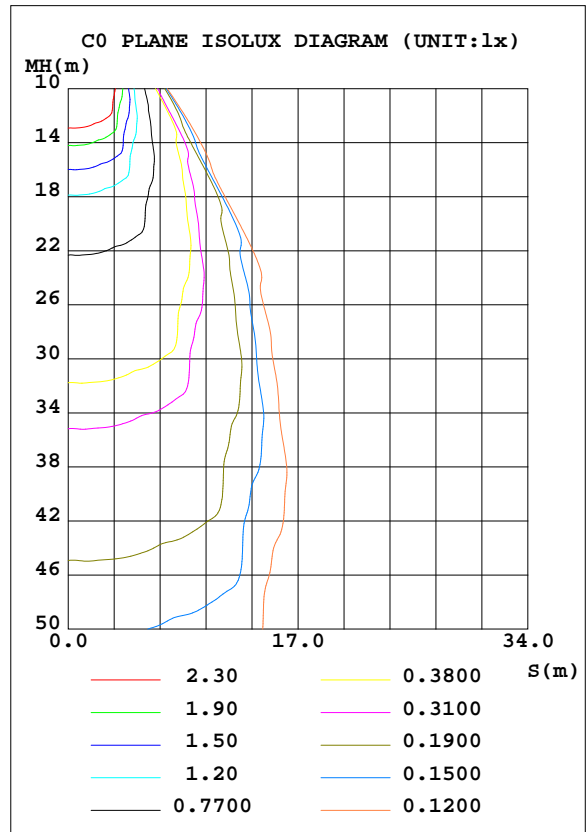
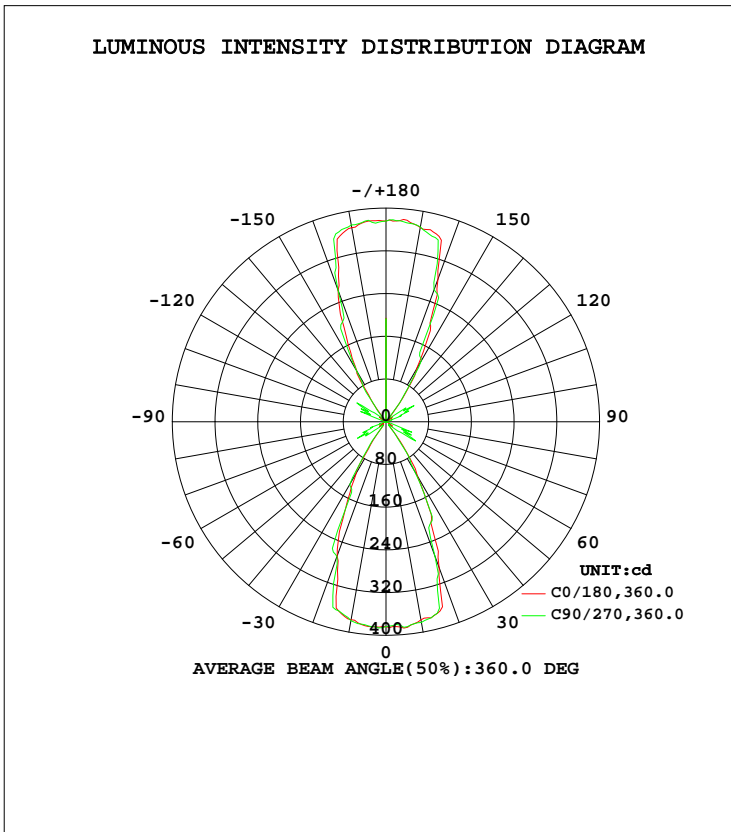


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME: ASD-LCLS-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: 31.56 lm/W
MODEL	ASD-LCLS-2B-18BK 5000K	I <sub>max</sub> (cd)	388.4	S/MH(C0/180)	0.77	
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.77	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	560.74	η UP, DN(C0-180)	24.7,25.1	
NOMINAL FLUX(lm)	560.738	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	24.9,25.4	
LAMPS INSIDE	1	η up(%)	49.5	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	120	η down(%)	50.5	CIBSE SHR MAX	0.80	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

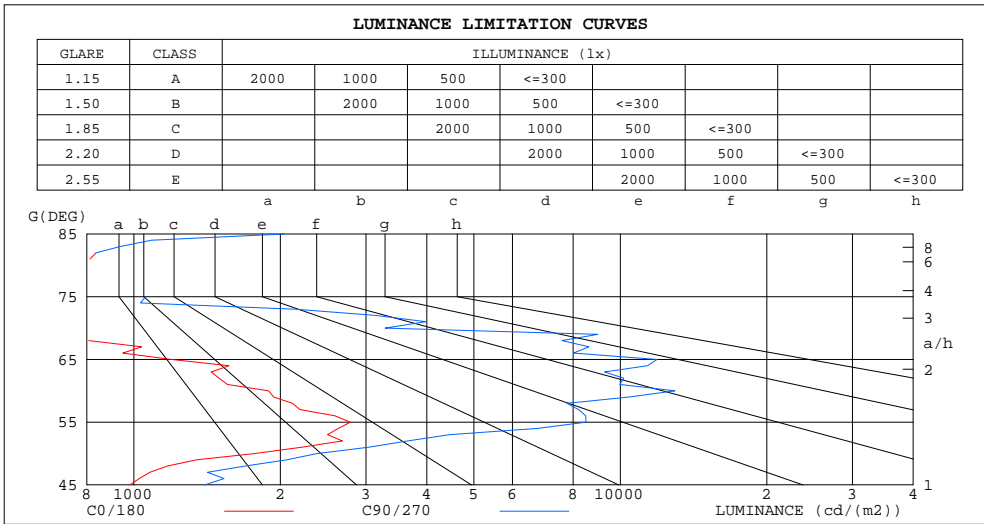
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lum,lamp
10	376.5	375.4	378.2	374.5	376.8	380.7	381.7	377.8	0- 10	36.42	36.42	6.5,6.5
20	267.6	266.2	268.7	274.8	290.9	287.9	268.3	268.0	10- 20	96.87	133.3	23.8,23.8
30	111.7	123.4	135.7	125.0	118.3	113.7	110.8	113.3	20- 30	87.38	220.7	39.4,39.4
40	7.019	6.310	8.274	8.549	8.984	6.434	7.880	6.206	30- 40	31.06	251.7	44.9,44.9
50	10.87	4.748	14.61	5.632	11.67	5.019	15.87	5.035	40- 50	5.583	257.3	45.9,45.9
60	9.038	3.120	61.84	3.758	7.590	3.080	38.24	4.447	50- 60	12.55	269.9	48.1,48.1
70	1.179	2.452	10.73	2.309	1.362	3.073	17.94	2.833	60- 70	10.04	279.9	49.9,49.9
80	1.223	1.090	1.152	1.218	2.468	1.210	0.7004	0.9557	70- 80	2.074	282.0	50.3,50.3
90	0	0	0	0	0	0	0	0	80- 90	1.177	283.1	50.5,50.5
100	1.199	0.9370	0.6867	1.187	2.419	1.194	1.129	1.068	90-100	1.154	284.3	50.7,50.7
110	1.156	2.778	17.59	3.013	1.335	2.263	10.52	2.404	100-110	2.034	286.3	51.1,51.1
120	8.861	4.360	37.49	3.020	7.441	3.684	60.63	3.059	110-120	9.842	296.2	52.8,52.8
130	10.66	4.937	15.55	4.920	11.44	5.522	14.32	4.654	120-130	12.30	308.5	55,55
140	6.881	6.085	7.725	6.307	8.808	8.381	8.112	6.186	130-140	5.473	313.9	56,56
150	109.5	111.0	108.6	111.4	116.0	122.6	133.0	120.9	140-150	30.45	344.4	61.4,61.4
160	262.4	262.7	263.0	282.2	285.2	269.4	263.4	260.9	150-160	85.66	430.1	76.7,76.7
170	369.1	370.4	374.3	373.3	369.4	367.1	370.8	368.0	160-170	94.97	525.0	93.6,93.6
180	376.0	376.0	376.0	376.0	376.0	376.0	376.0	376.0	170-180	35.71	560.7	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:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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	567	2038
80	737	694
75	518	1056
70	361	3285
65	1194	11892
60	1892	12948
55	2785	8495
50	1771	2380
45	981	1399

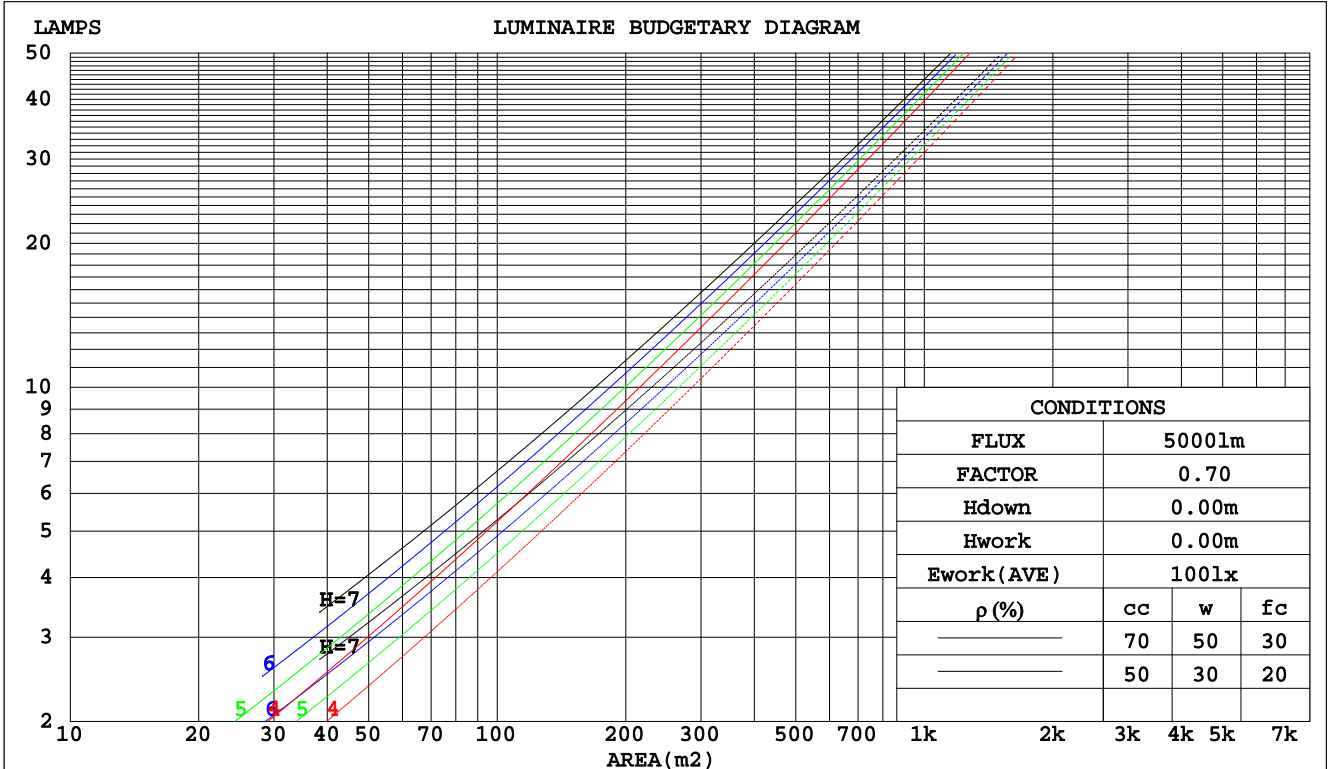
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME: ASD-LCLS-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

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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.50
1.0	.97	.93	.91	.90	.87	.85	.76	.75	.73	.64	.63	.62	.53	.53	.52	.47
2.0	.87	.82	.78	.81	.77	.74	.70	.67	.65	.60	.58	.56	.50	.49	.48	.43
3.0	.79	.74	.69	.74	.69	.65	.65	.61	.58	.56	.53	.51	.47	.46	.44	.40
4.0	.73	.66	.61	.68	.63	.58	.60	.56	.52	.52	.49	.47	.45	.43	.41	.38
5.0	.67	.60	.55	.63	.57	.53	.56	.51	.48	.49	.46	.43	.42	.40	.38	.35
6.0	.62	.55	.50	.58	.52	.48	.52	.47	.44	.46	.42	.40	.40	.38	.36	.33
7.0	.57	.51	.46	.54	.48	.44	.48	.44	.41	.43	.40	.37	.38	.36	.34	.32
8.0	.53	.47	.43	.51	.45	.41	.46	.41	.38	.41	.37	.35	.36	.34	.32	.30
9.0	.50	.44	.39	.48	.42	.38	.43	.39	.35	.39	.35	.33	.34	.32	.30	.28
10.0	.47	.41	.37	.45	.39	.36	.41	.36	.33	.37	.33	.31	.33	.30	.29	.27



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

WEC AND CCEC

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz		
Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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	.222	.126	.040	.200	.114	.036	.159	.091	.029	.122	.070	.023	.087	.051	.016	
2.0	.206	.113	.035	.187	.103	.032	.150	.083	.026	.116	.065	.020	.084	.048	.015	
3.0	.192	.102	.031	.174	.093	.028	.141	.076	.023	.110	.060	.018	.081	.045	.014	
4.0	.179	.093	.027	.163	.085	.025	.132	.070	.021	.104	.056	.017	.077	.042	.013	
5.0	.168	.085	.025	.153	.078	.023	.124	.065	.019	.098	.052	.015	.074	.039	.012	
6.0	.157	.079	.023	.144	.073	.021	.117	.060	.018	.093	.048	.014	.070	.037	.011	
7.0	.148	.073	.021	.135	.067	.019	.111	.056	.016	.088	.045	.013	.067	.035	.010	
8.0	.140	.068	.019	.128	.063	.018	.105	.053	.015	.084	.043	.012	.064	.033	.010	
9.0	.132	.064	.018	.121	.059	.017	.100	.050	.014	.080	.040	.012	.062	.031	.009	
10.0	.125	.060	.017	.115	.056	.016	.095	.047	.013	.077	.038	.011	.059	.030	.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	.568	.568	.568	.485	.485	.485	.331	.331	.331	.190	.190	.190	.061	.061	.061	
1.0	.555	.537	.522	.474	.461	.449	.325	.317	.310	.187	.184	.181	.060	.059	.058	
2.0	.544	.515	.491	.466	.443	.425	.319	.307	.296	.184	.178	.174	.059	.058	.057	
3.0	.534	.499	.470	.458	.430	.408	.315	.299	.286	.182	.175	.169	.058	.057	.055	
4.0	.526	.486	.455	.452	.420	.396	.311	.293	.279	.180	.171	.165	.058	.056	.054	
5.0	.519	.476	.444	.446	.412	.387	.307	.288	.273	.178	.169	.162	.057	.055	.053	
6.0	.512	.468	.436	.440	.405	.380	.304	.284	.269	.176	.167	.160	.057	.055	.053	
7.0	.506	.462	.430	.436	.400	.375	.301	.281	.266	.175	.165	.158	.056	.054	.052	
8.0	.501	.456	.425	.431	.396	.371	.298	.278	.263	.174	.164	.157	.056	.054	.052	
9.0	.496	.452	.422	.427	.392	.368	.296	.275	.261	.172	.163	.156	.056	.053	.052	
10.0	.491	.448	.419	.423	.389	.365	.294	.274	.260	.171	.162	.155	.056	.053	.051	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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	8.3	9.1	9.1	9.9	10.9	15.5	16.3	16.3	17.1	18.1
3H	8.5	9.2	9.4	10.0	11.1	16.7	17.4	17.6	18.2	19.3
4H	8.4	9.0	9.3	9.9	11.0	16.6	17.3	17.5	18.1	19.2
6H	8.4	9.0	9.3	9.9	11.0	16.5	17.1	17.4	17.9	19.0
8H	8.5	9.0	9.4	9.9	11.1	16.4	17.0	17.3	17.8	19.0
12H	8.4	9.0	9.4	9.9	11.0	16.4	16.9	17.3	17.8	18.9
4H 2H	8.5	9.1	9.4	10.0	11.0	15.1	15.7	16.0	16.6	17.6
3H	8.7	9.2	9.6	10.1	11.2	16.3	16.8	17.2	17.7	18.8
4H	8.6	9.1	9.6	10.0	11.2	16.2	16.7	17.1	17.6	18.8
6H	8.7	9.1	9.7	10.1	11.3	16.0	16.5	17.0	17.4	18.6
8H	8.8	9.2	9.8	10.2	11.4	16.0	16.4	17.0	17.3	18.5
12H	8.8	9.2	9.8	10.1	11.4	15.9	16.3	16.9	17.3	18.5
8H 4H	8.5	8.9	9.5	9.8	11.1	15.9	16.3	16.9	17.3	18.5
6H	8.8	9.1	9.8	10.0	11.3	15.8	16.1	16.8	17.1	18.4
8H	9.0	9.2	10.0	10.2	11.5	15.7	16.0	16.8	17.0	18.3
12H	9.0	9.2	10.0	10.3	11.6	15.7	16.0	16.8	17.0	18.3
12H 4H	8.4	8.8	9.4	9.8	11.0	15.8	16.2	16.8	17.1	18.4
6H	8.7	9.0	9.7	10.0	11.3	15.7	16.0	16.7	17.0	18.3
8H	9.0	9.2	10.0	10.2	11.5	15.6	15.9	16.7	16.9	18.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.5					+ 1.8 / - 0.8				
1.5H	+ 1.9 / - 1.2					+ 4.1 / - 6.4				
2.0H	+ 2.9 / - 2.4					+ 5.1 / - 6.7				

CIE Pub.117, 560.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)  
Area: 0.00955188 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-R3000_V2 SYSTEM V2.00.446
Temperature:25.0DEG	Humidity:46%
Operators:Water	Test Distance:2.519m [K=3.9698]
Test Date:2024-08-19	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME: ASD-LCLS-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

