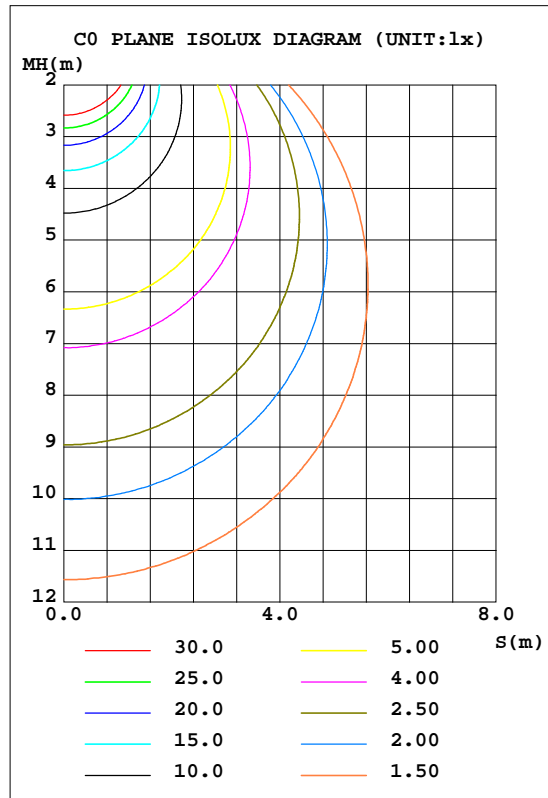
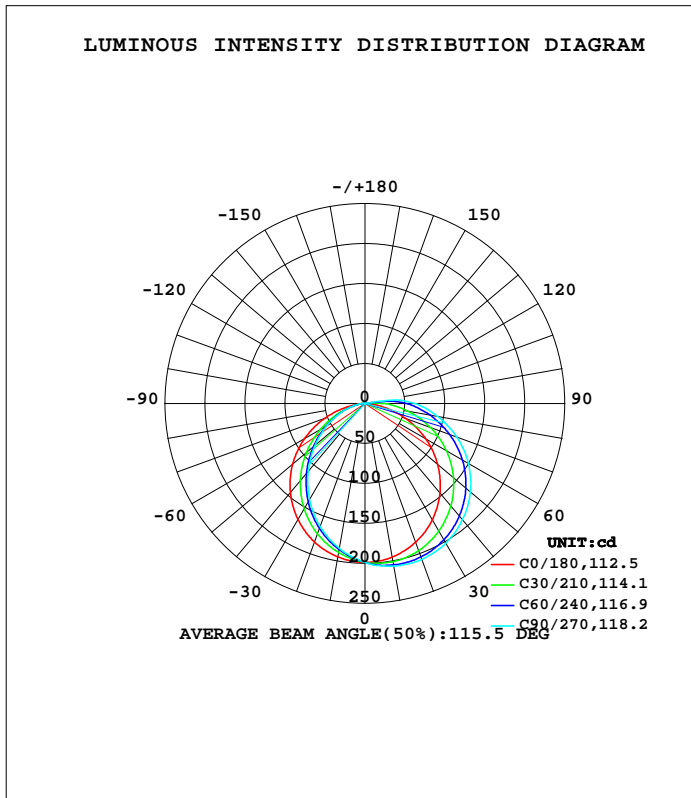


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.55 lm/W			
MOBESD-UCBS-18N8CC-WH-5000K		I <sub>max</sub> (cd)	208.0	S/MH(C0/180)	1.38
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	715	h UP, DN(C0-180)	2.0,61.6
NOMINAL FLUX(lm)	715	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.2,36.2
LAMPS INSIDE	1	h up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	97.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

