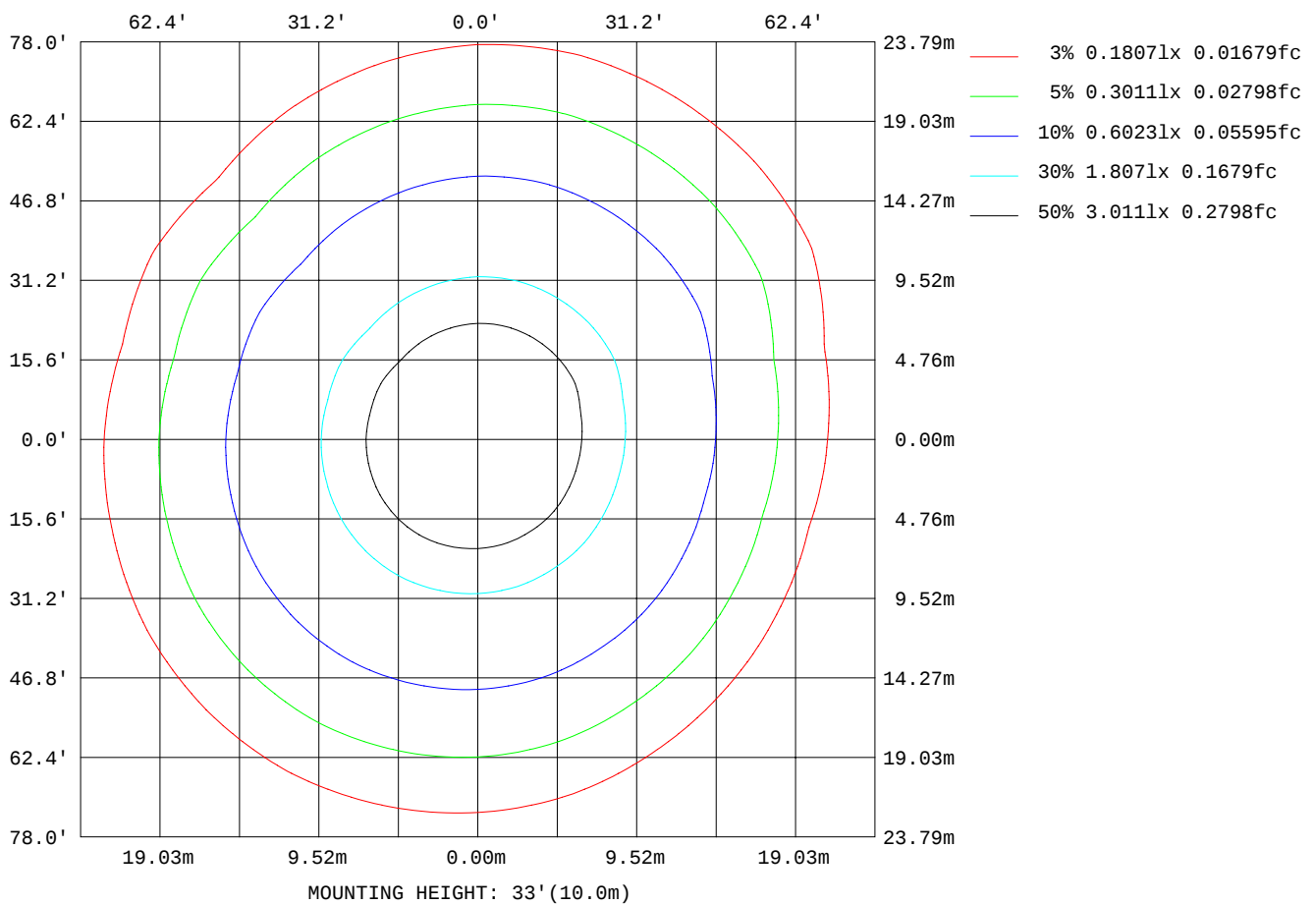
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm		
NAME:NAME: ASD-0LWS23-24D30SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

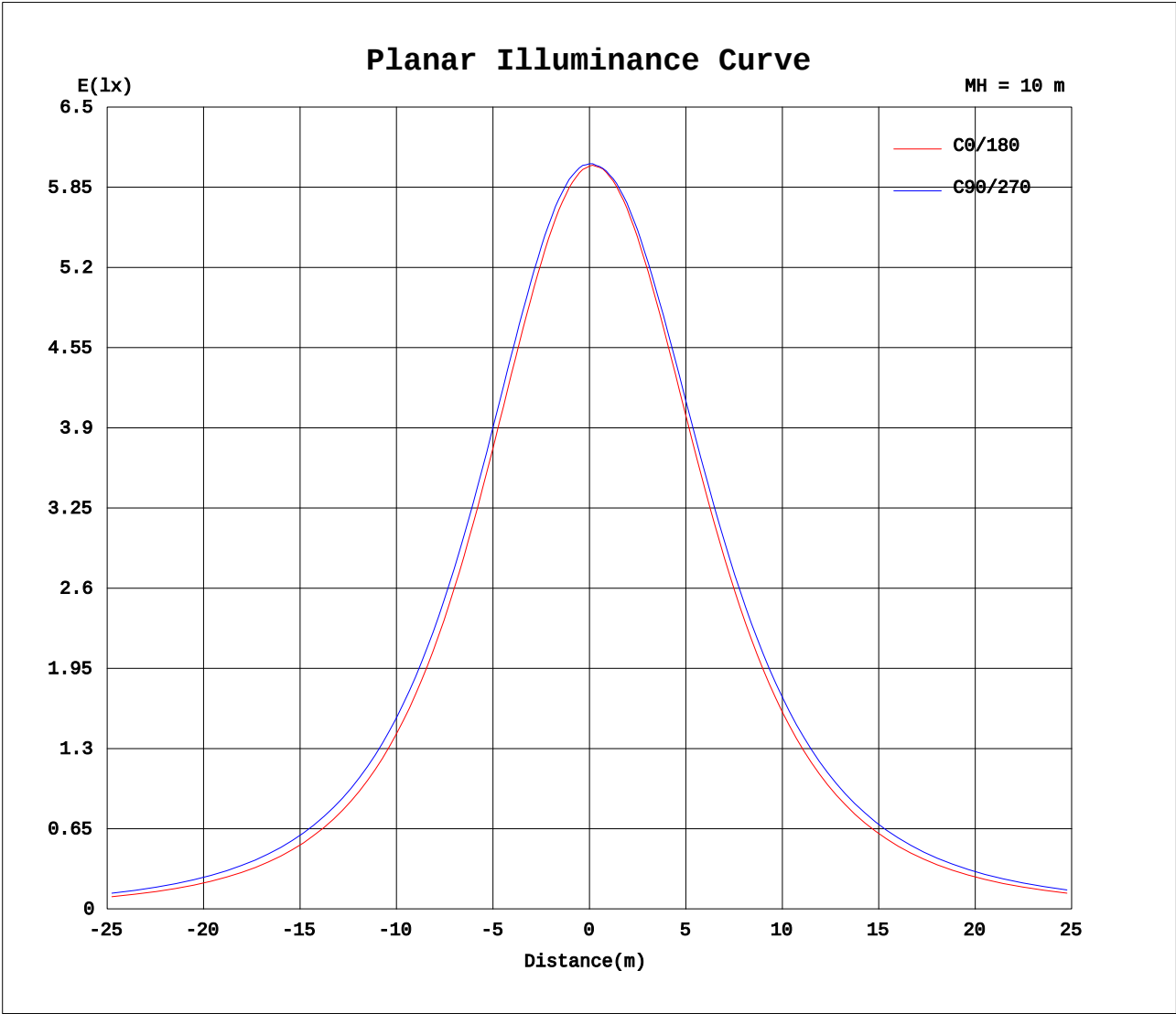
AvgL	cd/m2
L_0~180(65)av	5869
L_0~180(75)av	5703
L_0~180(85)av	7017
L_90~270(65)av	7068
L_90~270(75)av	7873
L_90~270(85)av	13638
L_45(65)av	6509
L_45(75)av	6843
L_45(85)av	10418

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.5521A P:32.34W PF:0.4876 Lamp Flux:2236.65x1 lm																			
NAME:NAME: ASD-OLWS23-24D30SM-RGBW-BK										TYPE:LED					WEIGHT:				
SPEC.:6500K										DIM.:					SERIAL No.:				
MFR.:ASD Lighting Corp										SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	602	603	603	603	604	604	604	604	604	604	605	605	602	603	603	603	604	604	604
5	596	596	597	600	600	601	602	603	604	605	605	604	604	604	604	604	604	605	605
10	585	585	586	590	591	594	596	598	601	601	602	601	602	601	601	599	601	604	605
15	571	569	571	576	578	582	585	589	593	594	595	593	594	592	594	591	595	598	601
20	552	550	551	557	560	566	571	576	581	583	583	582	582	580	582	577	583	589	593
25	530	525	528	535	539	546	552	558	565	567	568	565	565	562	566	559	568	575	581
30	503	497	500	508	513	522	529	537	544	547	546	544	544	539	544	536	548	556	563
35	473	465	469	478	484	494	502	511	520	522	522	519	517	512	519	509	523	534	542
40	439	430	435	444	451	464	473	482	491	494	493	489	487	480	489	477	493	506	515
45	402	391	396	407	415	428	439	448	458	461	460	456	451	443	454	442	460	474	486
50	360	349	355	366	375	391	402	412	422	426	424	417	413	403	415	401	422	438	451
55	317	303	310	322	333	349	361	372	383	385	383	376	370	359	373	358	381	399	413
60	269	256	262	275	287	305	318	329	340	343	340	330	324	311	327	311	337	355	370
65	221	205	213	224	239	259	273	284	295	297	293	283	275	261	278	262	289	309	324
70	171	155	162	173	190	210	226	238	247	249	245	232	223	209	225	211	239	260	277
75	123	106	113	124	143	164	180	190	200	200	197	181	172	157	175	160	188	211	228
80	78.3	61.5	69.9	78.4	99.6	121	137	148	158	157	152	133	124	107	126	111	140	163	181
85	42.7	23.4	35.6	40.7	63.1	85.0	101	112	119	118	112	90.4	79.6	62.2	80.6	68.0	96.1	119	137
90	22.5	6.28	19.1	18.5	40.4	63.0	81.0	93.3	99.6	99.9	93.6	61.7	49.5	31.2	47.0	41.3	64.8	85.0	101
95	20.4	6.37	17.0	15.7	37.4	59.2	77.2	90.2	96.6	96.3	89.9	58.0	45.2	27.7	41.5	38.7	60.6	79.6	92.6
100	14.3	6.50	10.3	10.3	29.7	49.5	66.5	79.1	85.1	82.5	80.5	53.7	41.9	26.8	38.8	35.8	56.6	73.3	84.6
105	12.2	6.64	8.10	7.85	15.7	40.1	61.3	74.1	79.6	77.9	71.7	46.9	37.1	25.9	33.9	31.4	50.4	66.4	77.5
110	10.4	6.76	7.00	6.79	10.9	22.9	48.2	64.5	72.1	69.0	61.4	39.6	32.3	24.9	29.9	27.6	44.4	62.0	73.4
115	8.86	6.85	6.87	6.79	11.6	14.3	29.3	48.0	58.0	54.7	47.7	34.7	27.4	23.7	26.2	23.9	37.4	54.4	66.9
120	7.41	6.91	6.85	6.84	12.3	14.3	20.6	31.8	40.0	39.6	40.2	31.9	21.9	22.4	22.4	22.0	32.1	43.7	55.8
125	7.03	7.00	6.95	6.94	9.31	14.6	20.7	27.6	33.0	35.8	38.3	27.5	19.9	20.6	20.6	20.1	28.5	35.8	42.0
130	7.17	7.13	7.07	7.07	8.06	14.4	20.4	27.6	33.7	35.1	29.3	20.6	17.8	18.7	18.4	18.0	23.0	30.6	33.5
135	7.30	7.26	7.21	7.20	7.24	11.0	18.6	23.4	27.9	27.4	23.5	13.8	15.5	16.3	16.0	15.5	15.9	25.1	30.1
140	7.44	7.40	7.37	7.37	7.39	9.64	15.0	21.1	22.4	22.4	19.6	10.9	12.8	13.6	13.3	12.7	11.4	18.2	25.3
145	7.58	7.56	7.56	7.53	7.58	7.74	11.6	16.5	18.7	18.2	14.1	8.41	10.1	10.8	10.5	9.92	8.85	12.1	20.5
150	7.74	7.73	7.75	7.73	7.77	7.92	8.13	11.3	13.0	12.1	8.68	8.13	7.85	8.14	8.06	8.10	8.45	8.33	13.7
155	7.93	7.93	7.96	7.94	7.99	8.13	8.22	8.33	8.25	8.23	8.15	7.90	7.97	7.97	8.38	8.25	8.27	8.31	8.43
160	8.17	8.23	8.20	8.18	8.21	8.35	8.39	8.48	8.38	8.40	8.28	8.05	8.11	8.11	8.21	8.18	8.37	8.44	8.52
165	8.38	8.42	8.40	8.41	8.41	8.51	8.55	8.60	8.54	8.55	8.42	8.20	8.24	8.23	8.33	8.30	8.43	8.50	8.62
170	8.52	8.55	8.54	8.55	8.55	8.65	8.67	8.70	8.65	8.65	8.52	8.33	8.37	8.36	8.45	8.42	8.53	8.57	8.70
175	8.54	8.55	8.56	8.57	8.61	8.69	8.70	8.77	8.73	8.72	8.61	8.43	8.48	8.45	8.55	8.51	8.60	8.65	8.75
180	8.55	8.55	8.57	8.57	8.63	8.69	8.76	8.81	8.81	8.85	8.68	8.50	8.54	8.53	8.57	8.56	8.62	8.69	8.76

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 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

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SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	604	604	604	605	605														
5	605	605	605	604	601														
10	605	605	603	601	592														
15	602	600	598	593	580														
20	594	592	589	582	562														
25	583	579	574	566	541														
30	565	561	556	546	515														
35	544	539	533	522	487														
40	519	513	507	493	454														
45	489	483	475	462	417														
50	455	449	442	426	377														
55	418	412	404	388	334														
60	376	370	362	346	288														
65	331	325	318	301	240														
70	284	278	271	254	192														
75	237	231	224	205	144														
80	190	185	178	160	99.5														
85	146	142	136	119	61.8														
90	108	106	101	86.6	37.9														
95	97.9	97.4	91.3	76.8	34.6														
100	93.0	92.8	86.2	70.5	27.7														
105	82.4	82.1	75.2	62.2	13.7														
110	78.0	77.6	71.6	57.6	15.5														
115	71.9	70.8	63.8	46.8	11.4														
120	61.5	59.3	51.0	31.5	8.02														
125	46.7	43.4	34.9	23.6	7.47														
130	36.0	32.6	28.0	25.5	7.57														
135	32.9	31.3	29.4	26.4	7.62														
140	30.7	31.6	28.9	22.8	7.69														
145	25.4	26.0	23.9	15.4	7.81														
150	18.2	18.6	15.2	9.72	7.95														
155	10.3	11.2	8.94	8.37	8.08														
160	8.50	8.95	8.52	8.46	8.23														
165	8.65	9.09	8.63	8.58	8.39														
170	8.73	9.07	8.73	8.68	8.48														
175	8.77	8.97	8.88	8.76	8.52														
180	8.80	8.83	8.86	8.71	8.48														

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