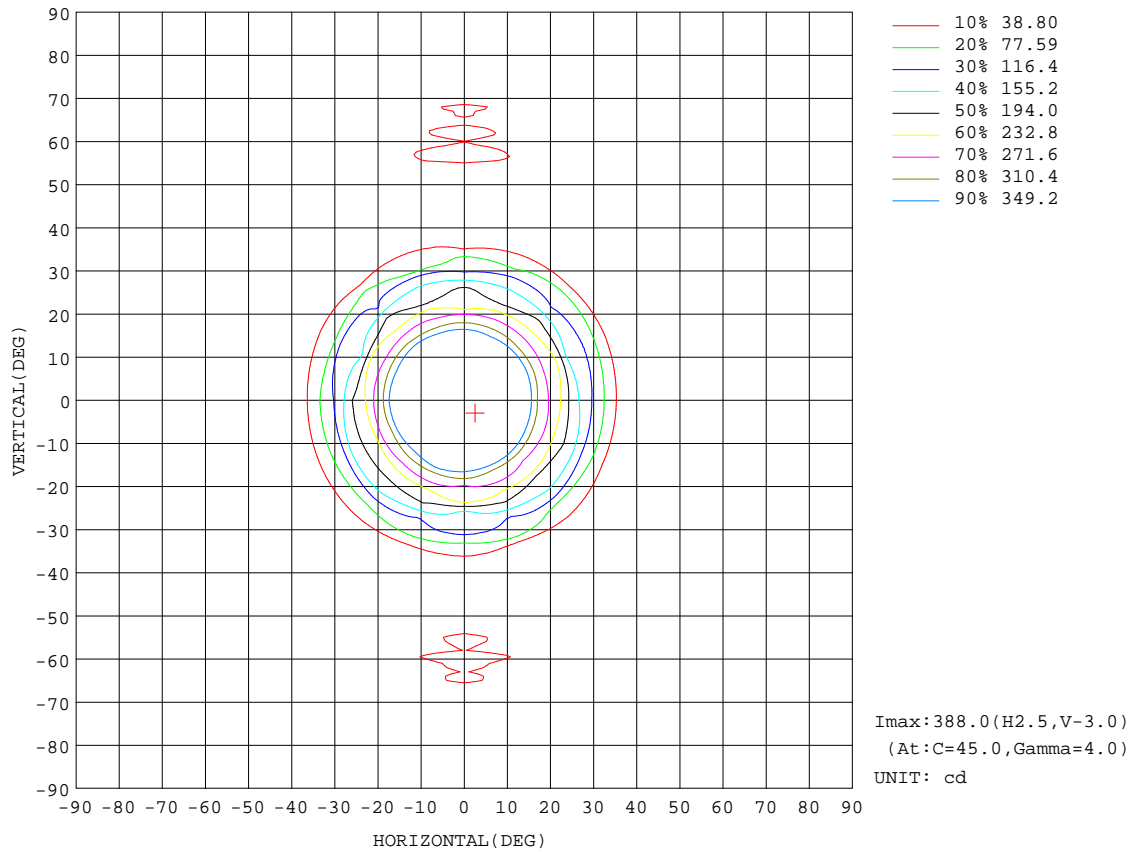
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	50	45	56	48	44	51	45	42	35
0.80	66	58	53	63	56	51	57	51	48	39
1.00	72	64	58	68	61	56	61	56	52	41
1.25	78	69	64	73	66	61	65	60	56	43
1.50	82	74	68	77	70	65	67	63	59	45
2.00	87	80	75	81	75	71	71	67	64	46
2.50	90	84	79	84	79	75	73	69	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	49
5.00	99	95	92	92	89	86	78	76	75	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:2024-08-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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

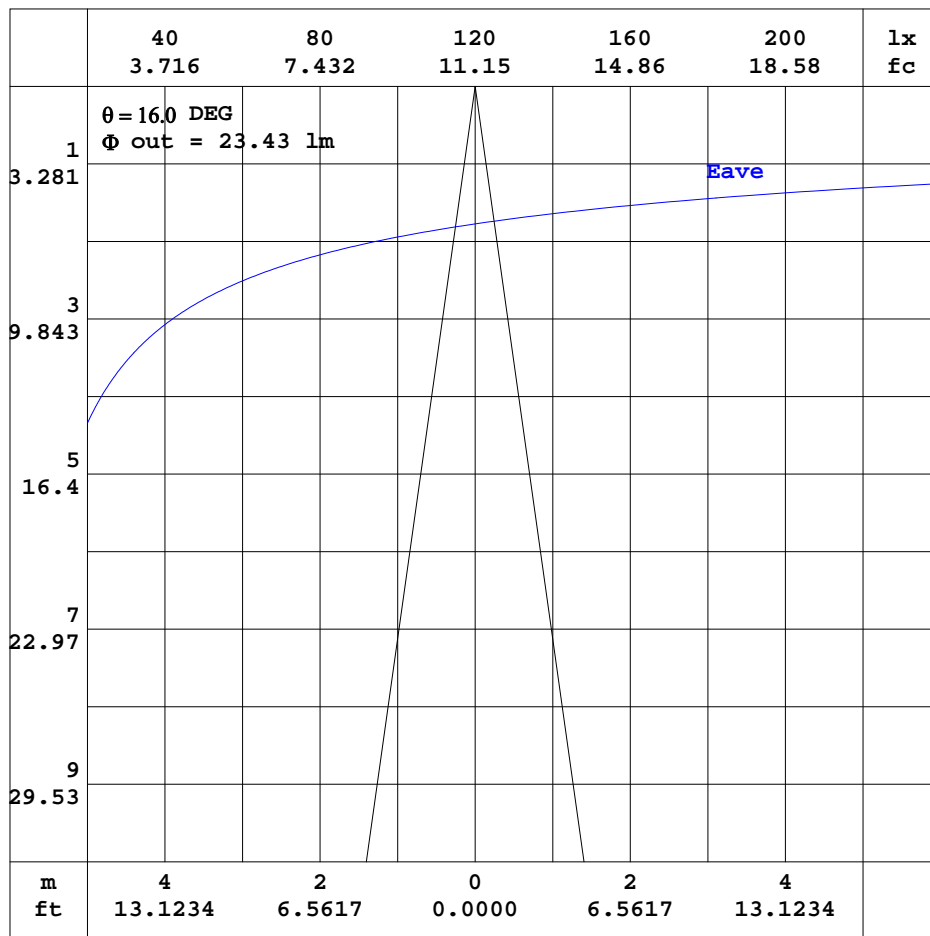


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0DEG  
Operators: Water  
Test Date: 2024-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
Humidity: 46%  
Test Distance: 2.519m [K=3.9698]  
Remarks:

**AAI CURVES**

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME: ASD-LCLS-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



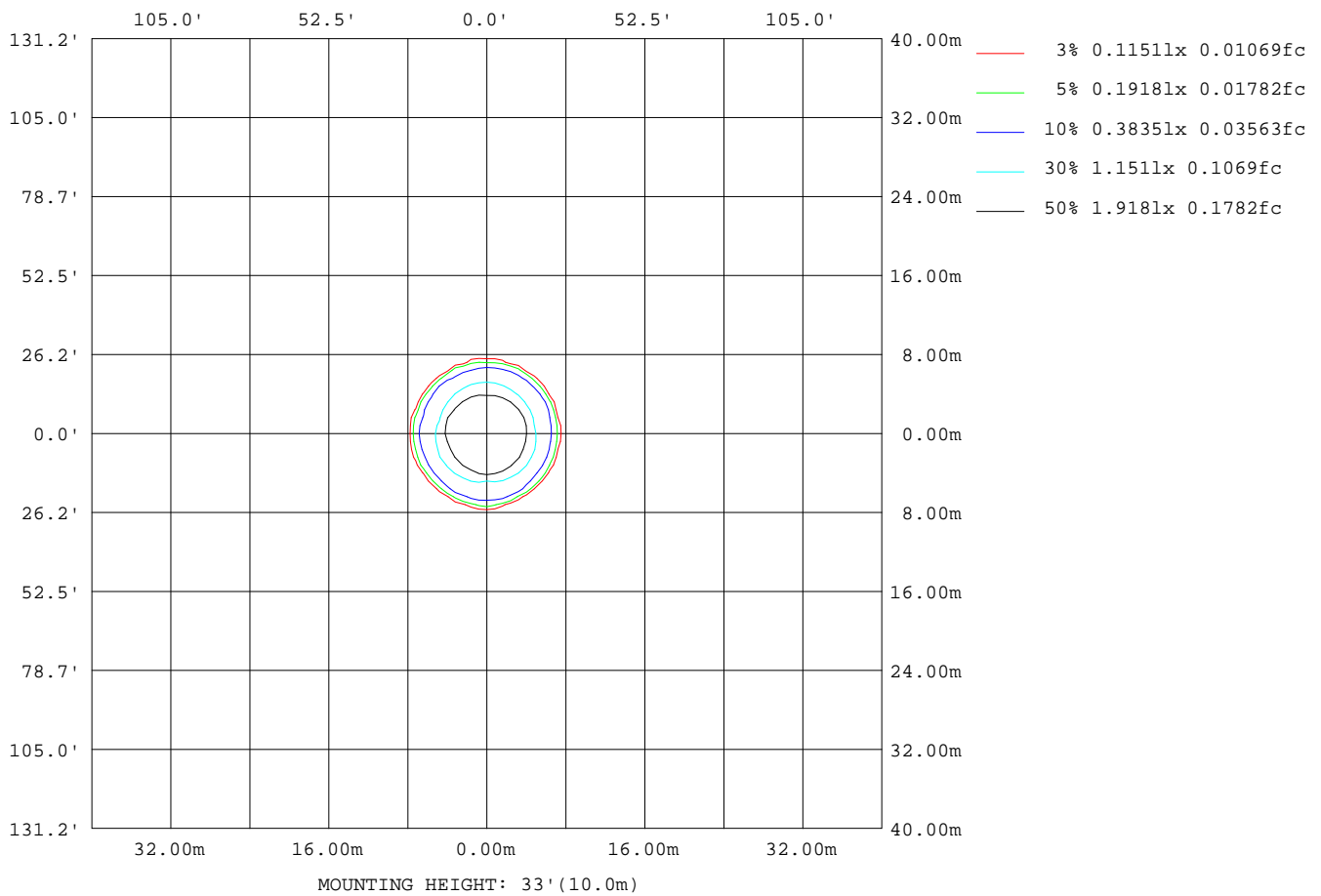
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 Test Distance:2.519m [K=3.9698]  
 Remarks:

LED Avg.L Report

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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

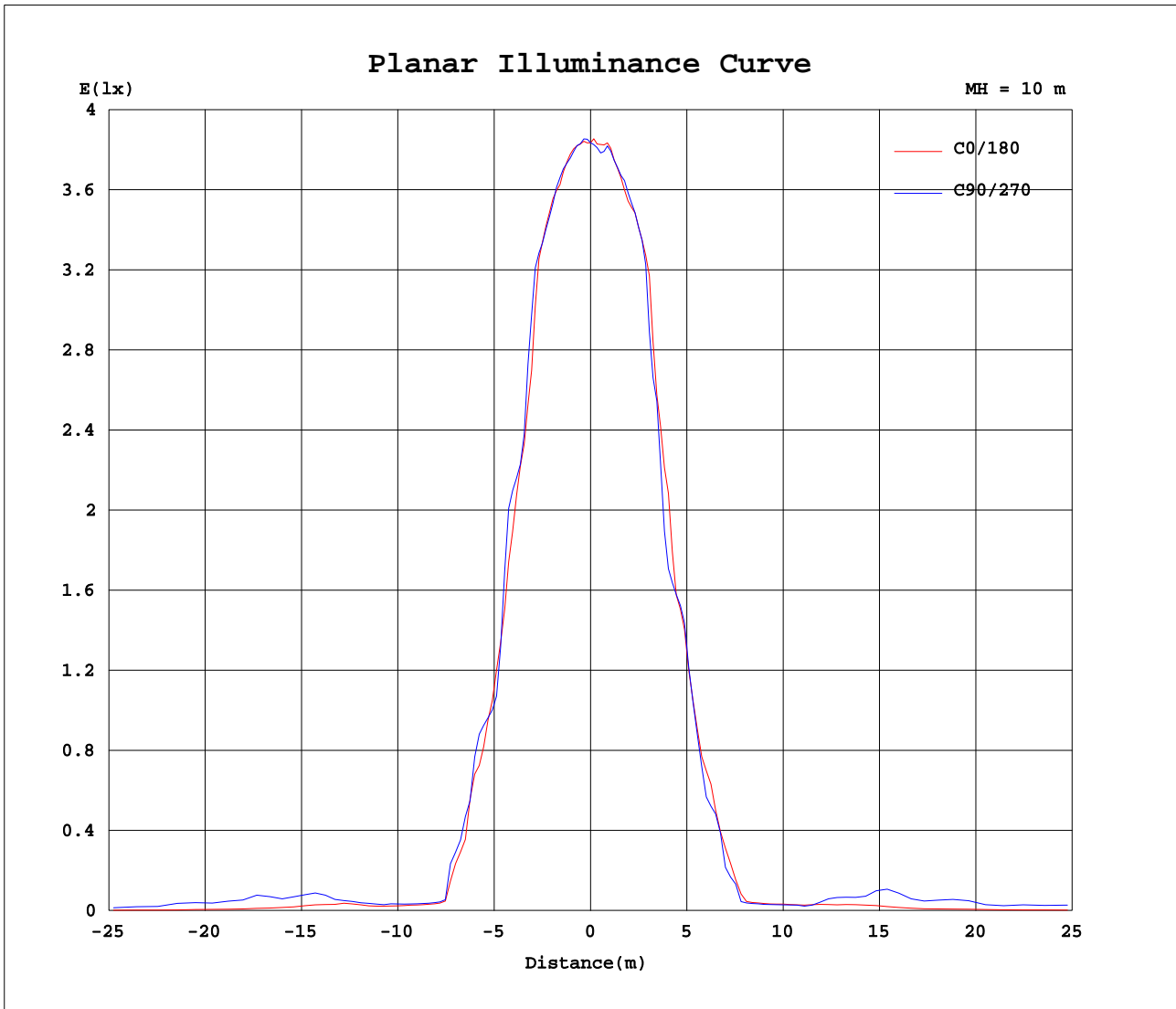
AvgL	cd/m2
L_0~180(65)av	1245
L_0~180(75)av	576
L_0~180(85)av	727
L_90~270(65)av	9961
L_90~270(75)av	1033
L_90~270(85)av	1372
L_45(65)av	874
L_45(75)av	609
L_45(85)av	963

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.0DEG  
 Operators:Water  
 Test Date:2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity:46%  
 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: 2024-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000\_V2 SYSTEM V2.00.446  
 Humidity: 46%  
 Test Distance: 2.519m [K=3.9698]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.1509A P:17.770W PF:0.9811 Freq:60.00Hz Lamp Flux:560.738x1 lm		
NAME:ASD-LCLS-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	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384			
5	385	385	386	384	384	386	385	386	388	384	380	385	386	382	383	385			
10	377	382	375	375	378	375	374	377	377	381	381	380	382	380	378	369			
15	361	359	358	362	364	365	367	370	372	371	372	372	372	364	367	365			
20	268	268	266	285	269	281	275	283	291	279	288	273	268	271	268	269			
25	180	195	176	199	177	199	196	200	202	173	205	180	205	177	197	165			
30	112	109	123	110	136	110	125	119	118	135	114	136	111	125	113	116			
35	42.7	38.0	48.2	35.3	53.1	49.2	49.6	57.4	56.6	56.5	43.5	55.2	39.3	54.6	42.5	46.0			
40	7.02	6.28	6.31	7.14	8.27	7.22	8.55	9.59	8.98	7.53	6.43	6.90	7.88	6.44	6.21	6.70			
45	6.63	5.75	5.43	7.56	9.45	7.23	6.98	8.27	9.13	7.32	5.36	6.74	8.09	6.68	5.31	5.84			
50	10.9	5.77	4.75	7.25	14.6	7.17	5.63	9.90	11.7	7.68	5.02	7.25	15.9	6.80	5.04	6.59			
55	15.3	9.70	6.57	19.2	46.5	17.1	6.26	9.59	14.5	8.39	4.48	16.8	38.3	14.7	6.53	11.0			
60	9.04	6.69	3.12	20.7	61.8	18.7	3.76	6.22	7.59	6.68	3.08	18.5	38.2	15.3	4.45	7.13			
65	4.82	5.41	3.61	6.17	48.0	5.78	4.41	5.08	5.23	5.47	3.48	10.1	32.4	5.95	2.61	5.01			
70	1.18	2.36	2.45	4.07	10.7	3.44	2.31	2.23	1.36	4.37	3.07	4.19	17.9	4.16	2.83	2.45			
75	1.28	0.82	1.43	1.96	2.61	1.71	1.43	1.30	1.57	1.16	1.41	1.51	2.50	1.74	1.75	0.61			
80	1.22	1.33	1.09	1.38	1.15	1.29	1.22	2.26	2.47	1.74	1.21	0.98	0.70	1.15	0.96	1.07			
85	0.47	0.79	0.68	1.12	1.70	1.50	1.16	0.75	0.74	0.81	0.69	0.64	0.59	0.60	0.67	0.68			
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	0.46	0.67	0.66	0.59	0.58	0.62	0.68	0.80	0.72	0.74	1.14	1.47	1.66	1.10	0.67	0.77			
100	1.20	1.05	0.94	1.13	0.69	0.96	1.19	1.70	2.42	2.22	1.19	1.26	1.13	1.35	1.07	1.30			
105	1.25	0.60	1.72	1.71	2.45	1.48	1.38	1.14	1.54	1.27	1.40	1.67	2.56	1.92	1.41	0.80			
110	1.16	2.40	2.78	4.08	17.6	4.11	3.01	4.29	1.34	2.18	2.26	3.38	10.5	3.99	2.40	2.31			
115	4.72	4.91	2.56	5.83	31.8	9.86	3.41	5.36	5.13	4.98	4.32	5.67	47.1	6.05	3.54	5.31			
120	8.86	6.99	4.36	15.0	37.5	18.1	3.02	6.55	7.44	6.09	3.68	18.4	60.6	20.3	3.06	6.56			
125	15.0	10.8	6.40	14.4	37.6	16.4	4.39	8.22	14.2	9.41	6.13	16.8	45.6	18.9	6.44	9.51			
130	10.7	6.46	4.94	6.66	15.6	7.11	4.92	7.53	11.4	9.70	5.52	7.03	14.3	7.10	4.65	5.66			
135	6.50	5.72	5.21	6.55	7.93	6.61	5.26	7.18	8.95	8.10	6.85	7.08	9.26	7.41	5.32	5.64			
140	6.88	6.57	6.08	6.31	7.73	6.77	6.31	7.38	8.81	9.40	8.38	7.08	8.11	7.00	6.19	6.16			
145	41.9	45.1	41.7	53.6	38.5	54.1	42.6	55.4	55.5	56.3	48.6	48.2	52.0	34.6	47.3	37.3			
150	110	114	111	123	109	133	111	132	116	117	123	108	133	108	121	107			
155	176	162	193	173	201	176	201	170	198	196	193	195	173	195	173	192			
160	262	263	263	266	263	268	282	273	285	278	269	275	263	279	261	263			
165	354	358	360	356	364	365	365	364	364	363	360	358	357	355	351	352			
170	369	362	370	372	374	372	373	373	369	370	367	368	371	367	368	374			
175	377	377	375	375	379	377	373	377	380	378	377	378	376	377	379	377			
180	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376			

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