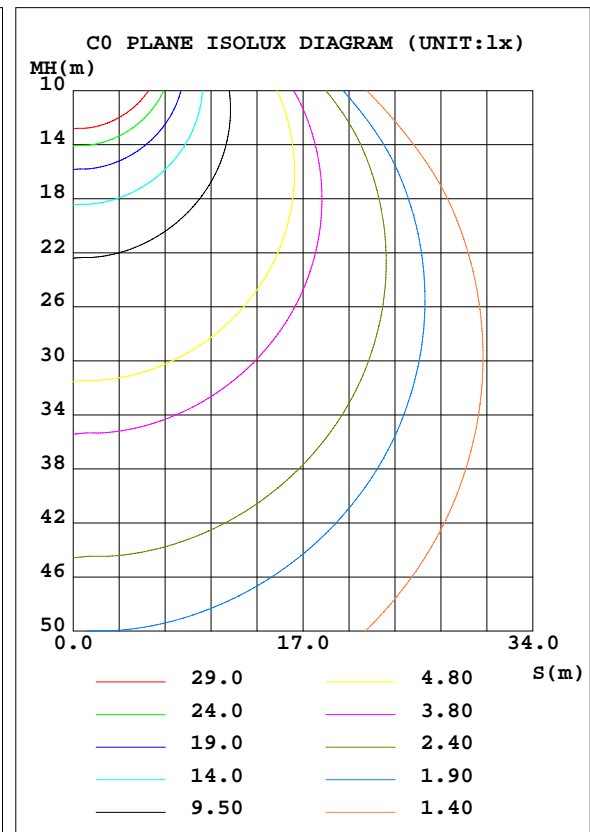
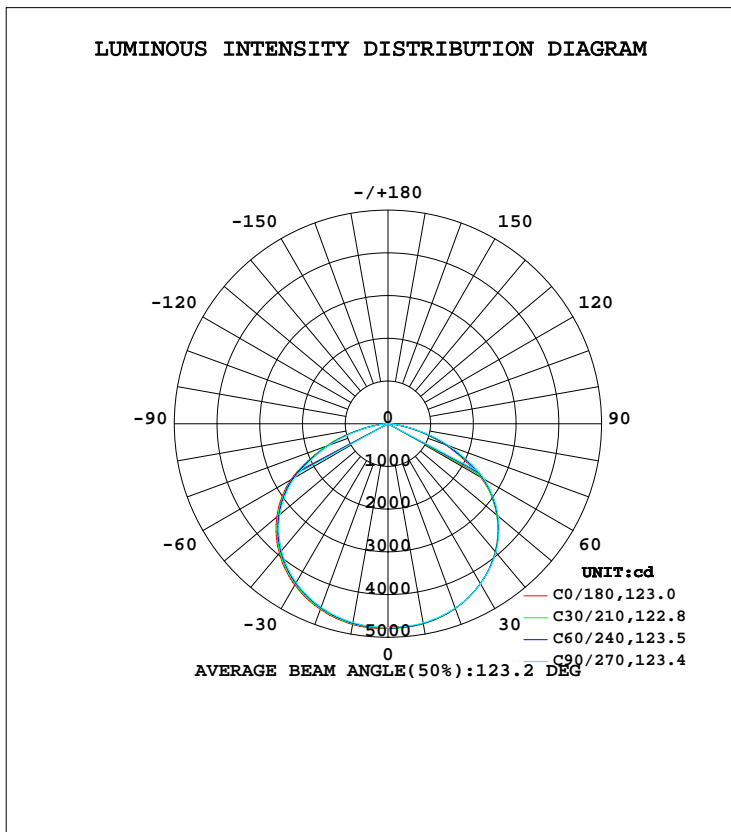


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.88 lm/W			
MODEL	ASD-UHB2-100D35-PRM	Imax(cd)	4801	S/MH(C0/180)	1.36
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	15066	η UP, DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	15065.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,49.7
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	4754	4748	4734	4721	4772	4746	4727	4714	0- 10	453.9	453.9	3.01,3.01
20	4603	4599	4593	4581	4626	4596	4571	4557	10- 20	1322	1776	11.8,11.8
30	4325	4323	4329	4320	4361	4324	4294	4279	20- 30	2061	3836	25.5,25.5
40	3905	3913	3929	3925	3958	3917	3878	3864	30- 40	2585	6421	42.6,42.6
50	3323	3341	3365	3368	3399	3351	3301	3286	40- 50	2810	9232	61.3,61.3
60	2497	2554	2600	2616	2628	2582	2514	2442	50- 60	2658	11890	78.9,78.9
70	1412	1466	1534	1551	1537	1512	1451	1410	60- 70	1991	13880	92.1,92.1
80	391.8	424.7	481.7	503.6	490.4	460.3	414.7	395.1	70- 80	997.5	14878	98.8,98.8
90	10.47	12.27	15.16	16.68	21.10	17.02	10.82	9.784	80- 90	171.2	15049	99.9,99.9
100	0.8738	0.8601	0.8298	0.8067	1.530	1.565	1.615	1.627	90-100	3.080	15052	99.9,99.9
110	1.257	1.243	1.236	1.219	1.958	1.977	2.004	2.050	100-110	1.514	15054	99.9,99.9
120	1.847	1.717	1.785	1.792	2.335	2.350	2.433	2.385	110-120	1.810	15056	99.9,99.9
130	2.491	2.335	2.322	2.382	3.242	3.330	3.378	3.158	120-130	2.172	15058	99.9,99.9
140	2.972	2.835	2.802	2.876	3.822	4.124	4.101	3.836	130-140	2.445	15060	100,100
150	3.191	3.047	3.169	3.131	4.234	4.475	4.453	4.198	140-150	2.248	15063	100,100
160	3.697	3.376	3.315	3.609	4.757	4.861	4.534	4.468	150-160	1.797	15064	100,100
170	4.080	3.963	3.764	3.991	4.941	5.043	4.695	4.545	160-170	1.208	15066	100,100
180	4.239	4.239	4.239	4.239	4.380	4.380	4.380	4.380	170-180	0.4216	15066	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7820.1 lm

%lum = 51.9%

%lamp = 51.9%

Conical surface Flux(120deg): 11890 lm

%lum = 78.9%

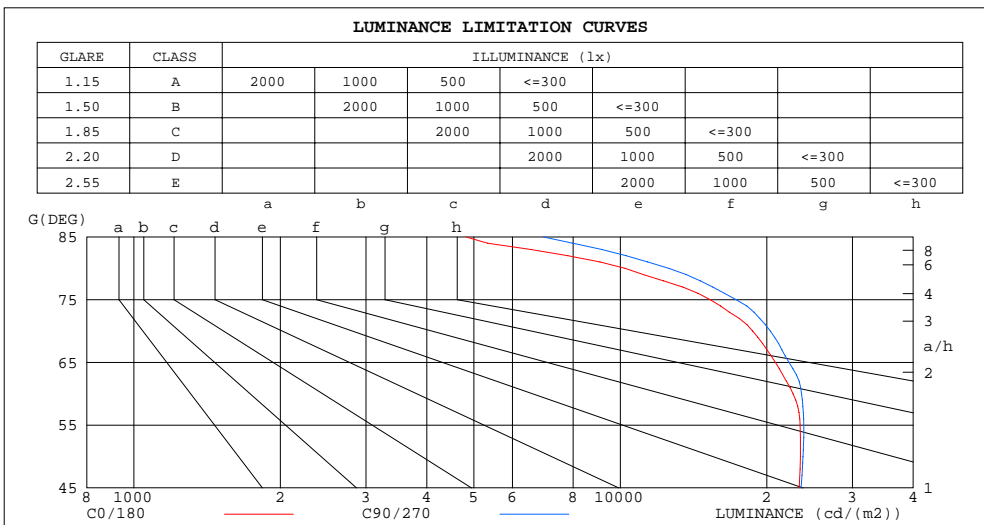
%lamp = 78.9%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4822	6952
80	10231	12580
75	15304	17312
70	18719	20336
65	20837	22221
60	22652	23582
55	23414	23822
50	23447	23744
45	23324	23532

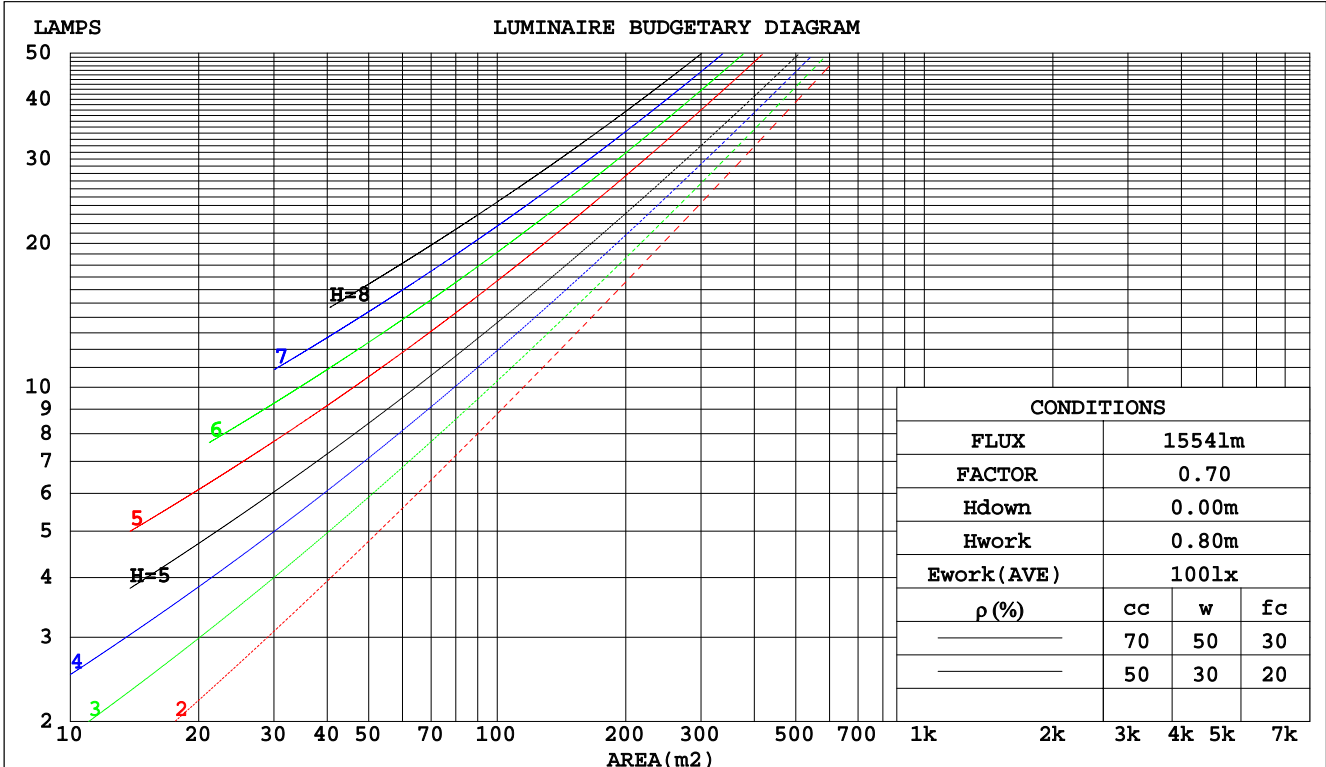
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

WEC AND CCEC

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

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	.305	.174	.055	.298	.170	.054	.285	.163	.052	.273	.157	.050	.261	.151	.049	
2.0	.292	.160	.049	.285	.157	.048	.273	.152	.047	.263	.147	.046	.253	.143	.045	
3.0	.271	.144	.043	.266	.142	.043	.256	.138	.042	.246	.135	.041	.237	.131	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.233	.119	.034	.228	.117	.034	.220	.115	.034	.212	.112	.033	.205	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.191	.101	.030	
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.092	.048	.130	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.040	.124	.072	.035	.085	.050	.024	.050	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.118	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.131	.071	.029	.112	.061	.026	.078	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.125	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.119	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-UHB2-100D35-PRM					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp					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	23.4	25.1	23.8	25.4	25.7	23.6	25.3	24.0	25.6	25.9
3H	25.0	26.5	25.4	26.9	27.2	25.3	26.8	25.7	27.1	27.5
4H	25.5	26.9	25.9	27.3	27.6	25.9	27.3	26.3	27.6	28.0
6H	25.7	27.0	26.1	27.4	27.8	26.2	27.5	26.6	27.9	28.3
8H	25.8	27.0	26.2	27.4	27.8	26.3	27.5	26.7	27.9	28.3
12H	25.8	27.0	26.2	27.3	27.8	26.3	27.5	26.7	27.8	28.3
4H 2H	24.0	25.5	24.4	25.8	26.2	24.2	25.6	24.6	26.0	26.4
3H	25.8	27.0	26.2	27.4	27.8	26.1	27.3	26.6	27.7	28.1
4H	26.4	27.5	26.8	27.9	28.3	26.8	27.9	27.3	28.3	28.7
6H	26.7	27.6	27.2	28.1	28.5	27.2	28.2	27.7	28.6	29.1
8H	26.8	27.6	27.2	28.1	28.5	27.3	28.2	27.8	28.6	29.1
12H	26.8	27.5	27.2	28.0	28.5	27.3	28.1	27.8	28.6	29.1
8H 4H	26.6	27.5	27.1	27.9	28.4	27.1	28.0	27.5	28.4	28.9
6H	27.0	27.7	27.5	28.2	28.7	27.6	28.3	28.1	28.8	29.3
8H	27.1	27.7	27.6	28.2	28.7	27.7	28.3	28.2	28.8	29.3
12H	27.1	27.7	27.6	28.2	28.7	27.7	28.3	28.3	28.8	29.4
12H 4H	26.6	27.4	27.1	27.9	28.4	27.1	27.9	27.6	28.4	28.8
6H	27.0	27.7	27.5	28.1	28.7	27.6	28.2	28.1	28.7	29.2
8H	27.1	27.7	27.6	28.2	28.7	27.7	28.3	28.2	28.8	29.4
CIE190: 2010										

CIE190: 2010  
 Area: 0.220507 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Temperature: 25.2DEG	Humidity: 48.3%
Operators:Alan Wang	Test Distance:2.500m [K=1.0459]
Test Date:23 January 2021	Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

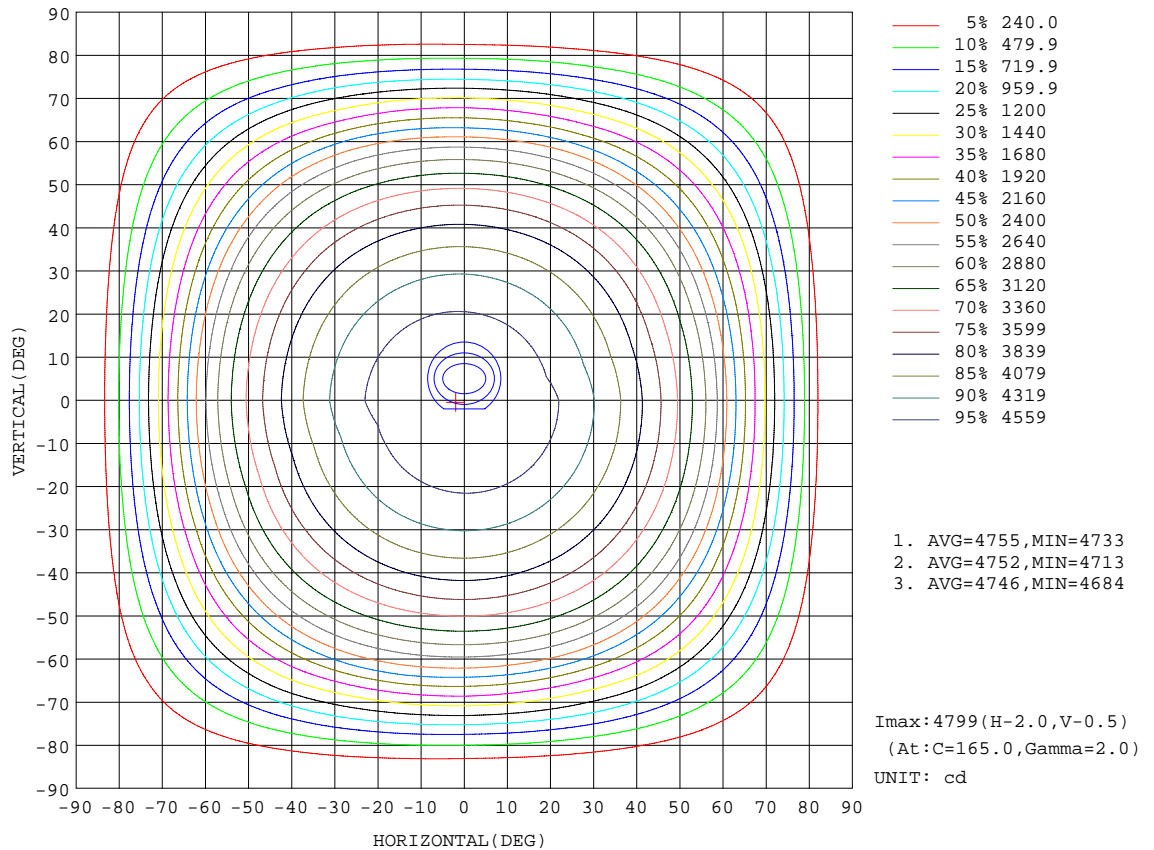
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	44	37	30
0.80	66	55	47	65	54	47	64	53	46	39
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	72	65	81	71	64	78	70	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



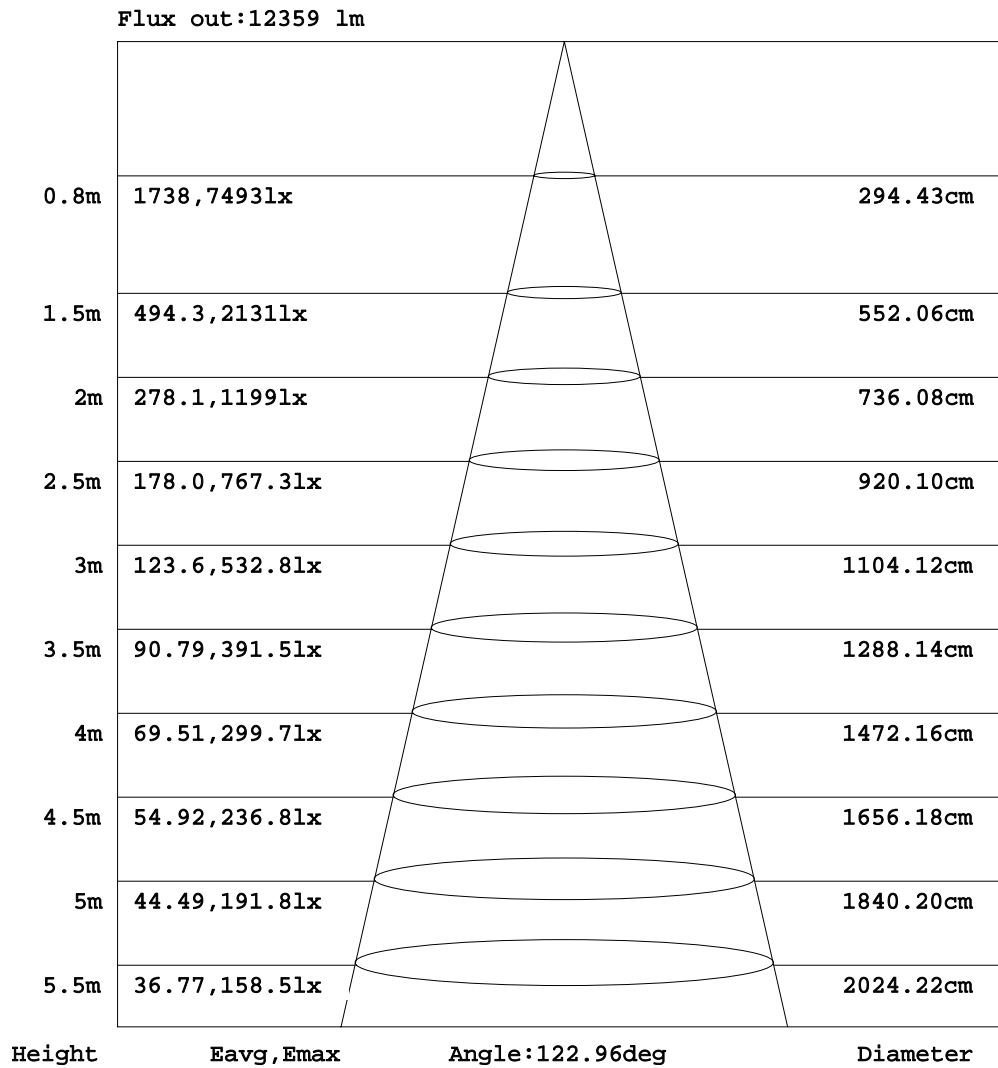
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:



AAI Figure

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



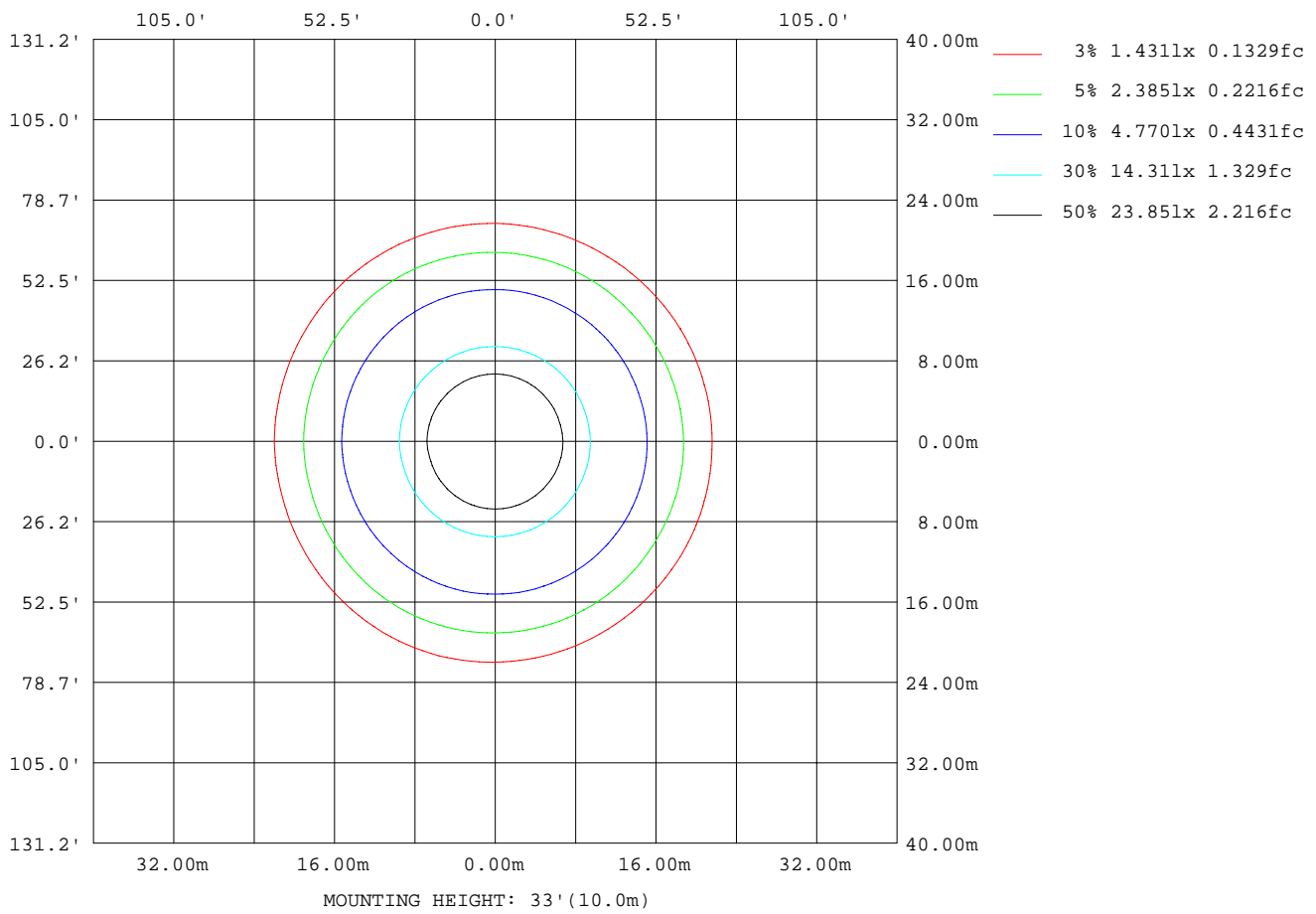
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

## LED Avg.L Report

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

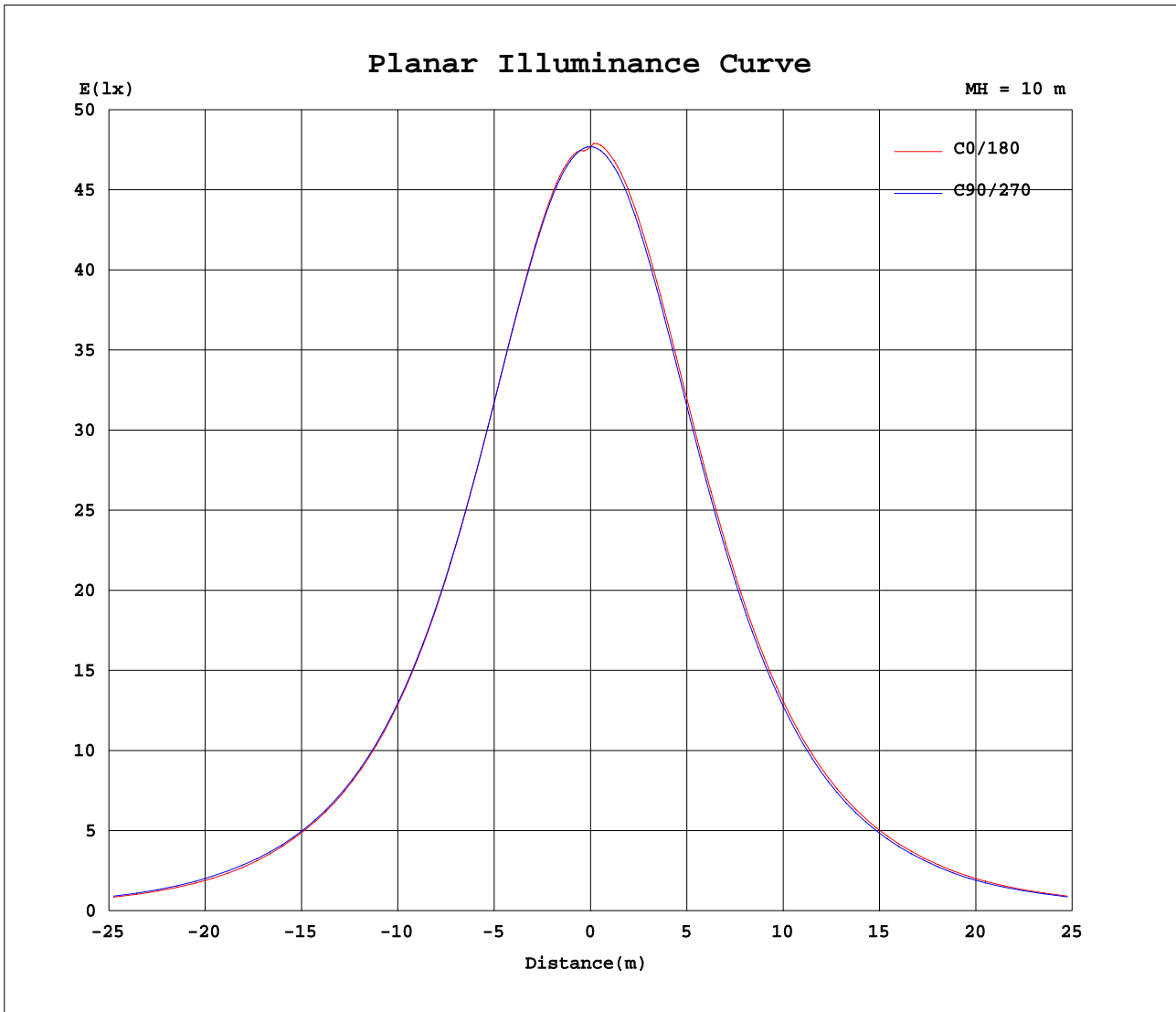
AvgL	cd/m2
L_0~180(65)av	21532
L_0~180(75)av	16370
L_0~180(85)av	5928
L_90~270(65)av	21674
L_90~270(75)av	16483
L_90~270(85)av	6179
L_45(65)av	21523
L_45(75)av	16386
L_45(85)av	5888

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Alan Wang  
Test Date: 23 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 48.3%  
Test Distance: 2.500m [K=1.0459]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding 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	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770	4770
5	4774	4792	4785	4778	4773	4767	4761	4756	4750	4746	4742	4763	4794	4787	4780	4774	4768	4763	4758
10	4754	4760	4754	4748	4743	4738	4734	4729	4725	4721	4716	4725	4772	4763	4754	4746	4739	4732	4727
15	4694	4696	4692	4688	4685	4681	4678	4673	4670	4666	4661	4665	4714	4703	4694	4685	4677	4669	4663
20	4603	4604	4600	4599	4596	4595	4593	4589	4586	4581	4576	4577	4626	4615	4606	4596	4587	4578	4571
25	4480	4481	4478	4477	4477	4477	4476	4474	4471	4466	4461	4460	4510	4498	4487	4476	4466	4456	4449
30	4325	4326	4324	4323	4325	4328	4329	4327	4325	4320	4314	4311	4361	4348	4337	4324	4312	4303	4294
35	4135	4137	4137	4136	4140	4145	4147	4147	4145	4140	4134	4131	4179	4165	4152	4139	4126	4114	4104
40	3905	3911	3911	3913	3917	3924	3929	3929	3927	3925	3918	3913	3958	3943	3931	3917	3902	3889	3878
45	3637	3643	3645	3650	3657	3665	3669	3671	3671	3668	3663	3657	3700	3684	3670	3656	3640	3624	3612
50	3323	3329	3333	3341	3350	3360	3365	3368	3370	3368	3364	3356	3399	3380	3363	3351	3333	3316	3301
55	2961	2968	2973	2985	2998	3007	3013	3019	3023	3020	3015	3011	3047	3028	3009	2998	2981	2959	2942
60	2497	2514	2525	2554	2579	2590	2600	2615	2621	2616	2604	2594	2628	2603	2590	2582	2570	2540	2514
65	1942	1957	1976	1988	2018	2047	2071	2106	2104	2082	2057	2044	2071	2052	2040	2036	2018	1994	1969
70	1412	1434	1448	1466	1467	1500	1534	1539	1533	1551	1536	1512	1537	1538	1533	1512	1472	1466	1451
75	873	879	889	916	944	969	988	1007	1017	1010	994	977	995	984	970	951	942	917	893
80	392	397	403	425	446	469	482	499	505	504	491	484	490	478	467	460	451	433	415
85	92.7	95.7	96.3	102	115	126	134	141	145	143	139	131	135	131	126	119	115	110	104
90	10.5	11.1	11.6	12.3	13.2	14.2	15.2	16.0	16.7	16.7	16.5	16.0	21.1	19.9	18.7	17.0	15.5	15.7	10.8
95	0.68	0.67	0.67	0.66	0.66	0.65	0.64	0.63	0.63	0.62	0.62	0.63	1.21	1.21	1.23	1.24	1.26	1.27	1.29
100	0.87	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.81	1.53	1.54	1.55	1.57	1.58	1.60	1.62
105	1.06	1.05	1.04	1.04	1.04	1.04	1.04	1.02	1.01	1.01	1.00	0.98	1.81	1.81	1.83	1.84	1.86	1.87	1.88
110	1.26	1.24	1.22	1.24	1.25	1.23	1.24	1.24	1.23	1.22	1.20	1.18	1.96	1.94	1.95	1.98	2.00	2.01	2.00
115	1.51	1.49	1.44	1.48	1.47	1.48	1.49	1.53	1.50	1.49	1.46	1.44	2.13	2.09	2.08	2.12	2.15	2.14	2.19
120	1.85	1.80	1.72	1.72	1.77	1.77	1.79	1.82	1.82	1.79	1.76	1.76	2.34	2.31	2.32	2.35	2.37	2.37	2.43
125	2.18	2.07	2.00	2.01	2.04	2.04	2.07	2.06	2.10	2.08	2.05	2.06	2.77	2.76	2.74	2.78	2.78	2.78	2.84
130	2.49	2.40	2.32	2.33	2.38	2.30	2.32	2.32	2.39	2.38	2.39	2.38	3.24	3.27	3.27	3.33	3.32	3.35	3.38
135	2.78	2.73	2.62	2.58	2.70	2.63	2.65	2.68	2.68	2.62	2.70	2.66	3.64	3.72	3.77	3.80	3.80	3.91	3.86
140	2.97	2.96	2.85	2.84	2.85	2.77	2.80	2.83	2.85	2.88	2.84	2.91	3.82	3.93	4.01	4.12	4.10	4.19	4.10
145	3.09	3.12	2.98	2.95	3.01	3.04	3.01	3.03	3.03	2.98	2.91	3.01	4.04	4.15	4.21	4.34	4.33	4.38	4.31
150	3.19	3.23	3.14	3.05	3.10	3.17	3.17	3.19	3.17	3.13	3.07	3.10	4.23	4.32	4.35	4.47	4.50	4.55	4.45
155	3.44	3.48	3.46	3.17	3.19	3.19	3.21	3.29	3.31	3.32	3.36	3.29	4.45	4.47	4.58	4.62	4.61	4.63	4.41
160	3.70	3.71	3.64	3.38	3.31	3.34	3.32	3.47	3.51	3.61	3.65	3.60	4.76	4.74	4.78	4.86	4.79	4.74	4.53
165	3.83	3.89	3.86	3.73	3.61	3.57	3.52	3.75	3.88	3.95	3.88	3.84	4.90	4.91	4.98	5.07	5.09	4.99	4.76
170	4.08	4.11	4.09	3.96	3.76	3.77	3.76	3.90	4.00	3.99	3.97	4.00	4.94	4.93	5.00	5.04	5.04	4.94	4.69
175	4.40	4.41	4.38	4.27	4.11	4.03	3.95	4.04	4.16	4.22	4.24	4.30	4.87	4.86	4.91	4.96	4.91	4.81	4.65
180	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.38	4.38	4.38	4.38	4.38	4.38	4.38

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.8403A P:100.52W PF:0.9960 Freq:60.01Hz Lamp Flux:15065.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-100D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	4770	4770	4770	4770	4770														
5	4752	4748	4744	4741	4741														
10	4721	4718	4714	4711	4711														
15	4657	4653	4649	4647	4646														
20	4564	4560	4557	4554	4554														
25	4441	4436	4434	4433	4433														
30	4285	4281	4279	4279	4279														
35	4096	4091	4089	4089	4091														
40	3869	3865	3864	3863	3864														
45	3602	3599	3597	3597	3597														
50	3292	3287	3286	3286	3287														
55	2931	2924	2922	2922	2926														
60	2491	2470	2442	2434	2455														
65	1937	1915	1918	1927	1930														
70	1423	1399	1410	1413	1425														
75	878	870	864	867	867														
80	412	399	395	386	394														
85	97.1	91.5	88.4	88.2	87.0														
90	10.2	9.77	9.78	10.2	10.7														
95	1.30	1.31	1.30	1.29	1.27														
100	1.62	1.63	1.63	1.62	1.60														
105	1.88	1.91	1.90	1.89	1.88														
110	2.04	2.05	2.05	2.04	2.02														
115	2.19	2.19	2.18	2.19	2.17														
120	2.42	2.40	2.38	2.39	2.38														
125	2.80	2.77	2.76	2.74	2.75														
130	3.31	3.26	3.16	3.12	3.18														
135	3.81	3.68	3.53	3.56	3.60														
140	3.97	3.82	3.84	3.84	3.80														
145	4.15	4.11	4.00	4.01	4.04														
150	4.32	4.20	4.20	4.14	4.18														
155	4.34	4.32	4.28	4.44	4.40														
160	4.42	4.47	4.47	4.63	4.56														
165	4.58	4.63	4.73	4.79	4.70														
170	4.63	4.60	4.54	4.75	4.70														
175	4.54	4.54	4.51	4.67	4.59														
180	4.38	4.38	4.38	4.38	4.38														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Alan Wang  
 Test Date: 23 January 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 48.3%  
 Test Distance: 2.500m [K=1.0459]  
 Remarks: