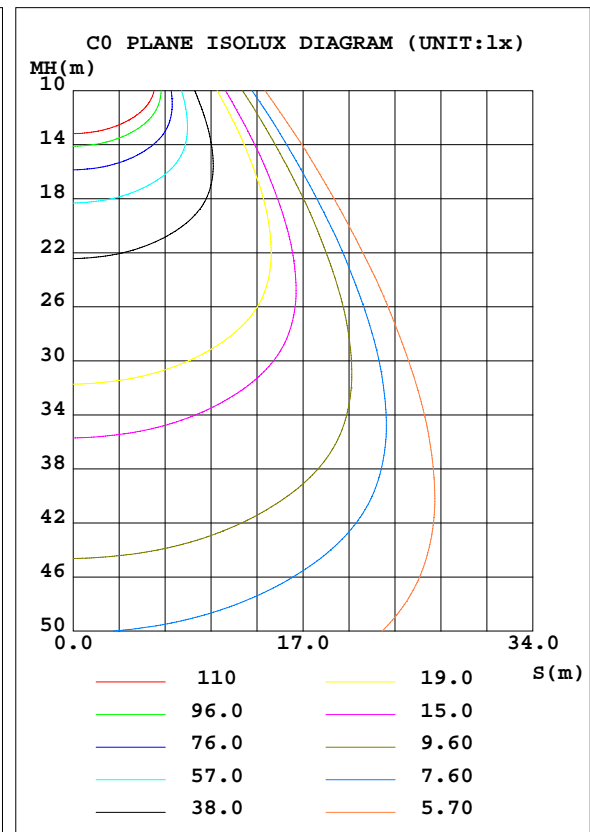
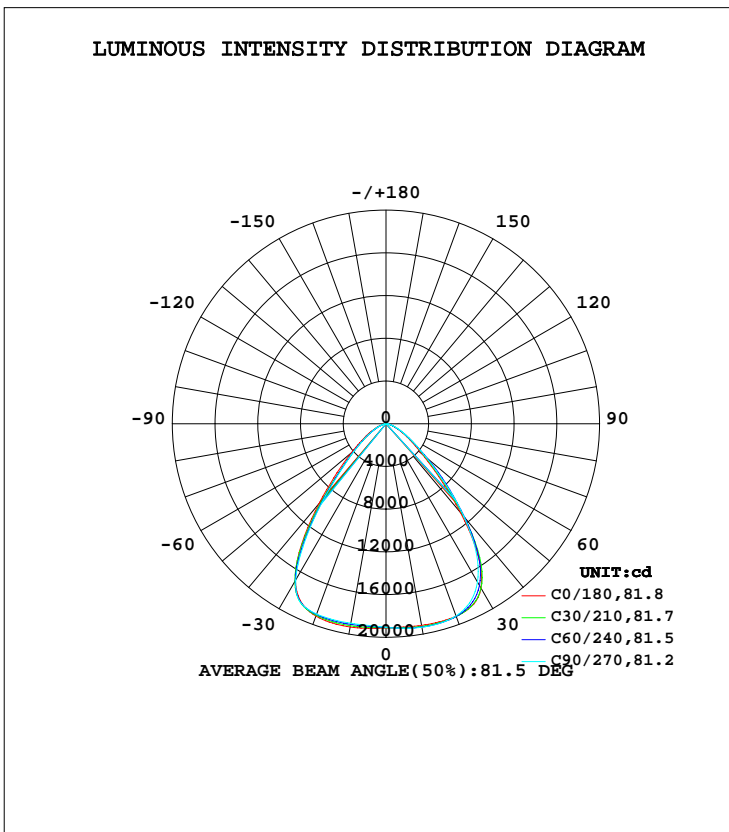


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.22 lm/W			
UHB3-240DAC-BK-3000K	UHB3-240DM-3050NL5J	I _{max} (cd)	19367	S/MH(C0/180)	1.16
NOMINAL POWER(W)	240	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	34800	η UP, DN(C0-180)	0.0,51.9
NOMINAL FLUX(lm)	34800	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,47.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1917	1930	1934	1930	1932	1914	1897	1894	0- 10	1826	1826	5.33,5.33
20	1917	1922	1915	1906	1917	1906	1897	1899	10- 20	5434	7260	21.2,21.2
30	1778	1767	1713	1672	1697	1704	1691	1726	20- 30	8517	15778	46.1,46.1
40	1084	1148	1136	1071	975.9	904.1	881.4	965.1	30- 40	8696	24474	71.4,71.4
50	446.0	488.7	491.5	476.5	421.8	376.4	372.0	406.0	40- 50	5293	29767	86.9,86.9
60	198.5	215.4	219.4	212.7	190.6	161.7	165.7	179.6	50- 60	2655	32422	94.6,94.6
70	77.55	86.63	93.40	89.81	74.21	60.60	59.90	66.37	60- 70	1261	33683	98.3,98.3
80	18.57	23.71	26.29	22.87	17.58	12.85	11.86	14.18	70- 80	450.2	34133	99.6,99.6
90	0.8969	1.521	1.948	1.286	0.7529	0.5560	0.6089	0.7318	80- 90	82.33	34216	99.9,99.9
100	0.0606	0.0549	0.0556	0.0590	0.1317	0.1433	0.1483	0.1416	90-100	3.744	34219	99.9,99.9
110	0.1044	0.0955	0.0979	0.1069	0.2151	0.2346	0.2436	0.2302	100-110	1.381	34221	99.9,99.9
120	0.2250	0.2130	0.2225	0.2395	0.4591	0.4923	0.4952	0.4665	110-120	2.375	34223	99.9,99.9
130	0.4549	0.4376	0.4523	0.4676	0.9040	0.9936	1.005	0.9244	120-130	4.618	34228	99.9,99.9
140	0.7587	0.7643	0.7589	0.7738	1.293	1.446	1.472	1.380	130-140	6.917	34235	99.9,99.9
150	1.013	1.071	1.072	1.045	1.625	1.735	1.804	1.723	140-150	7.710	34242	100,100
160	1.405	1.406	1.308	1.389	1.990	2.050	2.047	2.008	150-160	7.127	34249	100,100
170	1.655	1.713	1.613	1.617	2.137	2.184	2.128	2.080	160-170	5.126	34255	100,100
180	2.122	2.352	2.045	2.130	2.105	2.158	2.063	2.005	170-180	1.865	34256	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 27565 lm

%lum = 80.5%

%lamp = 80.5%

Conical surface Flux(120deg): 32422 lm

%lum = 94.6%

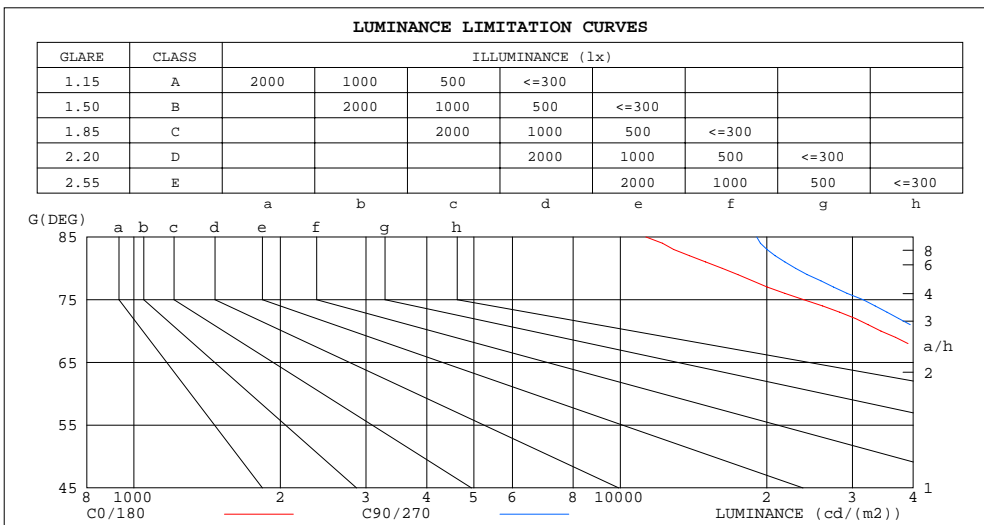
%lamp = 94.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11287	19073
80	16199	22929
75	23831	31561
70	34347	41366
65	46215	52048
60	60125	66471
55	77698	86657
50	105095	115824
45	149941	164363

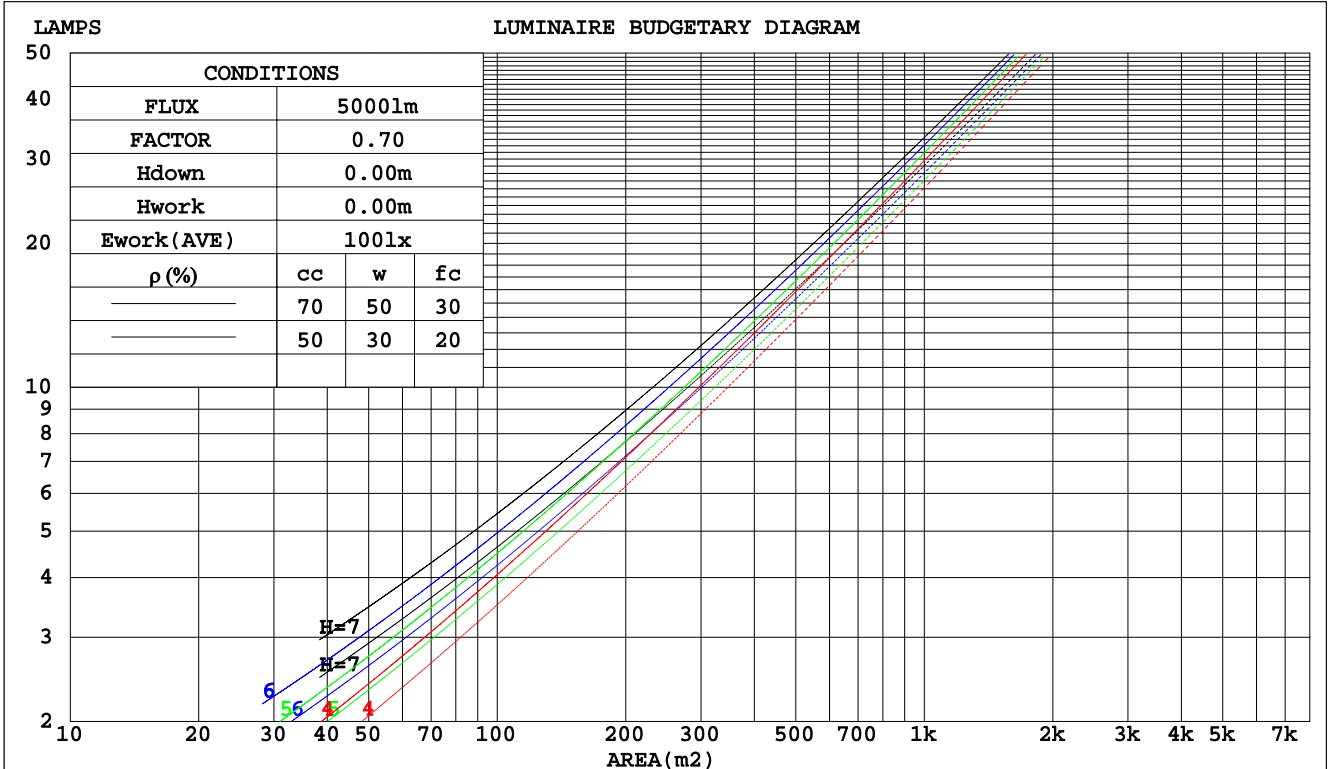
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.99	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.82	.78	.75	.80	.76	.74	.72
4.0	.81	.74	.69	.80	.74	.69	.78	.72	.68	.76	.71	.67	.74	.69	.66	.64
5.0	.74	.67	.62	.73	.67	.61	.71	.65	.61	.70	.64	.60	.68	.63	.60	.58
6.0	.68	.61	.56	.67	.60	.55	.66	.60	.55	.64	.59	.54	.63	.58	.54	.52
7.0	.63	.56	.50	.62	.55	.50	.61	.54	.50	.59	.54	.50	.58	.53	.49	.48
8.0	.58	.51	.46	.58	.51	.46	.56	.50	.46	.55	.49	.45	.54	.49	.45	.43
9.0	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.50	.45	.41	.40
10.0	.50	.43	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.37



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	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	.223	.127	.040	.216	.123	.039	.203	.117	.037	.192	.110	.035	.181	.105	.034	
2.0	.217	.119	.036	.211	.116	.036	.200	.111	.034	.189	.106	.033	.180	.102	.032	
3.0	.207	.110	.033	.201	.108	.032	.192	.104	.032	.183	.100	.031	.175	.097	.030	
4.0	.196	.102	.030	.191	.100	.030	.183	.097	.029	.175	.094	.028	.168	.091	.028	
5.0	.185	.094	.027	.181	.093	.027	.174	.091	.027	.167	.088	.026	.160	.086	.026	
6.0	.176	.088	.025	.172	.087	.025	.165	.085	.025	.159	.083	.024	.153	.081	.024	
7.0	.166	.082	.023	.163	.081	.023	.157	.080	.023	.152	.078	.023	.147	.076	.022	
8.0	.158	.077	.022	.155	.076	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021	
9.0	.150	.073	.020	.148	.072	.020	.143	.071	.020	.138	.069	.020	.134	.068	.020	
10.0	.143	.068	.019	.141	.068	.019	.136	.067	.019	.132	.066	.019	.128	.065	.019	

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	.021	.021	.021	
1.0	.175	.158	.142	.150	.135	.122	.103	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.108	.140	.115	.093	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.153	.115	.084	.131	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.145	.101	.067	.124	.087	.058	.085	.061	.041	.049	.036	.024	.016	.012	.008	
5.0	.137	.090	.055	.118	.078	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.130	.081	.046	.112	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.124	.074	.039	.107	.064	.034	.074	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.118	.068	.033	.102	.059	.029	.071	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.113	.063	.029	.098	.055	.025	.068	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.108	.059	.026	.093	.051	.022	.065	.036	.016	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm										
NAME: ASD-UHB3-240DAC-BK-3000K					TYPE: LED			WEIGHT:		
SPEC.:					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	24.6	25.9	25.0	26.2	26.5	25.0	26.3	25.4	26.6	26.9
3H	25.3	26.4	25.7	26.8	27.1	25.7	26.9	26.1	27.2	27.6
4H	25.4	26.5	25.8	26.8	27.2	25.9	27.0	26.3	27.3	27.7
6H	25.5	26.4	25.9	26.8	27.2	26.0	27.0	26.4	27.4	27.8
8H	25.4	26.4	25.9	26.7	27.2	26.0	26.9	26.5	27.3	27.7
12H	25.4	26.3	25.9	26.7	27.1	26.0	26.9	26.5	27.3	27.7
4H 2H	24.9	25.9	25.3	26.3	26.7	25.2	26.3	25.6	26.6	27.0
3H	25.7	26.6	26.1	27.0	27.4	26.1	27.0	26.6	27.4	27.8
4H	25.9	26.7	26.3	27.1	27.5	26.4	27.2	26.8	27.6	28.0
6H	26.0	26.6	26.4	27.1	27.6	26.5	27.2	27.0	27.7	28.1
8H	26.0	26.6	26.4	27.0	27.5	26.6	27.2	27.0	27.6	28.1
12H	25.9	26.5	26.4	27.0	27.4	26.6	27.1	27.1	27.6	28.1
8H 4H	25.9	26.5	26.4	27.0	27.5	26.4	27.0	26.9	27.5	27.9
6H	26.1	26.5	26.6	27.0	27.5	26.6	27.1	27.1	27.6	28.1
8H	26.1	26.5	26.6	27.0	27.5	26.6	27.1	27.2	27.6	28.1
12H	26.1	26.5	26.6	27.0	27.5	26.7	27.1	27.2	27.6	28.1
12H 4H	25.9	26.4	26.4	26.9	27.4	26.4	26.9	26.9	27.4	27.9
6H	26.0	26.5	26.6	26.9	27.5	26.6	27.0	27.1	27.5	28.0
8H	26.1	26.5	26.6	27.0	27.5	26.6	27.0	27.1	27.5	28.1
CIE190: 2010										

CIE190: 2010
 Area: 0.0660185 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

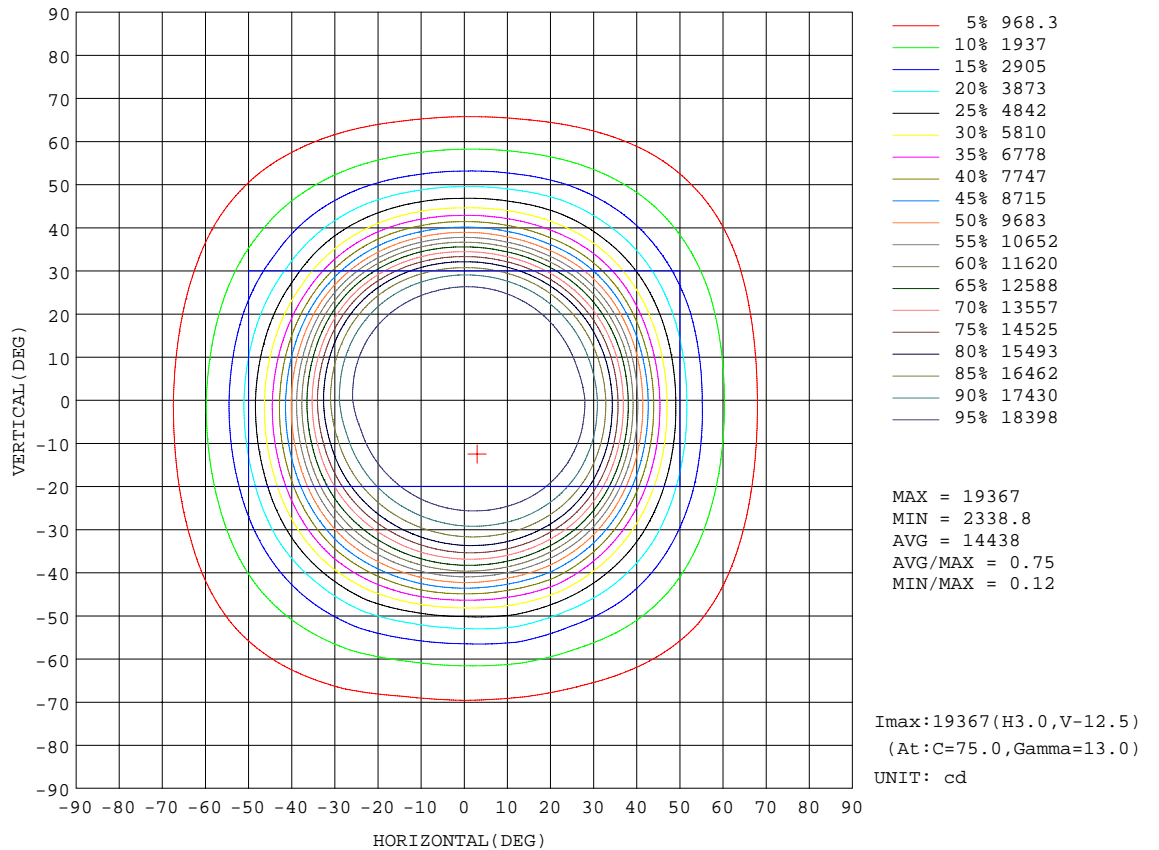
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	73	65	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	80	73	68	63
1.00	90	82	77	89	81	76	87	82	76	71
1.25	95	88	83	94	87	83	92	86	82	76
1.50	99	92	88	98	92	87	95	90	86	80
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	109	107	110	107	105	106	104	102	94
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: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

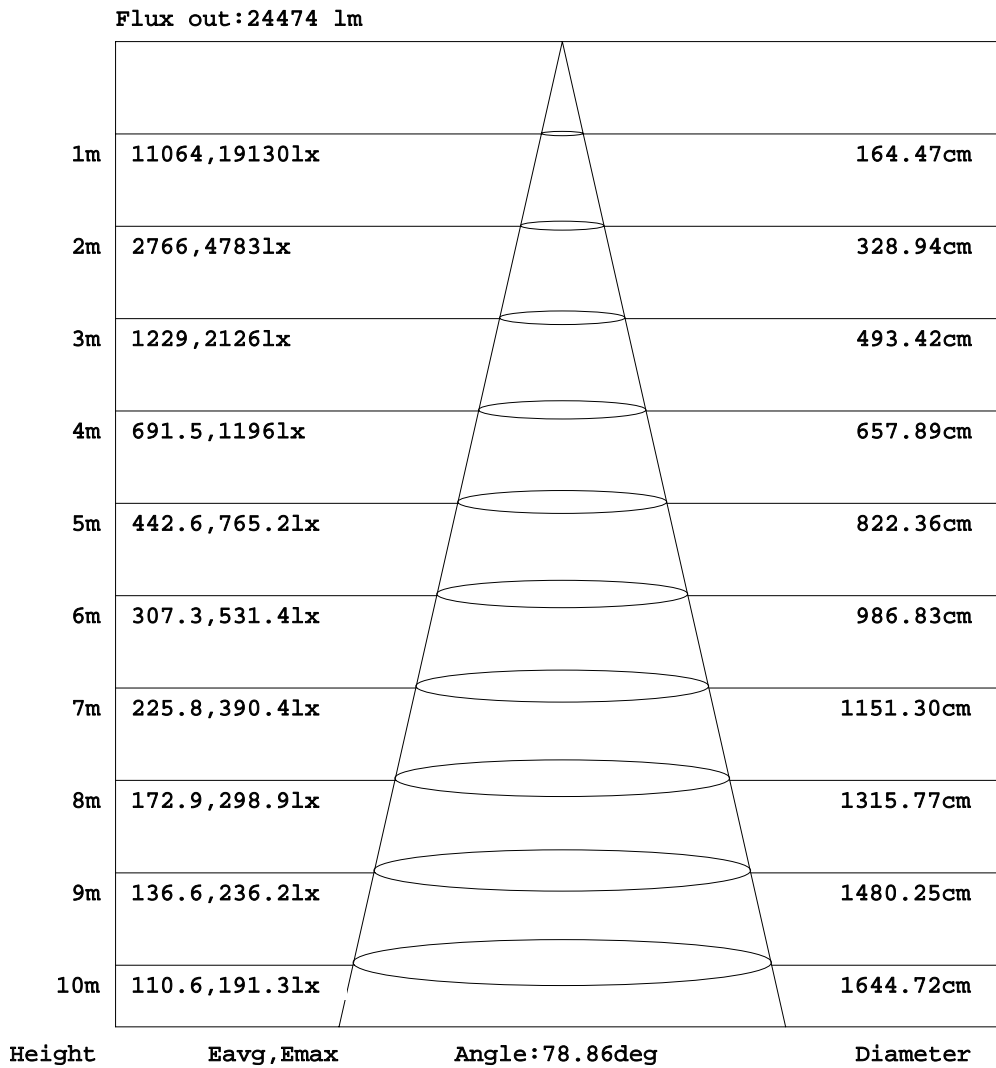


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

AAI Figure

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



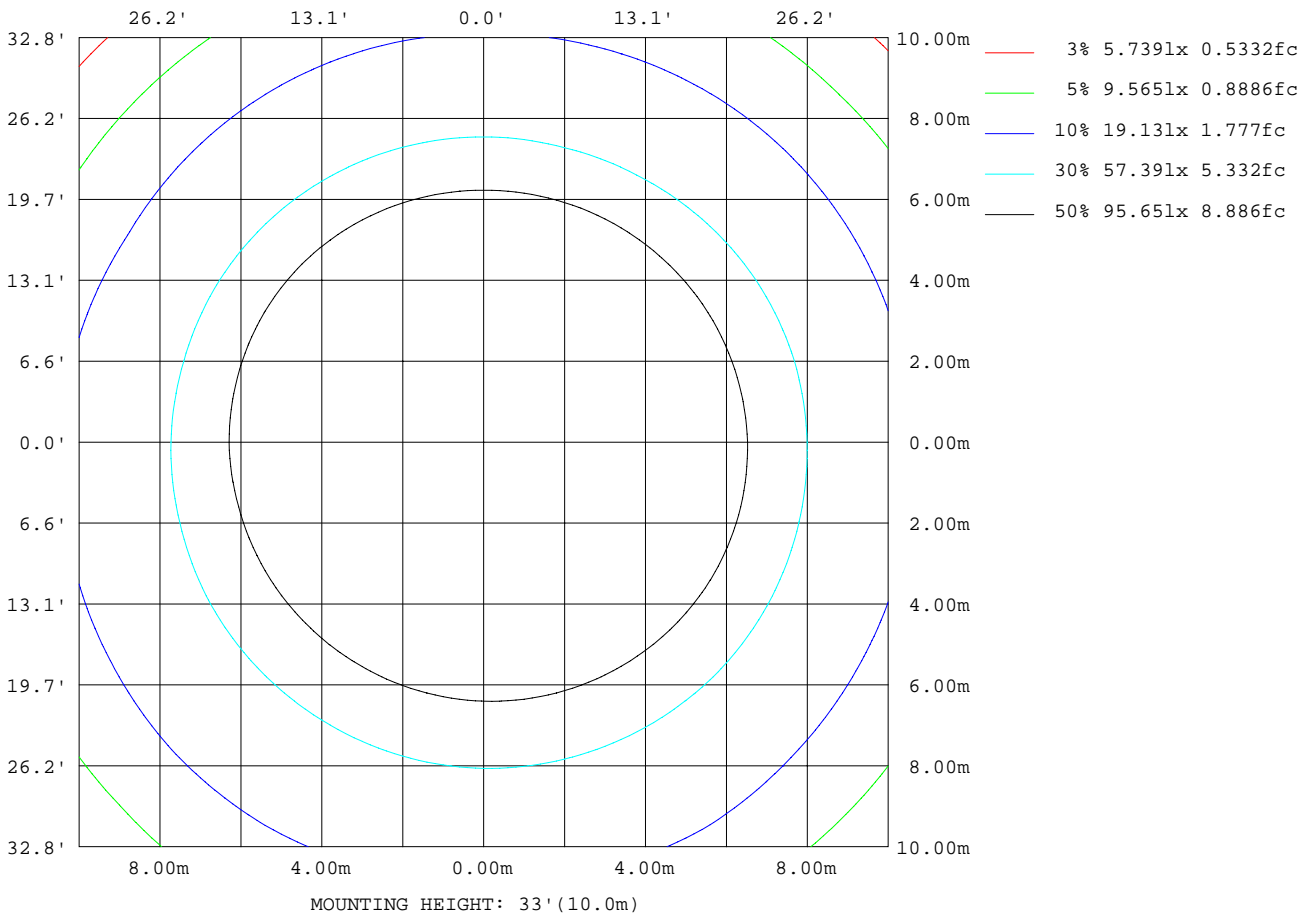
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date:25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance:2.500m [K=1.0546]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

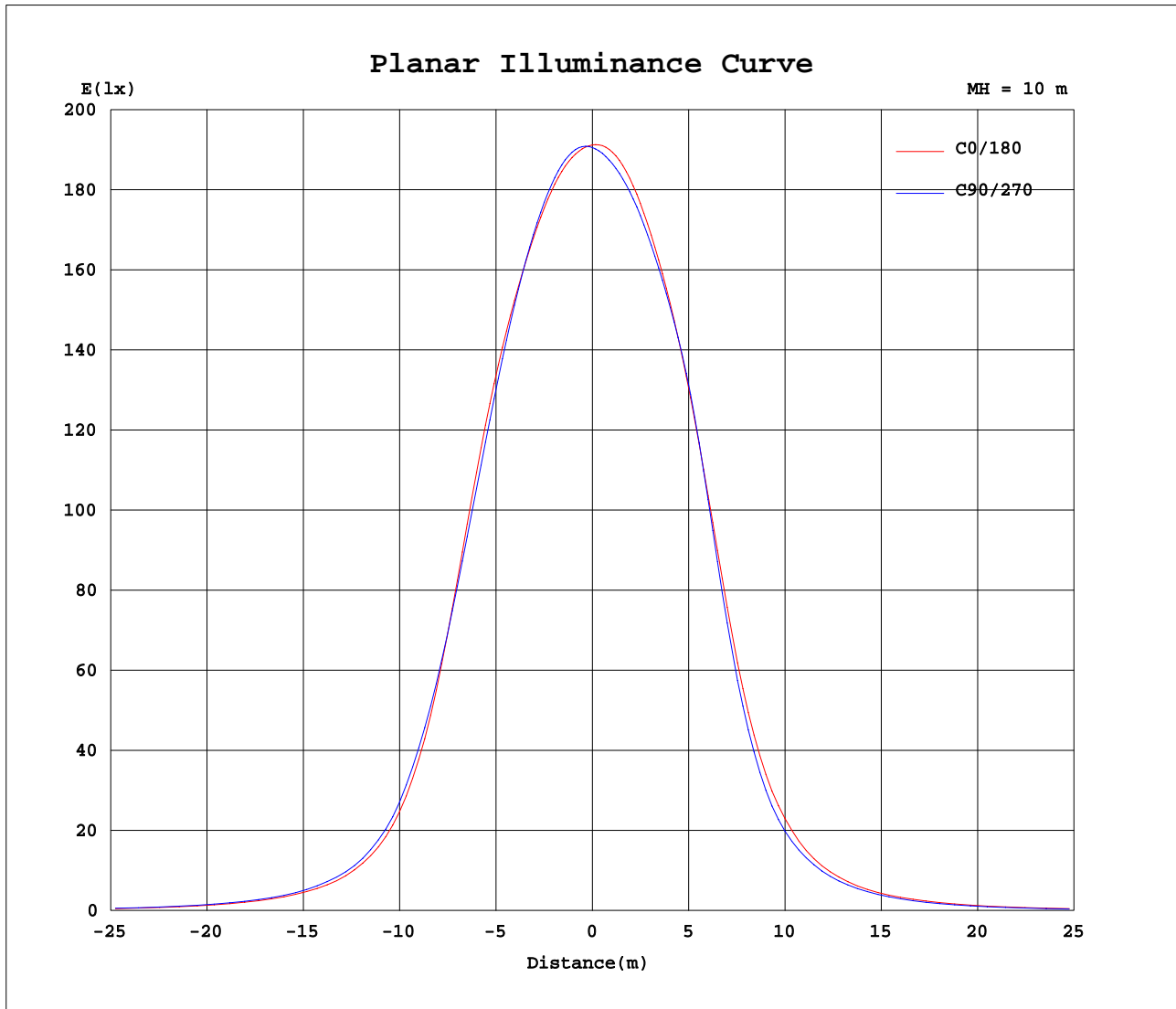
AvgL	cd/m2
L_0~180(65)av	45025
L_0~180(75)av	23127
L_0~180(85)av	10711
L_90~270(65)av	44748
L_90~270(75)av	24207
L_90~270(85)av	12074
L_45(65)av	44522
L_45(75)av	23746
L_45(85)av	11302

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 47.6%
Test Distance: 2.500m [K=1.0546]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 47.6%
Test Distance: 2.500m [K=1.0546]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1912	1911	1910	1909	1907	1906	1906	1904	1904	1903	1902	1901	1912	1911	1910	1909	1907	1906	1906
5	1911	1914	1917	1919	1921	1922	1922	1922	1921	1919	1917	1914	1923	1918	1913	1908	1903	1899	1896
10	1917	1922	1926	1930	1933	1934	1934	1933	1932	1930	1927	1924	1932	1927	1920	1914	1907	1902	1897
15	1921	1925	1929	1933	1934	1936	1935	1933	1932	1930	1927	1923	1932	1927	1921	1914	1909	1904	1900
20	1917	1920	1921	1922	1920	1918	1915	1912	1908	1906	1905	1903	1917	1914	1910	1906	1901	1898	1897
25	1889	1890	1886	1880	1872	1861	1852	1843	1836	1831	1833	1837	1859	1864	1865	1864	1861	1861	1864
30	1778	1785	1780	1767	1750	1732	1713	1695	1680	1672	1671	1673	1697	1704	1707	1704	1700	1691	1691
35	1501	1522	1532	1526	1511	1494	1474	1449	1423	1408	1394	1380	1377	1366	1361	1349	1330	1316	1306
40	1084	1110	1133	1148	1147	1141	1136	1117	1090	1071	1039	1001	976	947	927	904	893	883	881
45	700	721	746	769	795	774	767	768	754	740	704	672	650	614	581	576	572	566	561
50	446	462	478	489	505	515	492	491	501	476	456	433	422	400	376	376	379	371	372
55	294	310	319	326	327	343	328	324	328	314	300	287	279	267	249	250	251	249	250
60	198	203	211	215	215	226	219	217	221	213	205	195	191	176	164	162	164	162	166
65	129	134	138	137	138	145	145	142	149	143	136	126	122	111	106	103	104	103	104
70	77.6	81.8	86.0	86.6	87.7	91.9	93.4	91.0	94.2	89.8	84.4	77.2	74.2	67.7	62.9	60.6	60.5	59.5	59.9
75	40.7	44.4	48.3	49.6	51.3	53.0	53.9	51.3	52.4	49.6	45.2	40.8	38.3	34.5	31.8	29.8	28.7	28.3	28.8
80	18.6	20.5	22.4	23.7	24.7	25.9	26.3	25.2	24.5	22.9	21.1	18.8	17.6	15.9	14.4	12.9	12.0	11.7	11.9
85	6.49	7.70	8.86	9.73	10.4	11.0	11.0	10.6	9.76	9.10	7.88	6.82	5.83	4.75	3.78	3.45	3.02	2.88	2.92
90	0.90	1.18	1.18	1.52	1.80	1.94	1.95	1.80	1.56	1.29	0.98	0.96	0.75	0.66	0.59	0.56	0.55	0.57	0.61
95	0.18	0.18	0.24	0.35	0.39	0.42	0.43	0.43	0.41	0.36	0.13	0.06	0.16	0.14	0.12	0.12	0.13	0.14	0.15
100	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.13	0.14	0.14	0.14	0.15	0.15	0.15
105	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.17	0.18	0.18	0.19	0.19	0.19
110	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.22	0.22	0.23	0.23	0.24	0.24	0.24
115	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.29	0.30	0.31	0.33	0.33	0.33	0.33
120	0.23	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.46	0.47	0.48	0.49	0.50	0.49	0.50
125	0.33	0.32	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.68	0.69	0.70	0.73	0.74	0.74	0.73
130	0.45	0.44	0.44	0.44	0.45	0.44	0.45	0.46	0.47	0.47	0.47	0.47	0.90	0.93	0.96	0.99	1.01	1.02	1.00
135	0.60	0.60	0.60	0.59	0.61	0.60	0.61	0.62	0.62	0.61	0.62	0.64	1.11	1.15	1.19	1.24	1.27	1.28	1.27
140	0.76	0.75	0.76	0.76	0.77	0.78	0.76	0.77	0.78	0.77	0.75	0.78	1.29	1.33	1.36	1.45	1.47	1.49	1.47
145	0.88	0.89	0.91	0.91	0.94	0.94	0.92	0.93	0.93	0.92	0.89	0.87	1.44	1.47	1.53	1.60	1.66	1.67	1.65
150	1.01	1.06	1.07	1.07	1.08	1.08	1.07	1.08	1.06	1.05	1.00	1.02	1.63	1.63	1.64	1.73	1.79	1.82	1.80
155	1.19	1.27	1.30	1.24	1.25	1.26	1.22	1.24	1.24	1.22	1.25	1.19	1.78	1.76	1.85	1.85	1.91	1.95	1.93
160	1.40	1.45	1.46	1.41	1.37	1.37	1.31	1.38	1.36	1.39	1.42	1.38	1.99	1.98	1.98	2.05	2.03	2.05	2.05
165	1.52	1.59	1.60	1.59	1.54	1.51	1.48	1.53	1.55	1.56	1.54	1.53	2.07	2.08	2.09	2.13	2.16	2.14	2.12
170	1.65	1.71	1.73	1.71	1.64	1.61	1.61	1.62	1.63	1.62	1.62	1.65	2.14	2.14	2.16	2.18	2.19	2.17	2.13
175	1.89	1.96	1.95	1.95	1.88	1.85	1.79	1.83	1.83	1.84	1.85	1.89	2.15	2.15	2.20	2.19	2.16	2.16	2.11
180	2.12	2.40	2.30	2.35	2.14	2.15	2.04	2.09	2.12	2.13	2.19	2.27	2.11	2.11	2.16	2.16	2.13	2.10	2.06

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.9838A P:237.53W PF:0.9978 Freq:60.00Hz Lamp Flux:34800x1 lm		
NAME: ASD-UHB3-240DAC-BK-3000K	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1904	1904	1903	1902	1901														
5	1893	1892	1893	1894	1896														
10	1894	1893	1894	1896	1900														
15	1899	1899	1900	1902	1904														
20	1898	1898	1899	1899	1902														
25	1867	1867	1868	1870	1874														
30	1698	1711	1726	1742	1757														
35	1312	1343	1384	1433	1473														
40	885	908	965	1014	1057														
45	574	595	624	649	666														
50	380	400	406	424	435														
55	255	266	272	279	293														
60	168	176	180	187	198														
65	106	110	114	119	127														
70	60.9	63.3	66.4	69.9	76.1														
75	29.6	31.2	33.3	34.9	39.1														
80	12.2	13.2	14.2	15.5	17.4														
85	3.13	3.51	3.73	4.55	5.60														
90	0.65	0.69	0.73	0.78	0.82														
95	0.16	0.18	0.20	0.20	0.19														
100	0.15	0.15	0.14	0.14	0.13														
105	0.19	0.19	0.19	0.18	0.17														
110	0.24	0.24	0.23	0.22	0.21														
115	0.33	0.32	0.31	0.30	0.28														
120	0.49	0.48	0.47	0.45	0.44														
125	0.72	0.70	0.68	0.65	0.64														
130	0.99	0.97	0.92	0.89	0.87														
135	1.25	1.20	1.16	1.13	1.11														
140	1.43	1.40	1.38	1.33	1.29														
145	1.60	1.60	1.55	1.50	1.46														
150	1.76	1.75	1.72	1.65	1.64														
155	1.92	1.88	1.85	1.87	1.83														
160	2.01	2.02	2.01	2.04	2.02														
165	2.09	2.11	2.11	2.11	2.12														
170	2.12	2.14	2.08	2.10	2.15														
175	2.06	2.09	2.06	2.11	2.15														
180	2.01	1.96	2.00	2.01	2.05														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 25 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 47.6%
 Test Distance: 2.500m [K=1.0546]
 Remarks: