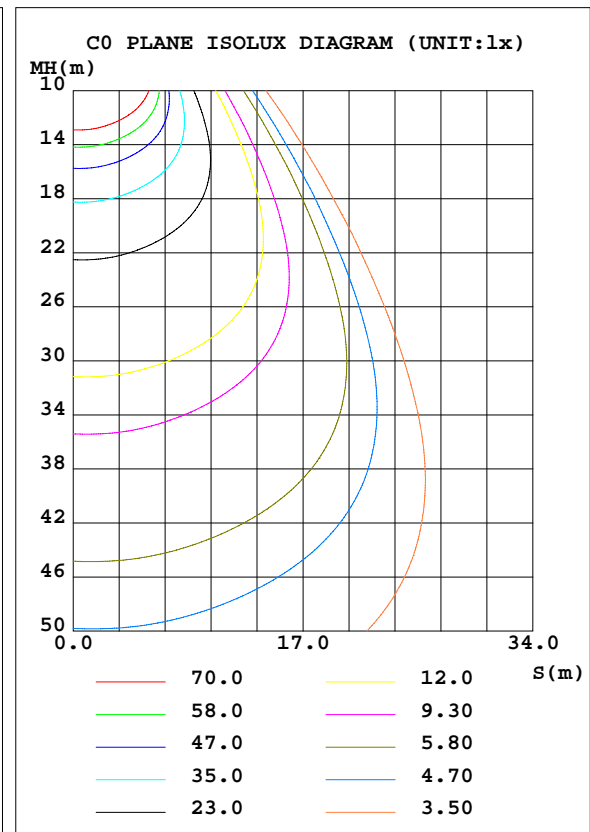
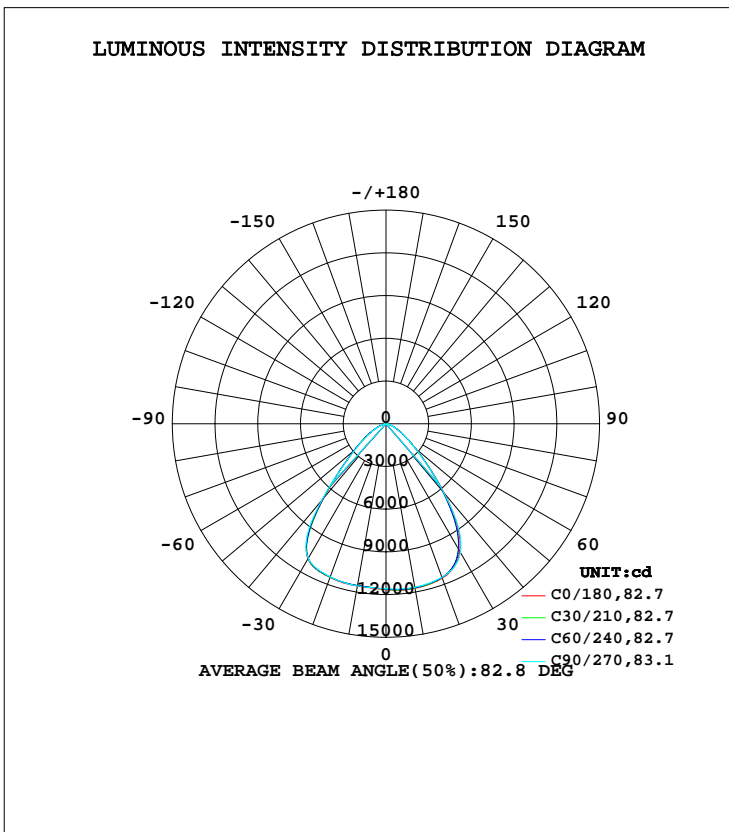


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.98 lm/W			
MODEL	ASD-UHB3-150DAC-BK	I <sub>max</sub> (cd)	11746	S/MH(C0/180)	1.20
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	21750	η UP, DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	21750	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.7
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	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: 48.6%  
 Test Distance:2.500m [K=1.0546]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1174	1171	1165	1155	1158	1153	1157	1161	0- 10	1108	1108	5.18,5.18
20	1155	1150	1148	1140	1149	1146	1144	1145	10- 20	3273	4381	20.5,20.5
30	1037	1014	1045	1070	1096	1092	1092	1073	20- 30	5159	9539	44.6,44.6
40	637.5	618.1	632.0	697.5	679.0	687.6	705.5	696.3	30- 40	5603	15143	70.8,70.8
50	274.2	278.5	270.0	272.4	295.3	290.9	283.2	274.0	40- 50	3418	18560	86.8,86.8
60	123.0	120.1	120.0	115.5	129.8	126.8	123.6	120.9	50- 60	1691	20252	94.7,94.7
70	47.58	46.43	45.46	44.06	49.05	49.14	46.90	45.93	60- 70	792.4	21044	98.4,98.4
80	10.92	10.66	9.942	9.871	10.83	11.13	10.68	10.74	70- 80	273.6	21318	99.7,99.7
90	0.7436	0.6097	0.5702	0.5751	0.7021	0.7155	0.6643	0.6349	80- 90	46.10	21364	99.9,99.9
100	0.0422	0.0421	0.0416	0.0405	0.0835	0.0820	0.0805	0.0802	90-100	2.727	21366	99.9,99.9
110	0.0728	0.0733	0.0739	0.0733	0.1335	0.1336	0.1329	0.1342	100-110	0.8569	21367	99.9,99.9
120	0.1576	0.1564	0.1658	0.1623	0.2782	0.2755	0.2824	0.2906	110-120	1.492	21369	99.9,99.9
130	0.3026	0.3040	0.3134	0.3030	0.5454	0.5677	0.5996	0.5775	120-130	2.897	21372	99.9,99.9
140	0.4954	0.5058	0.5015	0.4815	0.7847	0.8535	0.8761	0.8361	130-140	4.278	21376	99.9,99.9
150	0.6588	0.6950	0.6910	0.6434	0.9980	1.054	1.090	1.051	140-150	4.796	21381	100,100
160	0.9009	0.8942	0.8124	0.8500	1.226	1.250	1.236	1.222	150-160	4.400	21385	100,100
170	1.045	1.076	0.9972	0.9822	1.312	1.334	1.288	1.255	160-170	3.146	21388	100,100
180	1.287	1.304	1.252	1.216	1.292	1.319	1.252	1.208	170-180	1.139	21389	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 17156 lm

%lum = 80.2%

%lamp = 80.2%

Conical surface Flux(120deg): 20252 lm

%lum = 94.7%

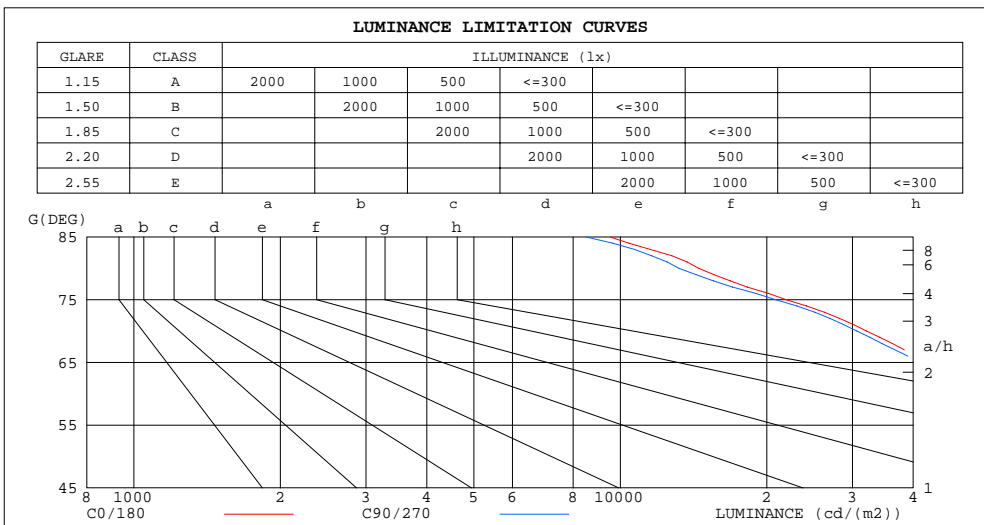
%lamp = 94.7%

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9524	8505
80	14501	13206
75	21918	20874
70	32088	30657
65	42991	41158
60	56740	55356
55	73898	72835
50	98415	96902
45	137792	134348

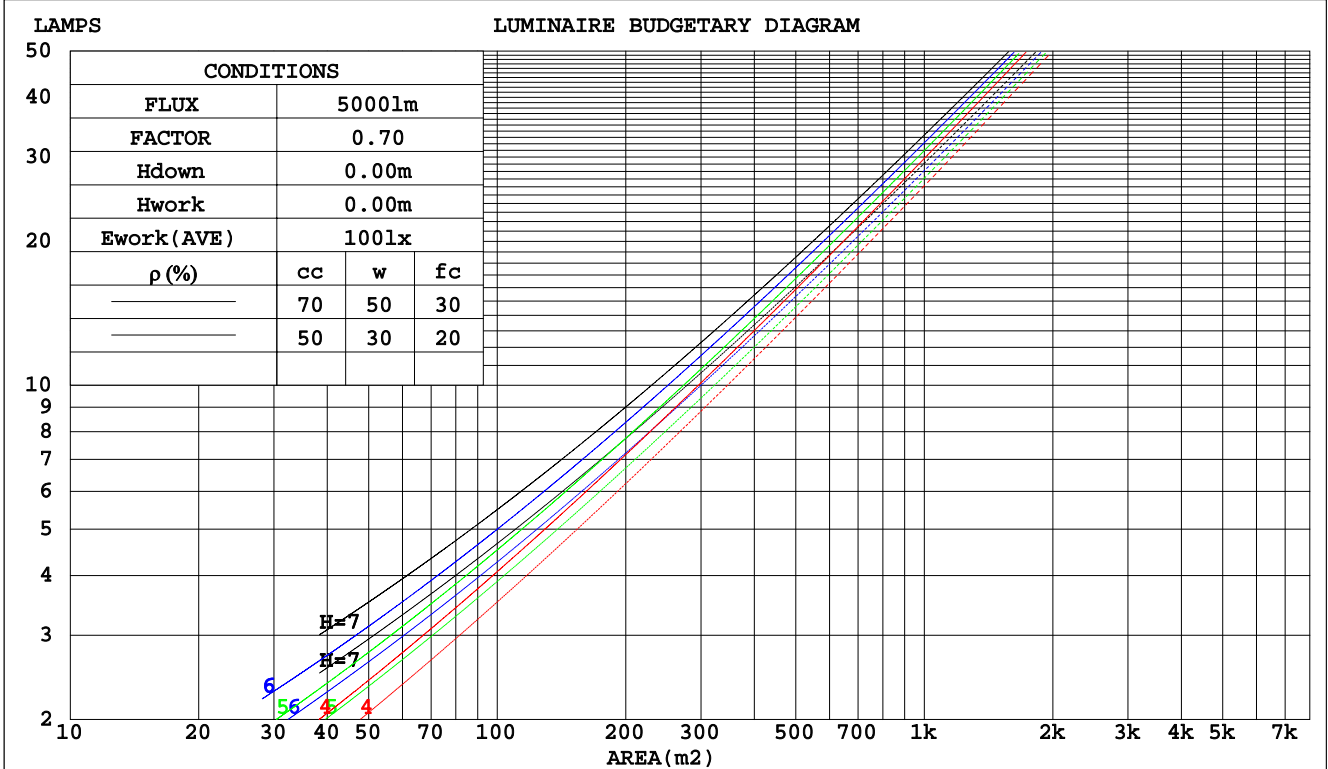
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Alan Wang  
 Test Date: 25 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	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	.90	.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	.74	.80	.76	.73	.71
4.0	.81	.74	.69	.80	.73	.68	.77	.72	.67	.75	.70	.67	.73	.69	.66	.64
5.0	.74	.67	.61	.73	.66	.61	.71	.65	.60	.69	.64	.60	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.54	.52
7.0	.62	.55	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.58	.53	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.55	.49	.45	.54	.48	.45	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.47	.41	.38	.36



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: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

WEC AND CCEC

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	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	.224	.127	.040	.217	.124	.039	.204	.117	.037	.192	.111	.036	.181	.105	.034	
2.0	.218	.119	.037	.212	.117	.036	.201	.112	.035	.191	.107	.033	.181	.102	.032	
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.184	.101	.031	.176	.097	.030	
4.0	.197	.102	.030	.193	.101	.030	.184	.098	.029	.176	.095	.029	.169	.092	.028	
5.0	.187	.095	.028	.183	.094	.027	.175	.091	.027	.168	.089	.026	.162	.086	.026	
6.0	.177	.089	.025	.173	.088	.025	.167	.085	.025	.160	.083	.024	.155	.081	.024	
7.0	.168	.083	.023	.164	.082	.023	.158	.080	.023	.153	.078	.023	.148	.077	.023	
8.0	.159	.078	.022	.156	.077	.022	.151	.075	.022	.146	.074	.021	.141	.072	.021	
9.0	.151	.073	.020	.149	.072	.020	.144	.071	.020	.139	.070	.020	.135	.069	.020	
10.0	.144	.069	.019	.141	.068	.019	.137	.067	.019	.133	.066	.019	.129	.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	.132	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.145	.101	.067	.124	.087	.058	.086	.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	.131	.081	.045	.112	.070	.040	.078	.049	.028	.045	.029	.017	.015	.009	.005	
7.0	.125	.074	.038	.107	.064	.033	.074	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.119	.068	.033	.102	.059	.029	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.063	.029	.098	.055	.025	.068	.038	.018	.040	.023	.011	.013	.007	.004	
10.0	.109	.059	.026	.094	.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: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm										
NAME: LED UFO high bay					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	24.1	25.3	24.4	25.6	26.0	23.7	25.0	24.1	25.3	25.6
3H	24.7	25.9	25.1	26.2	26.6	24.3	25.5	24.7	25.8	26.2
4H	24.9	25.9	25.3	26.3	26.7	24.5	25.5	24.9	25.9	26.3
6H	24.9	25.9	25.3	26.2	26.6	24.5	25.4	24.9	25.8	26.2
8H	24.9	25.8	25.3	26.2	26.6	24.5	25.4	24.9	25.8	26.2
12H	24.9	25.7	25.3	26.1	26.5	24.4	25.3	24.9	25.7	26.1
4H 2H	24.2	25.3	24.7	25.7	26.0	23.9	24.9	24.3	25.3	25.7
3H	25.1	25.9	25.5	26.3	26.7	24.7	25.5	25.1	26.0	26.4
4H	25.3	26.0	25.7	26.4	26.9	24.9	25.6	25.3	26.0	26.5
6H	25.3	26.0	25.8	26.4	26.9	24.9	25.6	25.4	26.0	26.5
8H	25.3	25.9	25.8	26.4	26.8	24.9	25.5	25.4	26.0	26.4
12H	25.3	25.8	25.8	26.3	26.8	24.9	25.4	25.4	25.9	26.4
8H 4H	25.2	25.9	25.7	26.3	26.8	24.8	25.5	25.3	25.9	26.4
6H	25.3	25.8	25.8	26.3	26.8	24.9	25.4	25.4	25.9	26.4
8H	25.3	25.8	25.9	26.3	26.8	24.9	25.4	25.4	25.9	26.4
12H	25.3	25.7	25.8	26.2	26.8	24.9	25.3	25.4	25.8	26.4
12H 4H	25.2	25.7	25.7	26.2	26.7	24.8	25.3	25.3	25.8	26.3
6H	25.3	25.7	25.8	26.2	26.8	24.9	25.3	25.4	25.8	26.3
8H	25.3	25.7	25.8	26.2	26.8	24.9	25.3	25.4	25.8	26.4
CIE190: 2010										

CIE190: 2010  
 Area: 0.0433516 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: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD LIGHTING CORP	SUR.:	Shielding Angle:

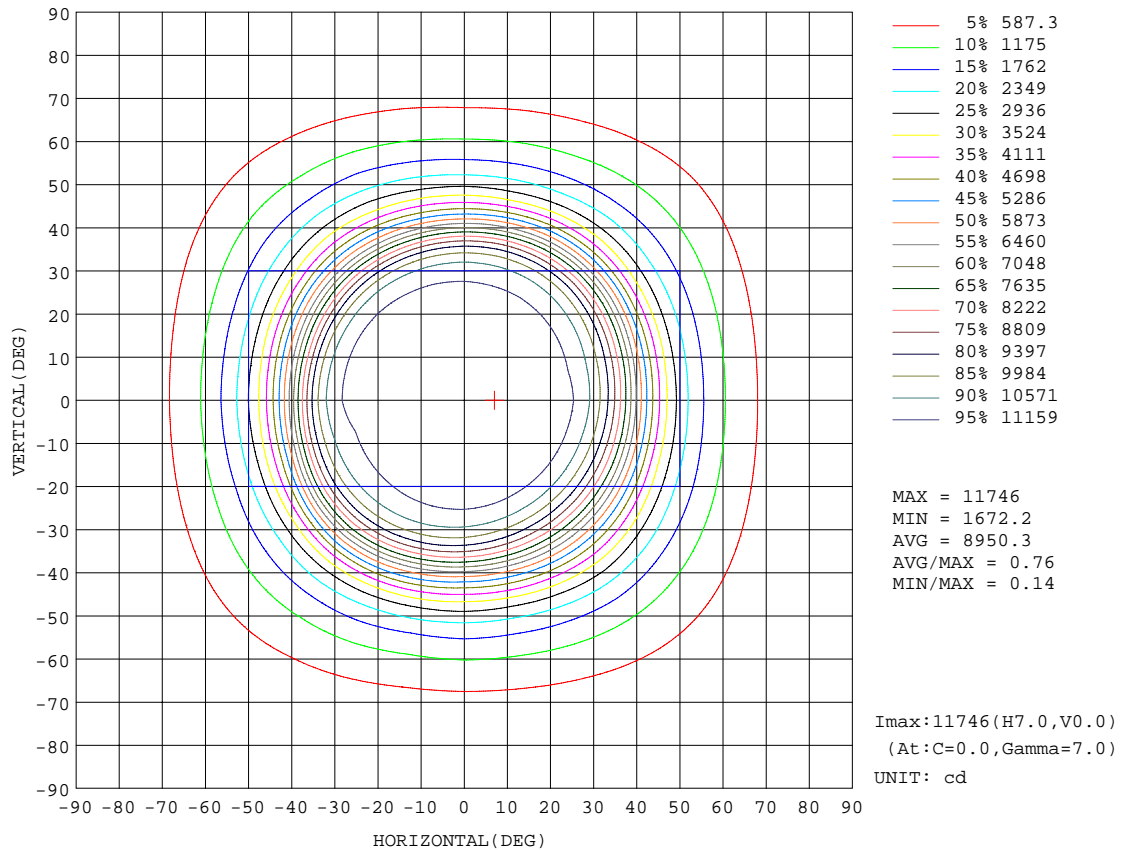
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	59	72	64	59	71	64	59	54
0.80	82	74	69	82	74	68	80	73	68	63
1.00	89	81	76	88	81	76	87	81	75	70
1.25	95	88	83	94	87	82	92	86	82	76
1.50	99	92	87	98	91	87	95	90	86	80
2.00	104	98	93	102	97	93	99	95	91	85
2.50	106	101	97	104	99	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	97	89
4.00	111	107	104	109	105	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	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

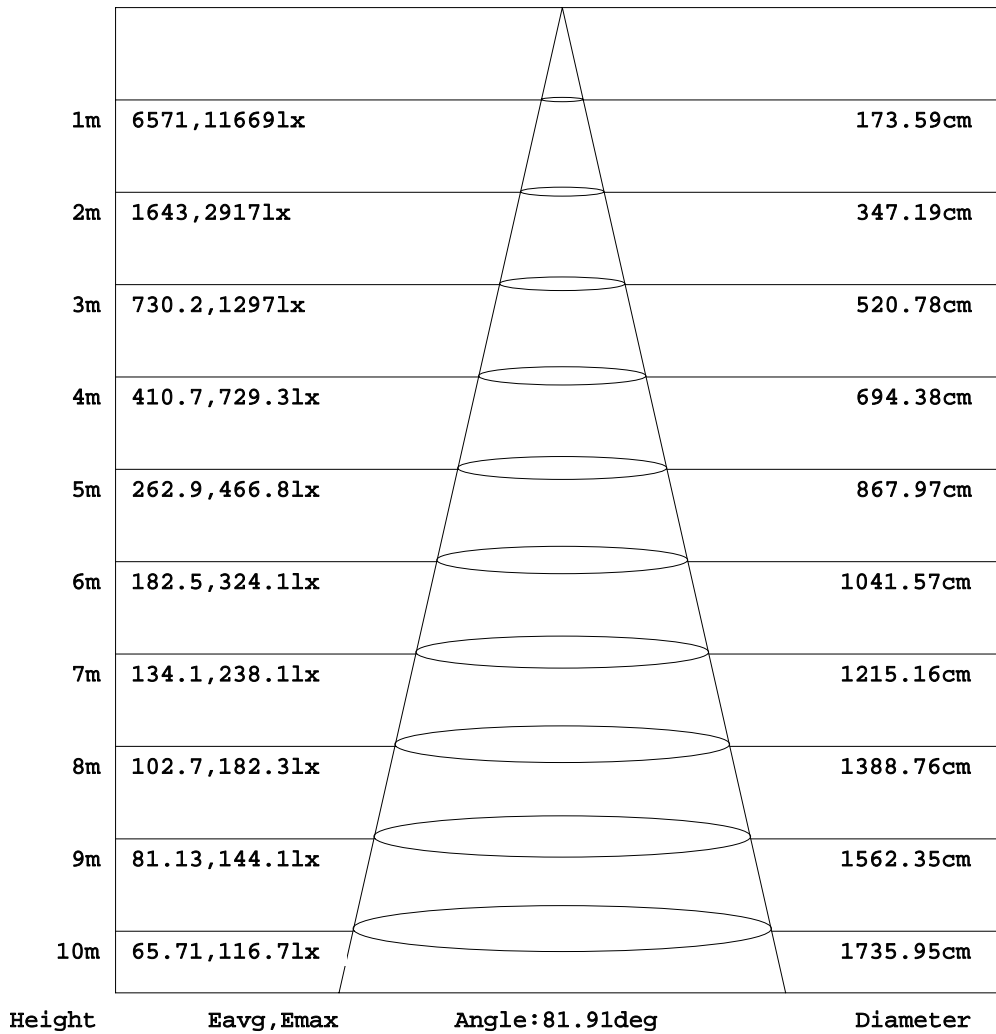
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 48.6%  
 Test Distance:2.500m [K=1.0546]  
 Remarks:



AAI Figure

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD LIGHTING CORP	SUR.:	Shielding Angle:

Flux out:15601 lm



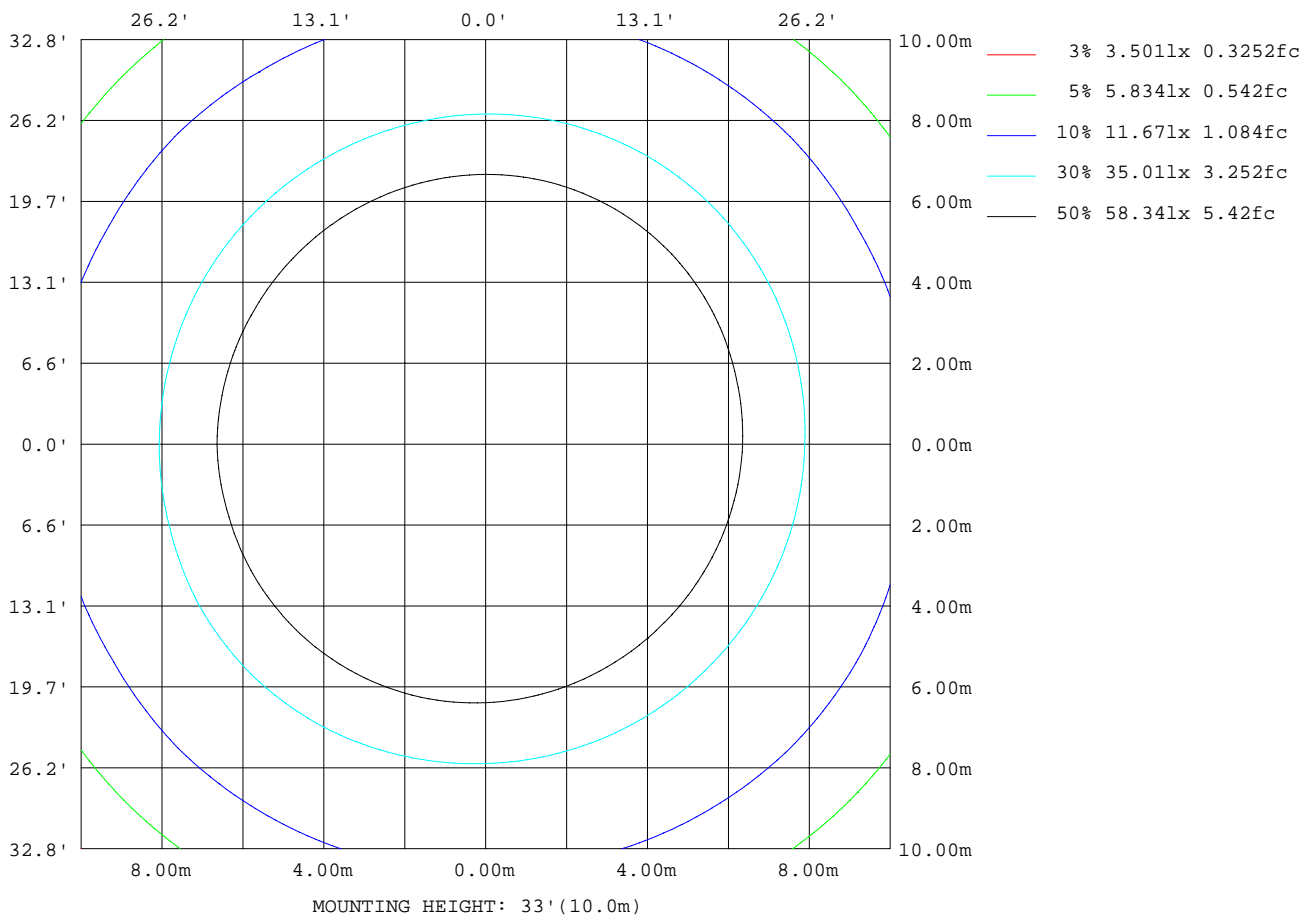
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: 48.6%  
 Test Distance:2.500m [K=1.0546]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	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: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD LIGHTING CORP	SUR.:	Shielding Angle:

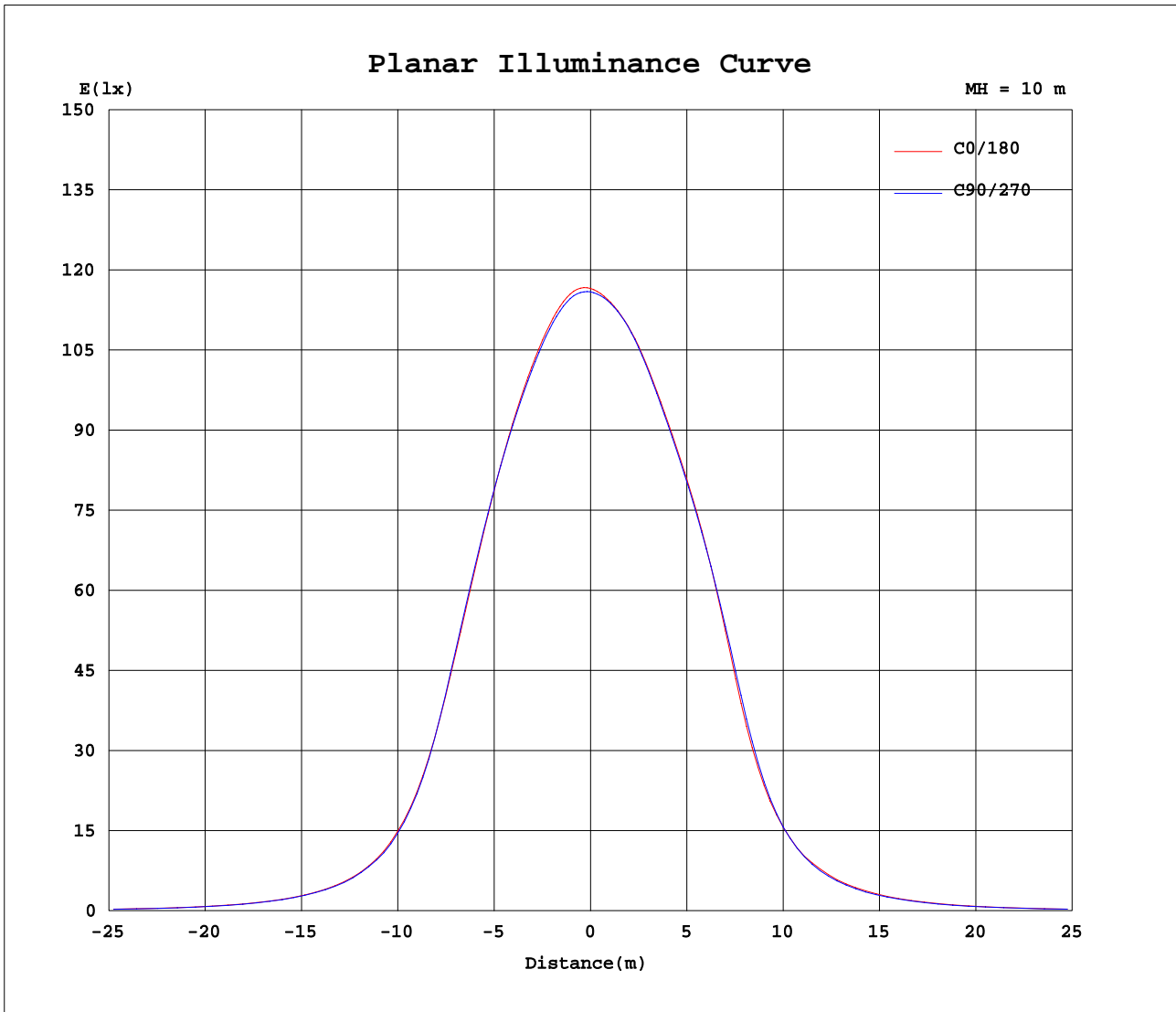
AvgL	cd/m2
L_0~180(65)av	43799
L_0~180(75)av	22298
L_0~180(85)av	9233
L_90~270(65)av	41577
L_90~270(75)av	21520
L_90~270(85)av	8918
L_45(65)av	42091
L_45(75)av	21759
L_45(85)av	9019

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 48.6%  
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	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	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1156	1155	1165	1164	1163	1162	1161	1160	1159
5	1173	1172	1172	1170	1169	1167	1165	1162	1159	1156	1152	1150	1158	1156	1154	1153	1154	1155	1156
10	1174	1173	1172	1171	1169	1167	1165	1163	1159	1155	1152	1148	1158	1155	1153	1153	1154	1155	1157
15	1168	1167	1166	1164	1163	1162	1160	1157	1153	1150	1148	1146	1157	1155	1153	1153	1152	1153	1154
20	1155	1152	1151	1150	1149	1149	1148	1145	1143	1140	1138	1137	1149	1148	1147	1146	1145	1144	1144
25	1120	1113	1110	1108	1110	1115	1119	1120	1121	1120	1121	1122	1136	1136	1135	1134	1132	1131	1130
30	1037	1023	1015	1014	1019	1031	1045	1056	1064	1070	1075	1080	1096	1095	1092	1092	1091	1092	1092
35	876	859	847	843	851	865	885	907	927	941	948	947	954	947	945	948	955	963	969
40	638	628	621	618	620	624	632	655	680	697	698	681	679	678	684	688	689	697	706
45	422	415	419	423	413	412	412	423	435	442	438	434	443	447	445	450	450	444	444
50	274	273	274	279	269	264	270	268	270	272	272	279	295	290	289	291	292	285	283
55	184	185	183	183	179	177	181	175	179	178	180	185	198	196	195	194	198	193	187
60	123	123	121	120	119	118	120	115	117	116	118	122	130	129	131	127	131	128	124
65	78.8	78.2	78.1	76.3	75.8	75.0	75.4	73.4	74.6	73.7	75.1	77.8	81.7	83.5	83.0	82.3	81.6	81.4	76.9
70	47.6	48.1	47.2	46.4	45.5	45.3	45.5	44.3	44.6	44.1	45.1	46.3	49.1	49.9	50.1	49.1	49.6	48.9	46.9
75	24.6	25.1	24.6	24.4	23.8	23.8	23.4	22.7	22.7	22.5	22.8	23.5	25.4	25.8	26.1	25.9	26.4	25.8	24.9
80	10.9	11.0	10.8	10.7	10.4	10.4	9.94	9.94	9.89	9.87	9.91	10.4	10.8	10.9	11.1	11.1	11.3	11.0	10.7
85	3.60	3.59	3.53	3.49	3.36	3.33	3.21	3.15	3.05	2.97	2.99	3.01	3.38	3.46	3.56	3.54	3.53	3.54	3.53
90	0.74	0.61	0.62	0.61	0.60	0.59	0.57	0.57	0.57	0.58	0.60	0.64	0.70	0.71	0.72	0.72	0.71	0.69	0.66
95	0.04	0.04	0.07	0.19	0.18	0.17	0.15	0.14	0.14	0.14	0.03	0.03	0.06	0.06	0.11	0.25	0.24	0.22	0.20
100	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.08	0.08	0.08	0.08	0.08	0.08	0.08
105	0.06	0.06	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13
115	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.18	0.18	0.18	0.18	0.18	0.18	0.18
120	0.16	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.16	0.15	0.28	0.27	0.27	0.28	0.28	0.28	0.28
125	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.23	0.23	0.22	0.21	0.41	0.40	0.40	0.41	0.42	0.42	0.43
130	0.30	0.30	0.30	0.30	0.32	0.30	0.31	0.31	0.31	0.30	0.30	0.29	0.55	0.55	0.55	0.57	0.58	0.59	0.60
135	0.39	0.39	0.40	0.40	0.42	0.41	0.41	0.41	0.40	0.39	0.38	0.39	0.67	0.68	0.69	0.72	0.73	0.76	0.76
140	0.50	0.49	0.49	0.51	0.52	0.53	0.50	0.50	0.50	0.48	0.46	0.46	0.78	0.78	0.80	0.85	0.88	0.89	0.88
145	0.56	0.59	0.60	0.60	0.63	0.63	0.61	0.61	0.59	0.57	0.54	0.56	0.89	0.91	0.93	0.97	1.00	1.01	1.00
150	0.66	0.70	0.69	0.69	0.70	0.70	0.69	0.69	0.66	0.64	0.61	0.62	1.00	1.00	0.99	1.05	1.08	1.10	1.09
155	0.77	0.82	0.84	0.80	0.80	0.80	0.77	0.78	0.76	0.75	0.76	0.71	1.09	1.09	1.13	1.13	1.16	1.17	1.16
160	0.90	0.93	0.93	0.89	0.87	0.86	0.81	0.85	0.84	0.85	0.86	0.83	1.23	1.22	1.22	1.25	1.24	1.24	1.24
165	0.96	1.01	1.01	1.00	0.96	0.93	0.91	0.93	0.94	0.94	0.93	0.92	1.28	1.28	1.29	1.30	1.31	1.30	1.28
170	1.04	1.08	1.09	1.08	1.02	1.00	1.00	0.99	0.99	0.98	0.98	1.00	1.31	1.31	1.33	1.33	1.33	1.32	1.29
175	1.18	1.22	1.23	1.21	1.16	1.13	1.09	1.11	1.11	1.11	1.12	1.14	1.32	1.32	1.35	1.34	1.32	1.32	1.28
180	1.29	1.32	1.32	1.30	1.28	1.26	1.25	1.18	1.20	1.22	1.22	1.27	1.29	1.29	1.32	1.32	1.30	1.27	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: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.2246A P:146.52W PF:0.9971 Freq:60.00Hz Lamp Flux:21750x1 lm		
NAME: LED UFO high bay	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	1158	1157	1156	1156	1155														
5	1157	1159	1160	1161	1161														
10	1158	1160	1161	1162	1162														
15	1154	1154	1155	1156	1156														
20	1144	1144	1145	1145	1145														
25	1129	1128	1125	1121	1115														
30	1088	1083	1073	1060	1045														
35	969	960	943	920	896														
40	709	708	696	678	656														
45	444	445	439	431	427														
50	276	275	274	272	273														
55	186	182	181	183	185														
60	123	120	121	122	124														
65	78.5	76.1	76.2	78.2	78.9														
70	47.1	46.2	45.9	47.7	48.1														
75	25.2	24.7	24.9	25.6	26.0														
80	10.6	10.7	10.7	11.1	11.2														
85	3.61	3.64	3.64	3.71	3.78														
90	0.65	0.64	0.63	0.64	0.64														
95	0.20	0.20	0.20	0.08	0.06														
100	0.08	0.08	0.08	0.08	0.08														
105	0.11	0.11	0.11	0.11	0.11														
110	0.13	0.13	0.13	0.14	0.14														
115	0.19	0.19	0.19	0.19	0.18														
120	0.29	0.29	0.29	0.29	0.29														
125	0.43	0.43	0.43	0.42	0.42														
130	0.60	0.59	0.58	0.56	0.56														
135	0.75	0.73	0.71	0.70	0.70														
140	0.86	0.85	0.84	0.81	0.80														
145	0.97	0.97	0.95	0.92	0.91														
150	1.07	1.06	1.05	1.01	1.02														
155	1.16	1.14	1.13	1.14	1.12														
160	1.22	1.23	1.22	1.24	1.23														
165	1.27	1.28	1.28	1.28	1.28														
170	1.28	1.29	1.26	1.27	1.29														
175	1.25	1.27	1.24	1.27	1.30														
180	1.25	1.19	1.21	1.21	1.23														

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: 48.6%  
 Test Distance: 2.500m [K=1.0546]  
 Remarks: