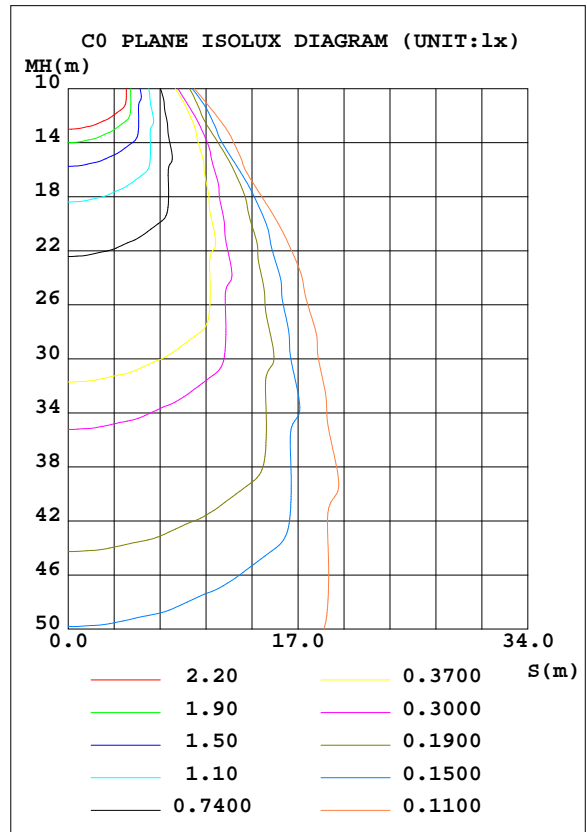
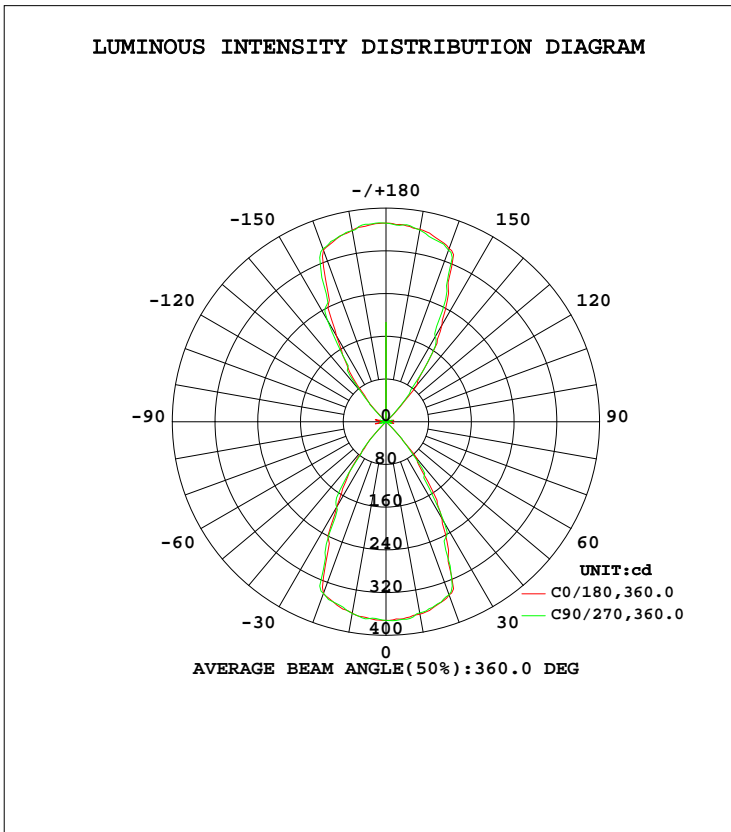


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.: LED Luminaires	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 41.50 lm/W			
MODEL	ASD-LCLR-2B-18BK 5000K	I <sub>max</sub> (cd)	372.9	S/MH(C0/180)	0.95
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.91
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	741.65	η UP, DN(C0-180)	25.1,24.7
NOMINAL FLUX(lm)	741.648	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	24.9,25.3
LAMPS INSIDE	1	η up(%)	50.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	50.0	CIBSE SHR MAX	0.95



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

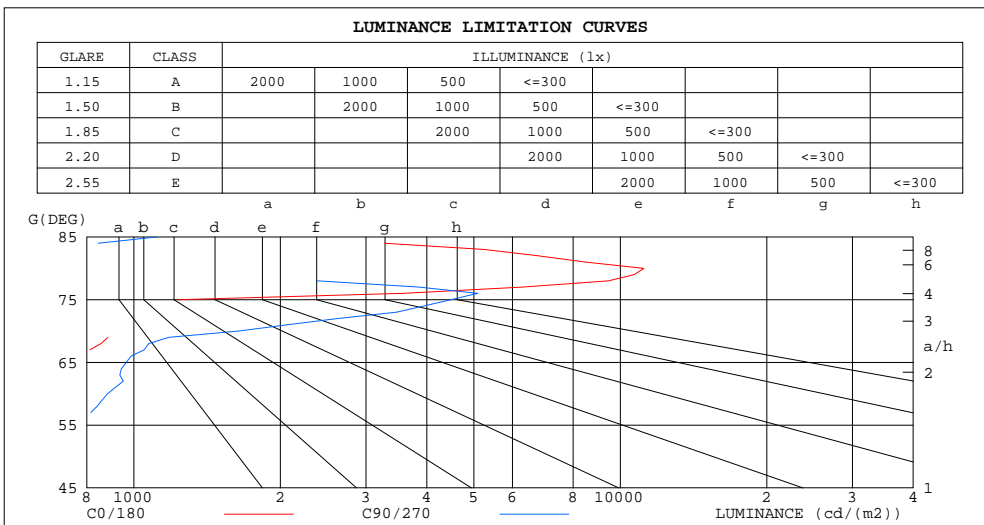
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lum,lamp
10	364.0	364.3	364.6	365.3	366.0	367.0	363.3	365.5	0- 10	35.16	35.16	4.74,4.74
20	342.5	342.3	342.4	344.3	345.2	343.9	345.1	343.7	10- 20	100.5	135.6	18.3,18.3
30	185.3	189.2	185.1	189.8	210.2	207.5	220.4	195.1	20- 30	123.9	259.5	35,35
40	57.41	59.79	68.48	91.66	91.49	68.79	73.64	51.28	30- 40	81.23	340.8	45.9,45.9
50	3.283	3.586	4.054	3.790	4.009	3.706	3.465	3.244	40- 50	16.80	357.6	48.2,48.2
60	3.441	3.206	4.433	3.384	3.594	2.888	3.309	2.619	50- 60	3.183	360.8	48.6,48.6
70	1.515	2.772	5.629	3.489	1.823	2.372	2.573	2.303	60- 70	3.116	363.9	49.1,49.1
80	19.51	4.539	1.050	2.601	13.55	3.866	0.8737	1.624	70- 80	4.306	368.2	49.6,49.6
90	0	0	0	0	0	0	0	0	80- 90	2.650	370.8	50,50
100	19.51	1.624	0.8737	3.866	13.55	2.601	1.050	4.539	90-100	2.650	373.5	50.4,50.4
110	1.515	2.303	2.573	2.372	1.823	3.489	5.629	2.772	100-110	4.306	377.8	50.9,50.9
120	3.441	2.619	3.309	2.888	3.594	3.384	4.433	3.206	110-120	3.116	380.9	51.4,51.4
130	3.283	3.244	3.465	3.706	4.009	3.790	4.054	3.586	120-130	3.183	384.1	51.8,51.8
140	57.41	51.28	73.64	68.79	91.49	91.66	68.48	59.79	130-140	16.80	400.9	54.1,54.1
150	185.3	195.1	220.4	207.5	210.2	189.8	185.1	189.2	140-150	81.23	482.1	65,65
160	342.5	343.7	345.1	343.9	345.2	344.3	342.4	342.3	150-160	123.9	606.0	81.7,81.7
170	364.0	365.5	363.3	367.0	366.0	365.3	364.6	364.3	160-170	100.5	706.5	95.3,95.3
180	372.0	372.0	372.0	372.0	372.0	372.0	372.0	372.0	170-180	35.16	741.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.: LED Luminaires	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	496	1113
80	11180	602
75	1234	4482
70	441	1638
65	744	965
60	685	882
55	583	737
50	508	628
45	858	830

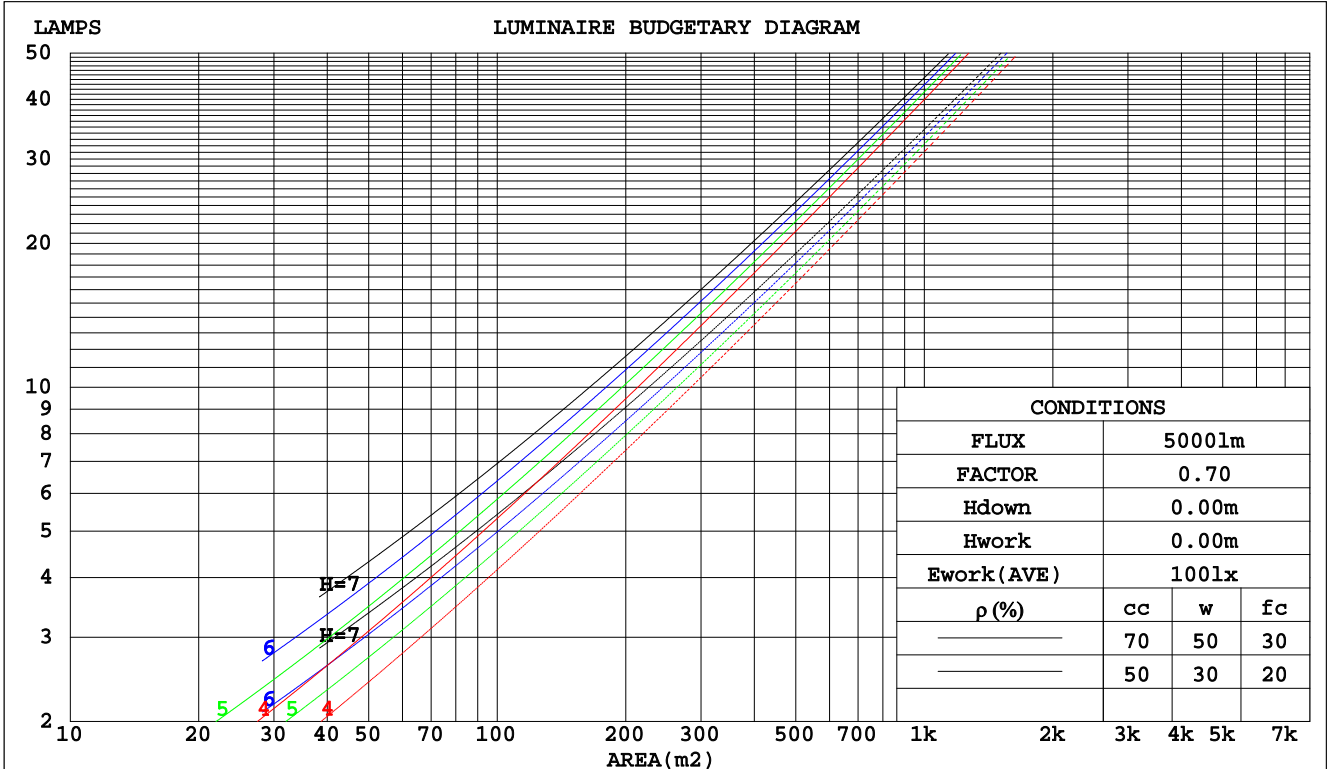
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Water  
 Test Date: 2024-08-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity: 47%  
 Test Distance: 2.519m [K=3.9698]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.: LED Luminaires	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		
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
ρw	0																	
ρfc	20%			20%			20%			20%			20%			0		
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)																	
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50		
1.0	.96	.93	.90	.89	.87	.84	.76	.74	.73	.64	.63	.62	.53	.52	.51	.46		
2.0	.87	.82	.78	.81	.77	.73	.70	.67	.64	.59	.57	.55	.50	.48	.47	.43		
3.0	.79	.73	.68	.74	.69	.65	.64	.60	.57	.55	.52	.50	.47	.45	.43	.40		
4.0	.72	.66	.61	.68	.62	.58	.59	.55	.52	.51	.48	.46	.44	.42	.40	.37		
5.0	.66	.59	.54	.62	.56	.52	.55	.50	.47	.48	.45	.42	.41	.39	.37	.34		
6.0	.61	.54	.49	.57	.51	.47	.51	.46	.43	.45	.41	.39	.39	.36	.35	.32		
7.0	.56	.49	.45	.53	.47	.43	.47	.43	.39	.42	.38	.36	.37	.34	.32	.30		
8.0	.52	.45	.41	.49	.43	.39	.44	.39	.36	.39	.36	.33	.34	.32	.30	.28		
9.0	.48	.42	.38	.46	.40	.36	.41	.37	.34	.37	.33	.31	.33	.30	.28	.26		
10.0	.45	.39	.35	.43	.37	.34	.39	.34	.31	.35	.31	.29	.31	.28	.27	.25		



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Water  
 Test Date: 2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity: 47%  
 Test Distance: 2.519m [K=3.9698]  
 Remarks:

WEC AND CCEC

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.:LED Luminaires	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	.225	.128	.040	.203	.116	.037	.162	.093	.030	.124	.071	.023	.089	.052	.017	
2.0	.209	.114	.035	.189	.104	.032	.151	.084	.026	.117	.066	.021	.085	.048	.015	
3.0	.194	.103	.031	.176	.094	.028	.142	.077	.023	.111	.061	.019	.082	.045	.014	
4.0	.182	.094	.028	.165	.086	.026	.134	.071	.021	.105	.057	.017	.078	.043	.013	
5.0	.170	.087	.025	.155	.080	.023	.127	.066	.019	.100	.053	.016	.075	.040	.012	
6.0	.160	.080	.023	.146	.074	.021	.120	.061	.018	.095	.050	.015	.072	.038	.011	
7.0	.151	.075	.021	.138	.069	.020	.114	.058	.017	.091	.047	.014	.069	.036	.011	
8.0	.143	.070	.020	.131	.065	.018	.108	.054	.015	.087	.044	.013	.067	.034	.010	
9.0	.136	.066	.018	.124	.061	.017	.103	.051	.014	.083	.042	.012	.064	.033	.009	
10.0	.129	.062	.017	.118	.057	.016	.098	.048	.014	.080	.040	.011	.062	.031	.009	

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.559	.541	.525	.478	.464	.452	.327	.319	.313	.188	.185	.182	.060	.060	.059	
2.0	.548	.519	.495	.469	.447	.428	.322	.309	.298	.185	.180	.175	.059	.058	.057	
3.0	.539	.503	.474	.462	.434	.411	.317	.301	.288	.183	.176	.170	.059	.057	.056	
4.0	.531	.490	.459	.455	.423	.399	.313	.295	.281	.181	.173	.166	.058	.056	.055	
5.0	.524	.480	.448	.450	.415	.390	.310	.290	.275	.179	.170	.163	.058	.056	.054	
6.0	.517	.472	.440	.445	.409	.383	.307	.286	.271	.178	.168	.161	.057	.055	.053	
7.0	.511	.466	.434	.440	.404	.378	.304	.283	.268	.177	.167	.159	.057	.055	.053	
8.0	.506	.460	.429	.436	.399	.374	.301	.280	.265	.175	.165	.158	.057	.054	.052	
9.0	.501	.456	.425	.432	.396	.371	.299	.278	.263	.174	.164	.157	.056	.054	.052	
10.0	.497	.452	.422	.428	.392	.368	.297	.276	.262	.173	.163	.156	.056	.054	.052	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME:ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.: LED Luminaires	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	10.3	11.1	11.2	11.9	12.9	10.9	11.6	11.7	12.4	13.4
3H	10.2	10.8	11.0	11.7	12.7	10.8	11.5	11.7	12.3	13.4
4H	10.2	10.8	11.1	11.7	12.8	11.8	12.4	12.7	13.3	14.4
6H	15.7	16.3	16.6	17.2	18.3	12.0	12.6	13.0	13.5	14.6
8H	16.4	16.9	17.3	17.8	19.0	12.0	12.5	12.9	13.4	14.6
12H	16.4	16.9	17.3	17.8	19.0	11.9	12.4	12.8	13.3	14.5
4H 2H	9.9	10.5	10.8	11.4	12.5	10.4	11.0	11.3	11.9	13.0
3H	9.8	10.3	10.7	11.2	12.3	10.4	11.0	11.4	11.9	13.0
4H	9.8	10.3	10.7	11.2	12.4	11.4	11.9	12.4	12.8	14.0
6H	16.8	17.2	17.8	18.2	19.4	11.7	12.1	12.7	13.1	14.3
8H	17.5	17.9	18.5	18.9	20.1	11.6	12.0	12.6	13.0	14.2
12H	17.5	17.9	18.5	18.8	20.1	11.6	11.9	12.6	12.9	14.2
8H 4H	9.8	10.2	10.8	11.1	12.4	11.3	11.6	12.2	12.6	13.8
6H	17.3	17.6	18.3	18.6	19.9	11.6	11.9	12.6	12.9	14.2
8H	18.1	18.4	19.1	19.4	20.7	11.5	11.8	12.5	12.8	14.1
12H	18.1	18.3	19.1	19.3	20.6	11.5	11.7	12.5	12.7	14.1
12H 4H	9.7	10.1	10.7	11.1	12.3	11.8	12.1	12.8	13.1	14.4
6H	17.2	17.5	18.2	18.5	19.8	12.1	12.3	13.1	13.3	14.6
8H	18.0	18.2	19.0	19.3	20.6	12.0	12.2	13.0	13.2	14.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.2					+ 2.0 / - 2.2				
1.5H	+ 1.3 / - 0.9					+ 3.9 / - 2.8				
2.0H	+ 0.6 / - 1.2					+ 3.1 / - 2.5				

CIE Pub.117, 741.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)  
Area: 0.010048 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.0DEG  
Operators:Water  
Test Date:2024-08-21

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
Humidity:47%  
Test Distance:2.519m [K=3.9698]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME:ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.:LED Luminaires	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

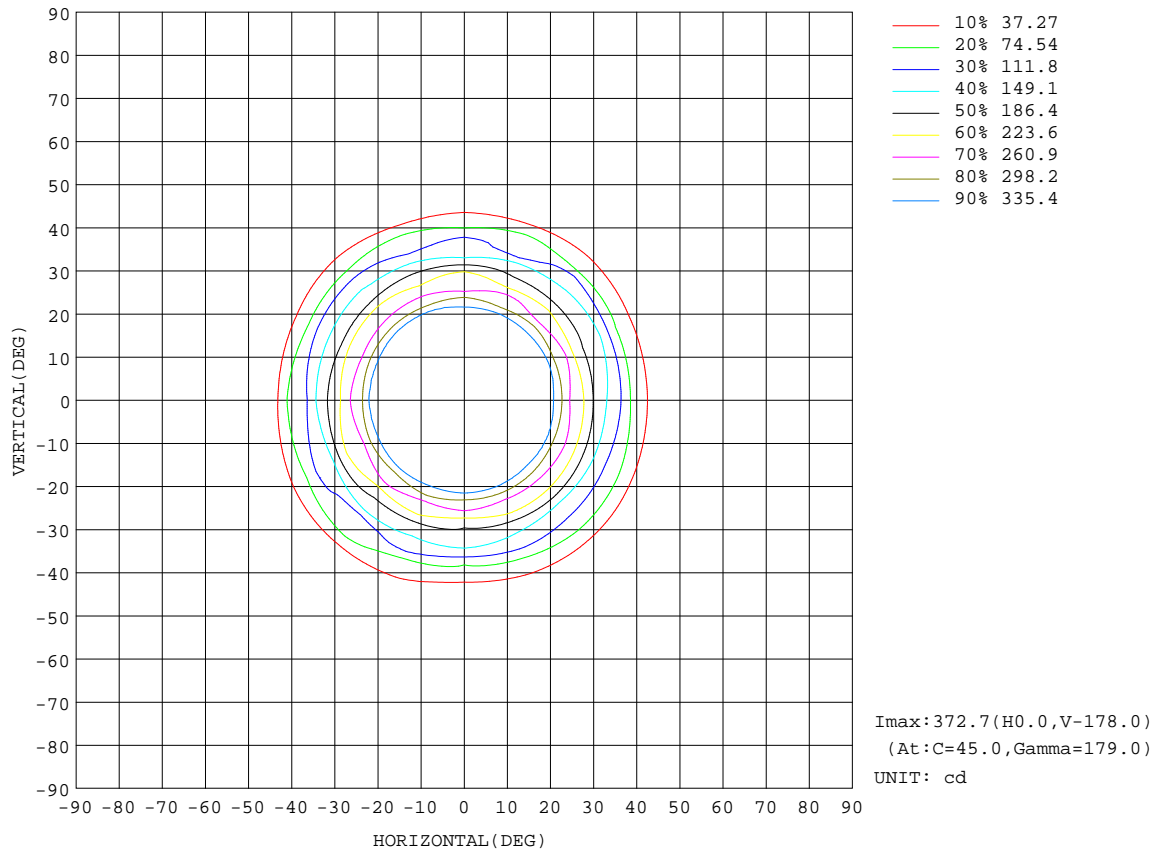
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	51	46	56	49	45	52	46	43	36
0.80	67	59	54	64	56	52	58	52	49	40
1.00	73	64	59	69	62	57	62	57	53	42
1.25	78	70	65	74	67	62	65	60	57	44
1.50	82	74	69	77	71	66	68	63	60	45
2.00	87	80	75	82	76	71	71	67	64	46
2.50	91	84	79	84	79	75	73	70	67	47
3.00	93	88	83	87	82	78	75	72	69	47
4.00	97	92	88	90	86	83	77	74	72	48
5.00	99	95	92	91	88	86	78	76	74	49
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: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.: LED Luminaires	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

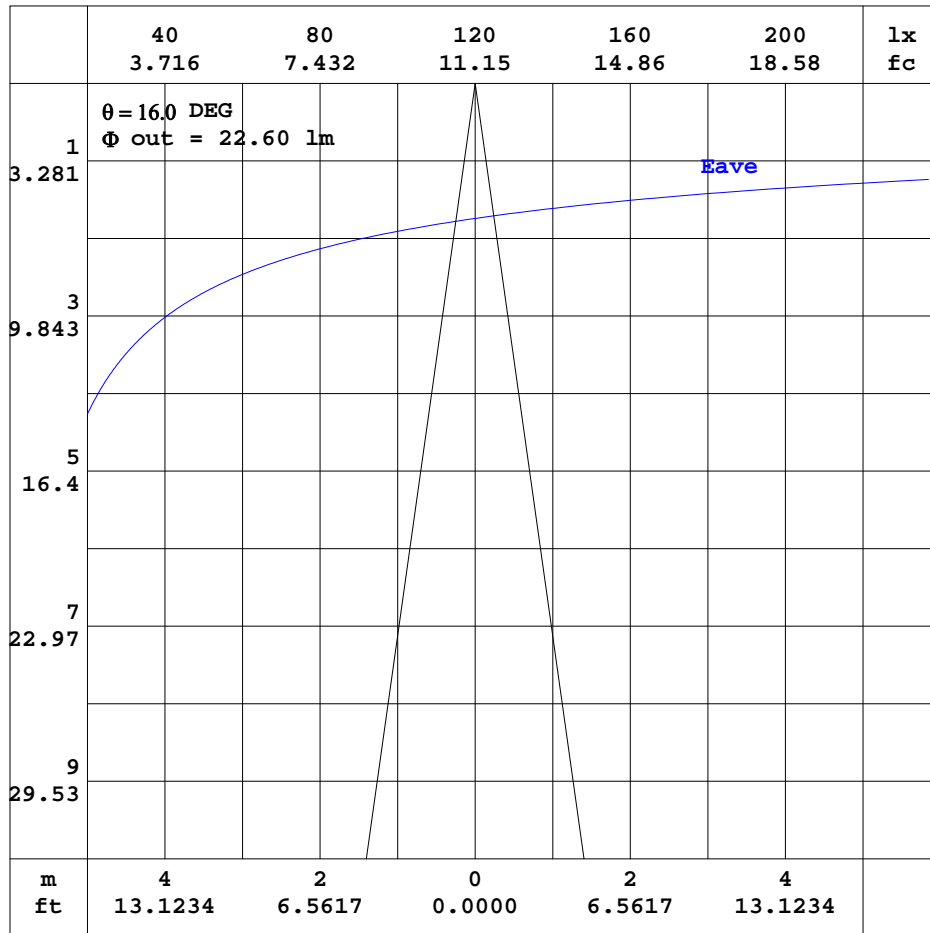


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Water  
 Test Date: 2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity: 47%  
 Test Distance: 2.519m [K=3.9698]  
 Remarks:

AAI CURVES

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.:LED Luminaires	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



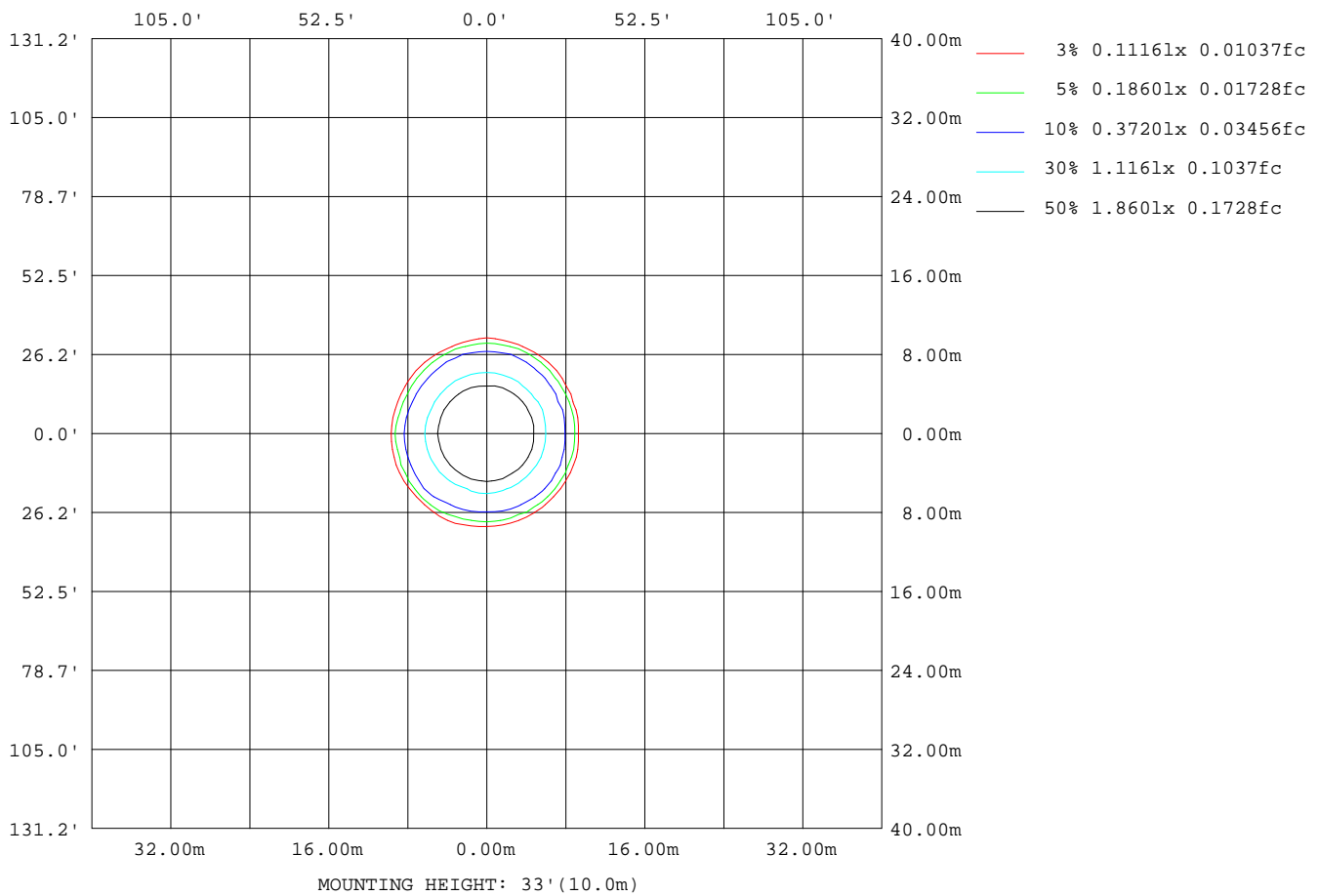
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.:LED Luminaires	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: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

LED Avg.L Report

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.:LED Luminaires	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

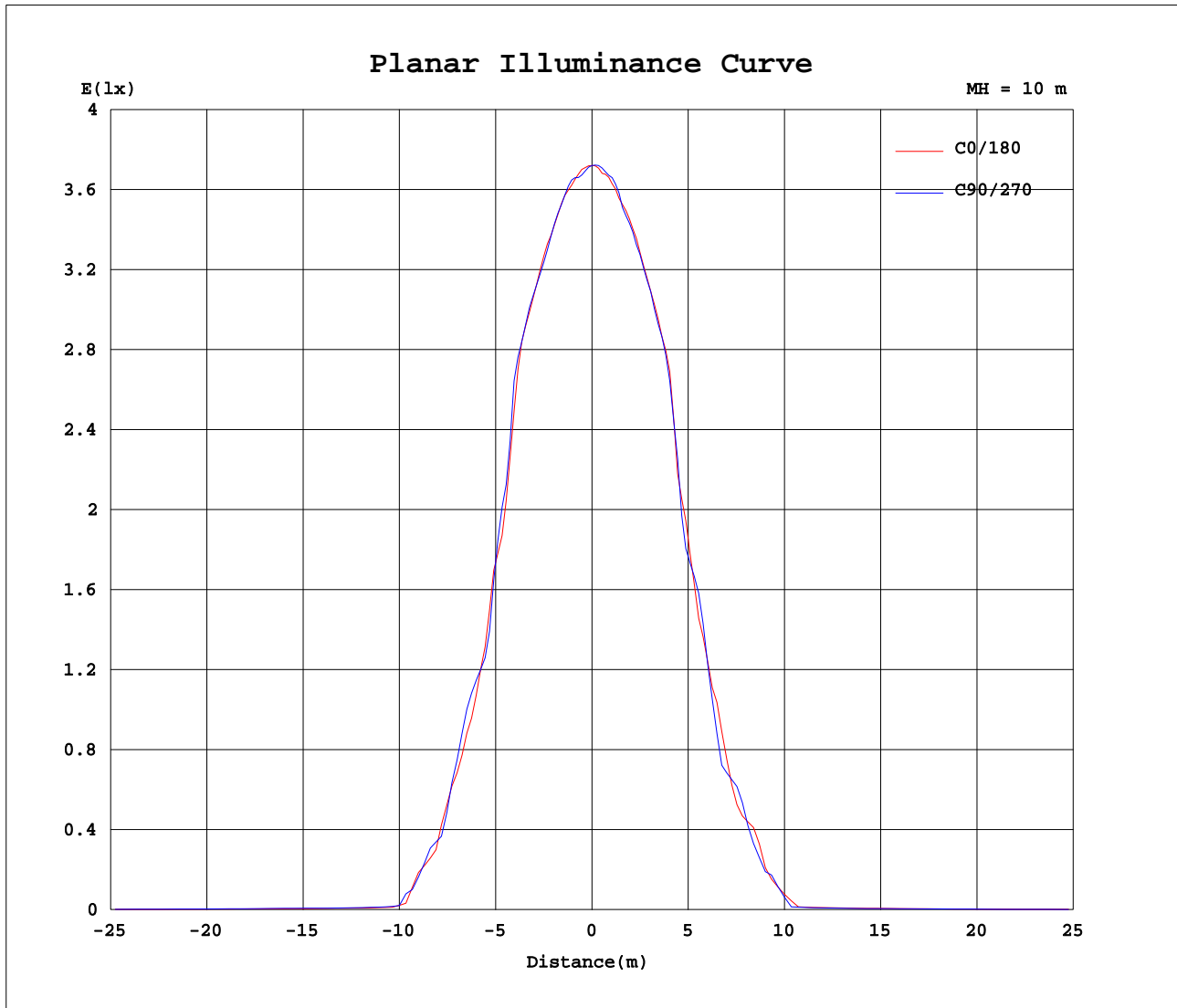
AvgL	cd/m2
L_0~180(65)av	732
L_0~180(75)av	1415
L_0~180(85)av	651
L_90~270(65)av	823
L_90~270(75)av	4511
L_90~270(85)av	888
L_45(65)av	602
L_45(75)av	683
L_45(85)av	744

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:47%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0DEG  
 Operators: Water  
 Test Date: 2024-08-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity: 47%  
 Test Distance: 2.519m [K=3.9698]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.1518A P:17.870W PF:0.9805 Freq:60.00Hz Lamp Flux:741.648x1 lm		
NAME: ASD-LCLR-2B-18BK 5000K	TYPE: N/A	WEIGHT: N/A
SPEC.: LED Luminaires	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	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372			
5	369	368	368	369	370	370	371	370	370	369	370	372	371	370	371	370			
10	364	363	364	364	365	365	365	367	366	366	367	364	363	364	366	364			
15	355	355	355	353	353	355	356	356	357	358	357	358	356	355	356	357			
20	342	344	342	342	342	343	344	345	345	346	344	346	345	345	344	344			
25	251	267	260	257	270	260	275	264	276	273	274	275	265	275	255	270			
30	185	188	189	186	185	193	190	219	210	206	208	209	220	191	195	186			
35	124	120	121	125	136	134	115	125	137	147	148	126	125	113	140	142			
40	57.4	58.4	59.8	52.9	68.5	52.4	91.7	76.2	91.5	67.5	68.8	87.1	73.6	86.7	51.3	69.5			
45	6.09	4.79	8.44	4.92	5.90	17.2	8.98	18.3	21.8	12.2	16.0	6.04	17.6	7.18	14.5	4.99			
50	3.28	3.83	3.59	4.05	4.05	3.91	3.79	4.22	4.01	4.07	3.71	3.49	3.46	3.42	3.24	3.32			
55	3.36	3.57	3.42	3.67	4.25	3.57	3.91	4.01	3.77	3.81	3.47	3.05	3.09	2.93	3.08	3.18			
60	3.44	3.36	3.21	4.07	4.43	4.20	3.38	3.81	3.59	3.60	2.89	3.26	3.31	3.00	2.62	3.13			
65	3.16	2.96	2.73	3.79	4.10	3.95	3.13	3.41	3.06	2.90	2.27	2.77	2.90	2.58	2.10	2.63			
70	1.51	2.94	2.77	2.82	5.63	3.39	3.49	3.07	1.82	2.21	2.37	2.37	2.57	2.10	2.30	2.40			
75	3.21	0.98	1.77	2.22	11.7	2.33	1.97	3.30	4.15	1.22	1.65	2.28	11.8	1.95	1.71	0.73			
80	19.5	19.1	4.54	0.95	1.05	1.07	2.60	17.0	13.5	21.5	3.87	0.85	0.87	0.79	1.62	14.3			
85	0.43	0.75	0.56	0.70	0.97	0.92	0.85	0.72	0.71	3.33	0.65	0.62	0.58	0.56	0.54	0.74			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.43	0.74	0.54	0.56	0.58	0.62	0.65	3.33	0.71	0.72	0.85	0.92	0.97	0.70	0.56	0.75			
100	19.5	14.3	1.62	0.79	0.87	0.85	3.87	21.5	13.5	17.0	2.60	1.07	1.05	0.95	4.54	19.1			
105	3.21	0.73	1.71	1.95	11.8	2.28	1.65	1.22	4.15	3.30	1.97	2.33	11.7	2.22	1.77	0.98			
110	1.51	2.40	2.30	2.10	2.57	2.37	2.37	2.21	1.82	3.07	3.49	3.39	5.63	2.82	2.77	2.94			
115	3.16	2.63	2.10	2.58	2.90	2.77	2.27	2.90	3.06	3.41	3.13	3.95	4.10	3.79	2.73	2.96			
120	3.44	3.13	2.62	3.00	3.31	3.26	2.89	3.60	3.59	3.81	3.38	4.20	4.43	4.07	3.21	3.36			
125	3.36	3.18	3.08	2.93	3.09	3.05	3.47	3.81	3.77	4.01	3.91	3.57	4.25	3.67	3.42	3.57			
130	3.28	3.32	3.24	3.42	3.46	3.49	3.71	4.07	4.01	4.22	3.79	3.91	4.05	4.05	3.59	3.83			
135	6.09	4.99	14.5	7.18	17.6	6.04	16.0	12.2	21.8	18.3	8.98	17.2	5.90	4.92	8.44	4.79			
140	57.4	69.5	51.3	86.7	73.6	87.1	68.8	67.5	91.5	76.2	91.7	52.4	68.5	52.9	59.8	58.4			
145	124	142	140	113	125	126	148	147	137	125	115	134	136	125	121	120			
150	185	186	195	191	220	209	208	206	210	219	190	193	185	186	189	188			
155	251	270	255	275	265	275	274	273	276	264	275	260	270	257	260	267			
160	342	344	344	345	345	346	344	346	345	345	344	343	342	342	342	344			
165	355	357	356	355	356	358	357	358	357	356	356	355	353	353	355	355			
170	364	364	366	364	363	364	367	366	366	367	365	365	365	364	364	363			
175	369	370	371	370	371	372	370	369	370	370	371	370	370	369	368	368			
180	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372			

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