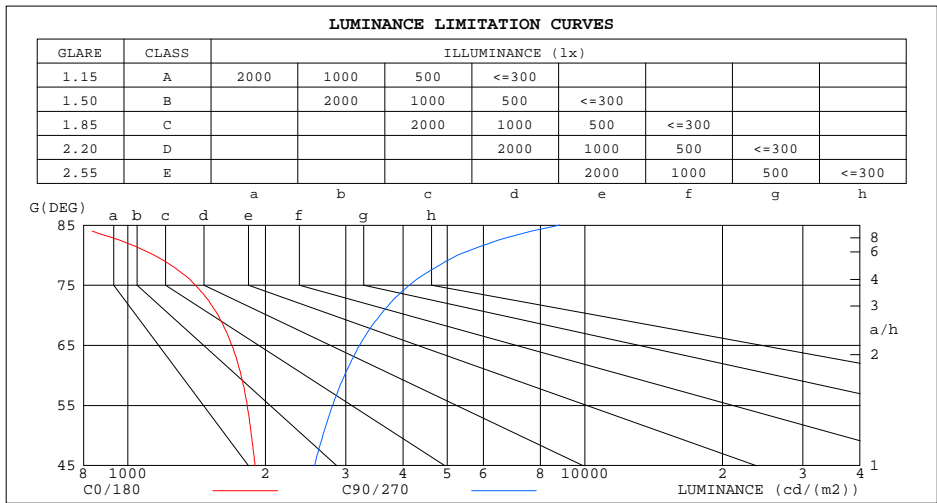
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lamp
10	195.2	203.3	206.4	202.9	195.0	187.1	184.0	187.4	0- 10	18.80	18.80	2.96
20	184.8	201.0	207.6	200.8	184.4	169.4	164.0	169.7	10- 20	53.89	72.69	11.5
30	168.3	191.9	202.0	191.6	167.7	146.1	139.0	146.8	20- 30	81.96	154.7	24.4
40	146.0	176.8	189.7	176.3	145.2	118.6	110.4	119.5	30- 40	99.49	254.1	40.1
50	118.7	156.3	172.2	156.1	118.1	88.42	81.76	89.34	40- 50	104.6	358.8	56.6
60	87.67	131.0	149.4	130.7	86.93	58.20	54.31	59.28	50- 60	97.38	456.2	71.9
70	53.43	101.7	122.1	101.7	52.64	31.14	30.29	32.18	60- 70	79.39	535.6	84.5
80	19.64	70.02	91.72	70.07	19.14	10.43	11.35	11.18	70- 80	54.53	590.1	93.1
90	0.2508	39.87	62.37	40.87	0.2578	0.4702	1.314	0.9651	80- 90	29.95	620.0	97.8
100	0.3010	0.8795	8.320	0.2702	0.2551	0.5474	0.7020	0.5353	90-100	11.65	631.7	99.6
110	0.3803	0.3766	0.3234	0.3124	0.3156	0.5799	0.7477	0.5674	100-110	0.5218	632.2	99.7
120	0.4208	0.4225	0.3828	0.3607	0.3474	0.5473	0.7241	0.5471	110-120	0.4525	632.7	99.8
130	0.4369	0.4630	0.4203	0.3946	0.3629	0.5080	0.6054	0.5008	120-130	0.4148	633.1	99.8
140	0.4285	0.4700	0.4368	0.4202	0.3654	0.4679	0.5399	0.4635	130-140	0.3514	633.4	99.9
150	0.3987	0.4764	0.4574	0.4320	0.3345	0.4232	0.4889	0.4316	140-150	0.2755	633.7	99.9
160	0.3497	0.4553	0.4430	0.4122	0.2931	0.3480	0.3879	0.3693	150-160	0.1882	633.9	100
170	0.3164	0.4302	0.4103	0.3776	0.2623	0.3087	0.3505	0.3645	160-170	0.1028	634.0	100
180	0.3178	0.4091	0.4413	0.4093	0.3172	0.4088	0.4449	0.4112	170-180	0.0344	634.0	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LiuLiwen  
Test Date:2022-12-03

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.010m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	745	8824
80	1142	5269
75	1406	4126
70	1578	3561
65	1689	3215
60	1771	2981
55	1825	2806
50	1865	2672
45	1898	2562

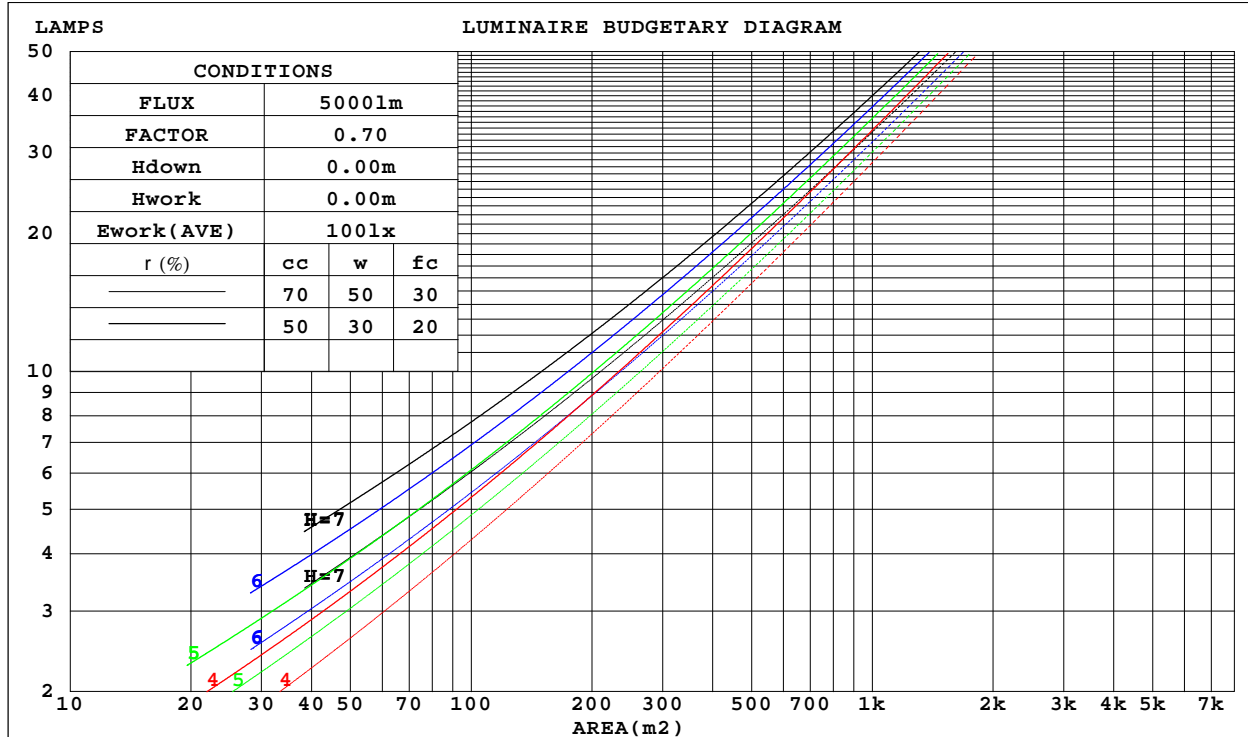
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LiuLiwen  
 Test Date: 2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 3.010m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.01	.96	.92	.99	.94	.90	.94	.90	.87	.90	.87	.84	.86	.83	.81	.79
2.0	.88	.80	.74	.85	.79	.73	.81	.76	.71	.78	.73	.69	.74	.70	.67	.64
3.0	.76	.68	.61	.75	.67	.60	.71	.64	.59	.68	.62	.57	.65	.60	.56	.54
4.0	.67	.58	.51	.66	.57	.51	.63	.56	.50	.60	.54	.49	.58	.52	.48	.46
5.0	.60	.51	.44	.59	.50	.43	.56	.49	.43	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.45	.38	.53	.44	.38	.51	.43	.37	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.40	.34	.48	.39	.33	.46	.39	.33	.45	.38	.33	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.35	.30	.42	.35	.29	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.32	.27	.40	.32	.27	.39	.32	.26	.38	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.23	.22



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.349	.198	.063	.341	.195	.062	.326	.187	.060	.313	.180	.058	.300	.174	.056	
2.0	.315	.172	.053	.308	.170	.052	.295	.164	.051	.283	.159	.050	.271	.154	.048	
3.0	.285	.152	.045	.279	.150	.045	.268	.145	.044	.257	.141	.043	.247	.137	.042	
4.0	.260	.135	.040	.255	.133	.039	.244	.130	.039	.235	.126	.038	.226	.123	.037	
5.0	.238	.121	.035	.234	.120	.035	.224	.117	.034	.216	.114	.034	.208	.111	.033	
6.0	.220	.110	.032	.215	.109	.031	.207	.106	.031	.199	.104	.030	.192	.101	.030	
7.0	.204	.101	.029	.200	.100	.028	.192	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.190	.093	.026	.186	.092	.026	.179	.090	.026	.173	.088	.025	.167	.086	.025	
9.0	.177	.086	.024	.174	.085	.024	.168	.083	.024	.162	.081	.023	.157	.080	.023	
10.0	.166	.080	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.148	.074	.021	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.200	.173	.148	.171	.148	.128	.117	.102	.088	.067	.059	.051	.022	.019	.017	
2.0	.192	.149	.112	.165	.128	.097	.113	.089	.068	.065	.052	.040	.021	.017	.013	
3.0	.185	.132	.089	.158	.113	.077	.109	.079	.054	.063	.046	.032	.020	.015	.010	
4.0	.177	.118	.074	.152	.102	.064	.104	.071	.045	.060	.042	.027	.019	.014	.009	
5.0	.169	.108	.063	.145	.094	.055	.100	.065	.039	.058	.038	.023	.019	.013	.008	
6.0	.162	.100	.056	.139	.087	.048	.096	.061	.034	.056	.036	.020	.018	.012	.007	
7.0	.155	.093	.050	.133	.081	.044	.092	.057	.031	.053	.033	.018	.017	.011	.006	
8.0	.148	.087	.046	.127	.076	.040	.088	.053	.028	.051	.031	.017	.017	.010	.006	
9.0	.142	.082	.042	.122	.071	.037	.085	.050	.026	.049	.030	.016	.016	.010	.005	
10.0	.136	.078	.040	.117	.068	.035	.081	.048	.025	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm										
NAME: ASD-UCBS-18N8CC-WH-5000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: LIBO					SUR.:			Shielding 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	15.7	17.2	16.0	17.5	17.7	17.6	19.1	17.9	19.4	19.6
3H	17.2	18.7	17.6	18.9	19.2	20.0	21.5	20.4	21.8	22.0
4H	17.8	19.2	18.2	19.5	19.8	21.3	22.7	21.7	23.0	23.3
6H	18.2	19.5	18.6	19.8	20.1	22.7	24.0	23.0	24.3	24.6
8H	18.3	19.6	18.7	19.9	20.2	23.4	24.6	23.8	25.0	25.3
12H	18.3	19.5	18.7	19.9	20.2	24.2	25.4	24.6	25.7	26.1
4H 2H	16.9	18.2	17.2	18.5	18.8	18.2	19.6	18.6	19.9	20.2
3H	18.7	19.9	19.1	20.2	20.6	20.9	22.1	21.3	22.5	22.8
4H	19.5	20.6	19.9	21.0	21.4	22.4	23.5	22.8	23.9	24.2
6H	20.1	21.1	20.5	21.5	21.9	24.0	25.0	24.4	25.3	25.8
8H	20.2	21.2	20.7	21.6	22.0	24.8	25.7	25.3	26.1	26.6
12H	20.3	21.2	20.8	21.6	22.1	25.7	26.6	26.2	27.0	27.5
8H 4H	20.4	21.3	20.9	21.8	22.2	22.8	23.7	23.2	24.1	24.5
6H	21.3	22.1	21.8	22.6	23.1	24.6	25.4	25.1	25.8	26.3
8H	21.7	22.4	22.2	22.9	23.4	25.7	26.4	26.2	26.8	27.3
12H	22.0	22.6	22.5	23.1	23.6	26.8	27.4	27.4	27.9	28.5
12H 4H	20.7	21.5	21.1	22.0	22.4	22.8	23.6	23.3	24.1	24.5
6H	21.8	22.5	22.3	23.0	23.5	24.7	25.4	25.2	25.9	26.4
8H	22.3	22.9	22.8	23.4	23.9	25.9	26.5	26.4	27.0	27.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117, 634.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.6)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

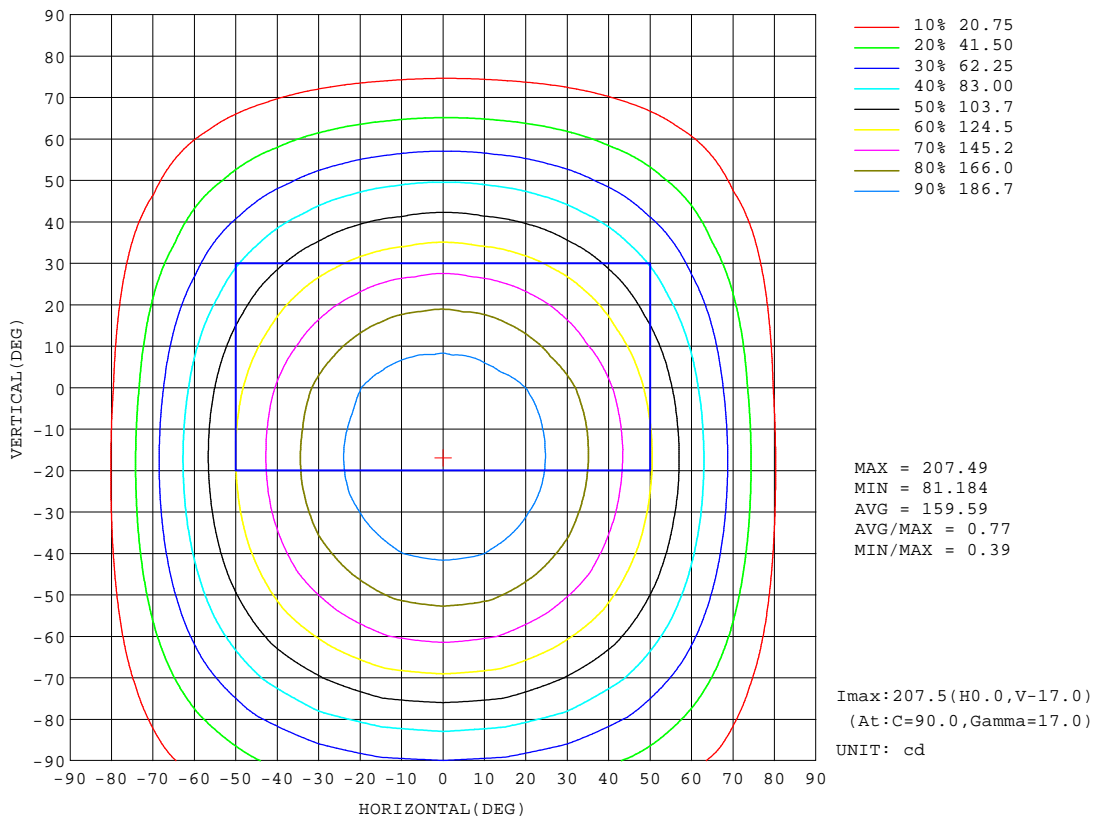
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	36	54	43	36	53	42	36	29
0.80	65	52	45	64	52	45	62	51	44	37
1.00	73	61	53	72	60	53	69	62	52	45
1.25	80	69	61	78	68	60	75	66	60	52
1.50	85	74	66	83	73	66	80	71	65	57
2.00	92	82	75	90	81	74	86	79	73	64
2.50	96	87	80	94	86	79	90	83	78	68
3.00	99	92	85	97	90	84	93	87	82	73
4.00	104	97	92	101	95	90	96	92	87	78
5.00	106	101	96	104	99	94	99	95	91	81
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:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

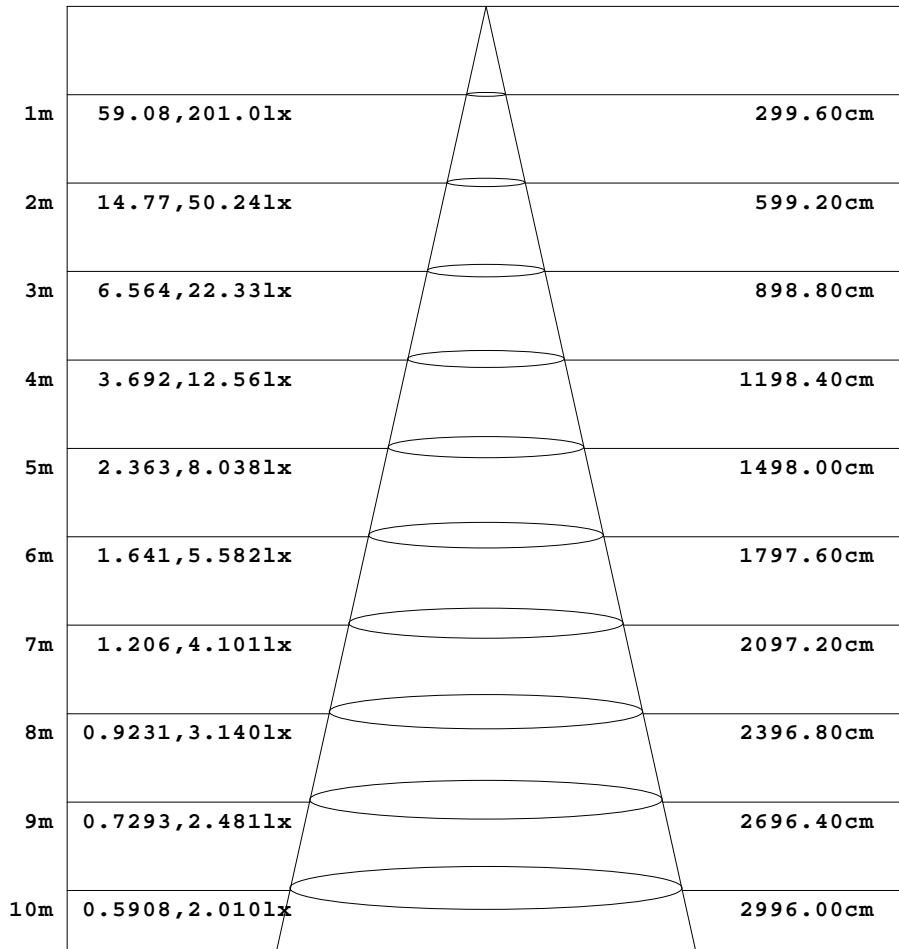
g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

Flux out:423.6 lm



Height                      Eavg, Emax                      Angle:112.55deg                      Diameter

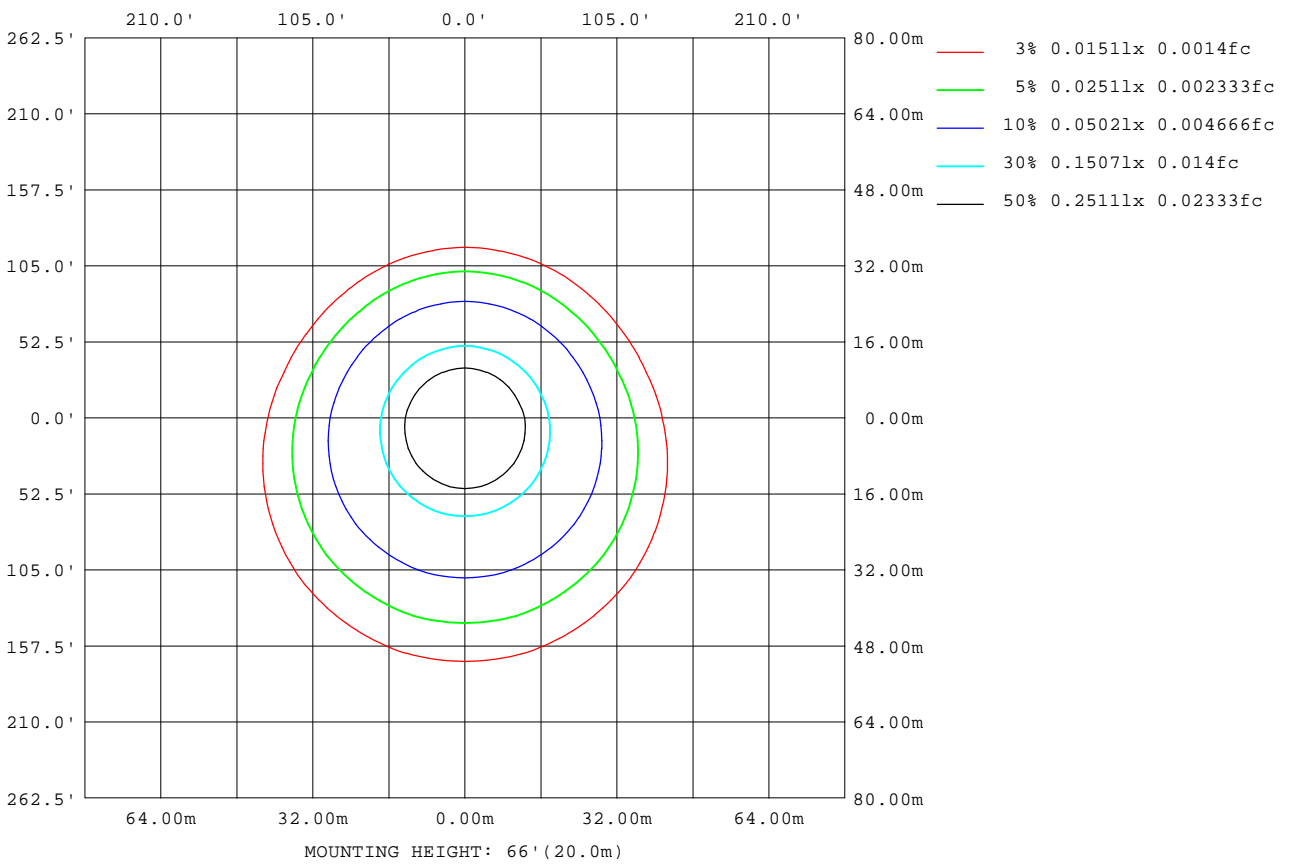
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LiuLiwen  
 Test Date: 2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 3.010m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

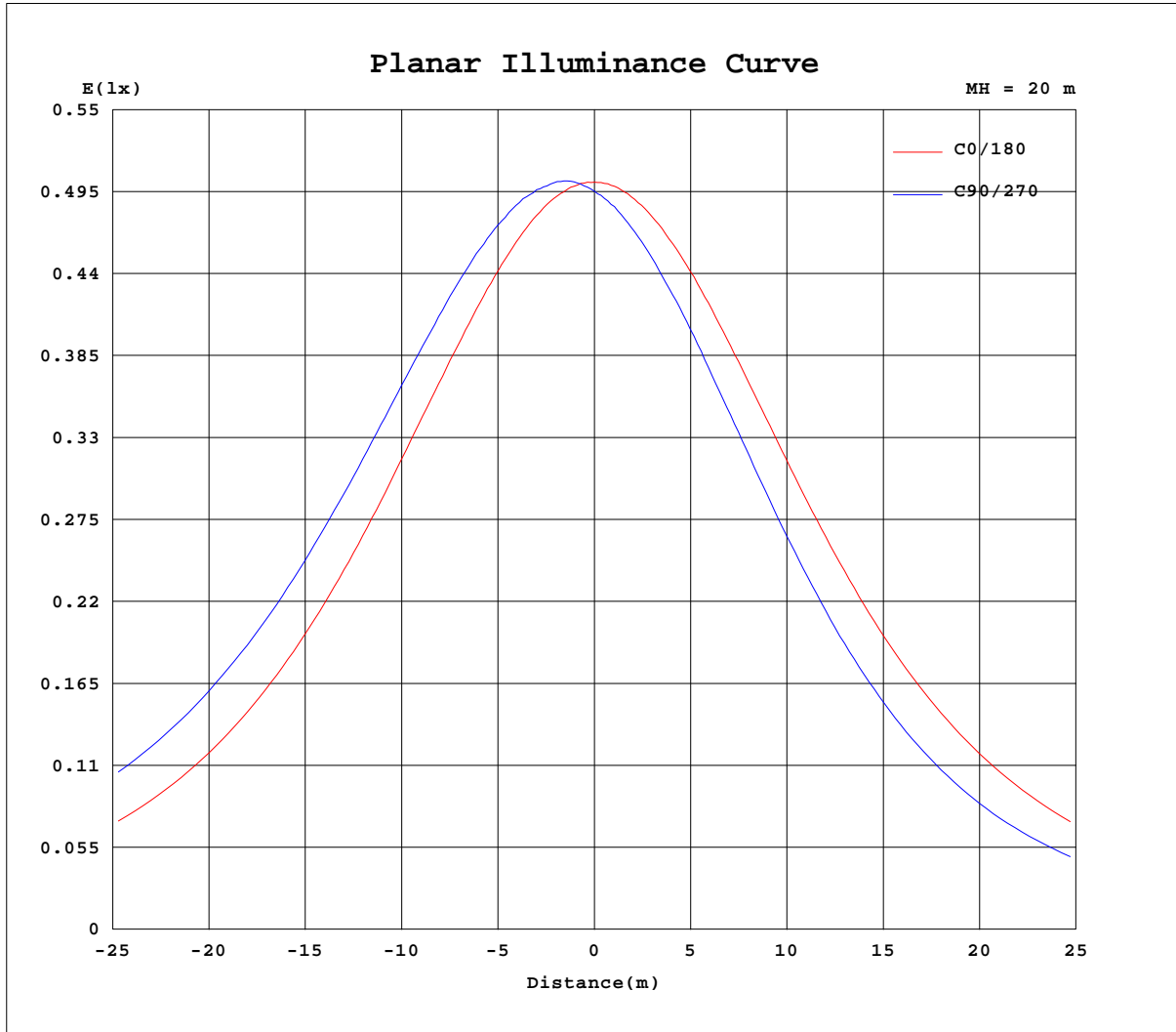
AvgL	cd/m2
L_0~180(65)av	1664
L_0~180(75)av	1379
L_0~180(85)av	715
L_90~270(65)av	2106
L_90~270(75)av	2455
L_90~270(85)av	4706
L_45(65)av	1910
L_45(75)av	2054
L_45(85)av	3363

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LiuLiwen  
Test Date:2022-12-03

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.010m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LiuLiwen  
 Test Date: 2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 3.010m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
5	198	199	200	202	203	203	204	203	203	202	201	199	198	196	195	194	193	192	192
10	195	198	201	203	205	206	206	206	205	203	201	198	195	192	189	187	186	184	184
15	191	195	199	203	205	207	208	207	205	203	199	195	190	186	182	179	177	175	175
20	185	191	196	201	204	207	208	207	204	201	196	190	184	179	174	169	166	164	164
25	177	184	191	197	201	205	206	205	201	197	191	184	177	170	163	158	155	152	152
30	168	177	185	192	197	201	202	201	197	192	184	176	168	159	152	146	142	139	139
35	158	168	176	185	191	196	197	196	190	185	176	167	157	147	139	133	128	125	125
40	146	157	167	177	184	189	190	189	183	176	167	156	145	135	126	119	114	111	110
45	133	145	156	167	175	181	182	181	174	167	156	145	132	121	111	104	99.2	95.8	96.0
50	119	132	145	156	165	171	172	171	164	156	144	132	118	106	95.9	88.4	84.4	82.2	81.8
55	104	118	132	144	153	160	161	160	153	144	131	117	103	89.7	79.8	73.1	69.8	67.9	67.8
60	87.7	103	118	131	141	148	149	148	140	131	117	102	86.9	73.2	63.8	58.2	55.8	54.5	54.3
65	70.7	86.9	103	117	127	135	136	135	127	117	102	86.7	70.0	56.3	48.2	44.1	42.6	41.7	41.8
70	53.4	70.3	86.8	102	112	120	122	121	112	102	86.8	70.1	52.6	39.6	33.7	31.1	30.5	30.1	30.3
75	36.0	53.1	70.4	86.0	97.0	106	107	106	97.0	86.1	70.5	53.1	35.3	24.2	20.9	19.8	19.8	19.7	20.0
80	19.6	36.2	53.8	70.0	82.5	90.2	91.7	90.2	82.5	70.1	54.2	36.3	19.1	11.5	10.6	10.4	10.9	11.0	11.3
85	6.43	20.8	38.3	54.5	66.8	74.8	77.1	74.9	66.7	54.7	38.6	21.2	6.04	3.29	3.55	3.83	4.34	4.67	4.93
90	0.25	9.13	24.2	39.9	52.1	60.1	62.4	60.4	52.7	40.9	25.4	9.93	0.26	0.22	0.32	0.47	0.84	1.07	1.31
95	0.25	0.27	4.19	19.0	34.7	44.2	46.8	46.6	39.2	25.7	7.82	0.25	0.19	0.27	0.37	0.47	0.55	0.60	0.62
100	0.30	0.28	0.38	0.88	2.27	3.70	8.32	3.34	2.57	0.27	0.28	0.27	0.26	0.33	0.43	0.55	0.62	0.68	0.70
105	0.35	0.32	0.37	0.38	0.35	0.30	0.28	0.28	0.29	0.28	0.29	0.30	0.29	0.36	0.46	0.58	0.66	0.73	0.75
110	0.38	0.35	0.37	0.38	0.36	0.34	0.32	0.32	0.32	0.31	0.31	0.33	0.32	0.37	0.47	0.58	0.66	0.72	0.75
115	0.40	0.37	0.39	0.39	0.37	0.36	0.35	0.34	0.34	0.34	0.33	0.36	0.33	0.39	0.47	0.57	0.66	0.71	0.74
120	0.42	0.40	0.41	0.42	0.41	0.40	0.38	0.37	0.37	0.36	0.36	0.39	0.35	0.38	0.46	0.55	0.62	0.69	0.72
125	0.43	0.41	0.43	0.45	0.43	0.42	0.41	0.40	0.38	0.38	0.38	0.39	0.34	0.39	0.46	0.53	0.57	0.64	0.67
130	0.44	0.43	0.46	0.46	0.44	0.43	0.42	0.40	0.40	0.39	0.40	0.39	0.36	0.40	0.46	0.51	0.55	0.59	0.61
135	0.44	0.44	0.46	0.47	0.44	0.44	0.45	0.42	0.40	0.41	0.42	0.40	0.36	0.39	0.45	0.49	0.50	0.54	0.59
140	0.43	0.44	0.47	0.47	0.45	0.44	0.44	0.42	0.41	0.42	0.43	0.41	0.37	0.38	0.44	0.47	0.49	0.50	0.54
145	0.42	0.44	0.47	0.47	0.46	0.46	0.45	0.44	0.43	0.43	0.43	0.39	0.35	0.37	0.41	0.43	0.47	0.49	0.53
150	0.40	0.42	0.45	0.48	0.47	0.46	0.46	0.44	0.43	0.43	0.41	0.37	0.33	0.34	0.38	0.42	0.43	0.45	0.49
155	0.38	0.41	0.45	0.47	0.47	0.46	0.46	0.44	0.44	0.42	0.40	0.36	0.32	0.31	0.36	0.37	0.42	0.43	0.44
160	0.35	0.40	0.43	0.46	0.46	0.46	0.44	0.43	0.42	0.41	0.37	0.34	0.29	0.29	0.31	0.35	0.34	0.37	0.39
165	0.32	0.38	0.41	0.44	0.45	0.44	0.42	0.42	0.41	0.38	0.35	0.32	0.26	0.27	0.28	0.31	0.33	0.34	0.36
170	0.32	0.36	0.41	0.43	0.42	0.42	0.41	0.39	0.37	0.38	0.36	0.31	0.26	0.27	0.29	0.31	0.31	0.32	0.35
175	0.31	0.35	0.40	0.42	0.43	0.45	0.43	0.40	0.39	0.39	0.37	0.32	0.28	0.30	0.32	0.34	0.34	0.34	0.37
180	0.32	0.34	0.37	0.41	0.41	0.42	0.44	0.42	0.39	0.41	0.39	0.34	0.32	0.35	0.37	0.41	0.41	0.42	0.44

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.20V I:0.0747A P:8.0752W PF:0.8992 Freq:59.98Hz Lamp Flux:715x1 lm		
NAME: ASD-UCBS-18N8CC-WH-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	199	199	199	199	199														
5	192	193	194	195	196														
10	184	186	187	189	192														
15	175	177	179	183	186														
20	164	167	170	174	179														
25	152	155	159	164	170														
30	139	142	147	153	160														
35	125	129	134	140	148														
40	111	115	119	127	136														
45	96.3	99.8	105	112	122														
50	82.5	85.0	89.3	96.8	107														
55	68.5	70.5	74.1	80.9	90.9														
60	54.9	56.5	59.3	64.9	74.2														
65	42.2	43.3	45.2	49.4	57.5														
70	30.6	31.2	32.2	34.9	40.8														
75	20.0	20.4	20.7	22.0	25.4														
80	11.2	11.4	11.2	11.5	12.5														
85	4.84	4.63	4.23	4.05	3.89														
90	1.32	1.25	0.97	0.69	0.39														
95	0.60	0.54	0.46	0.36	0.27														
100	0.68	0.62	0.54	0.43	0.33														
105	0.72	0.65	0.56	0.46	0.36														
110	0.72	0.65	0.57	0.46	0.37														
115	0.70	0.64	0.55	0.46	0.38														
120	0.69	0.61	0.55	0.45	0.39														
125	0.63	0.57	0.52	0.46	0.39														
130	0.58	0.55	0.50	0.46	0.40														
135	0.55	0.50	0.48	0.45	0.41														
140	0.52	0.49	0.46	0.45	0.40														
145	0.51	0.47	0.44	0.42	0.38														
150	0.46	0.44	0.43	0.39	0.36														
155	0.44	0.42	0.39	0.38	0.35														
160	0.39	0.37	0.37	0.35	0.33														
165	0.38	0.38	0.36	0.34	0.31														
170	0.36	0.35	0.36	0.36	0.31														
175	0.39	0.37	0.37	0.36	0.33														
180	0.42	0.40	0.41	0.39	0.34														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiuLiwen  
 Test Date:2022-12-03

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks: