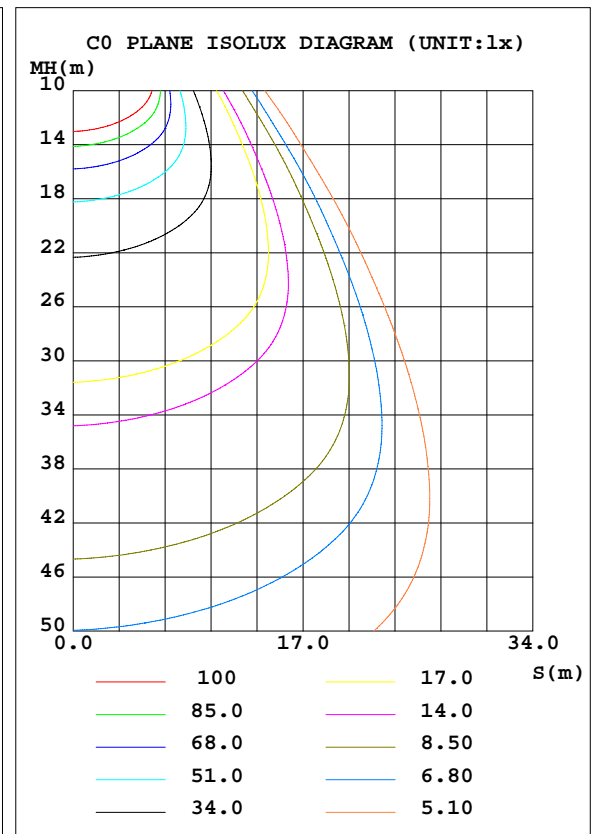
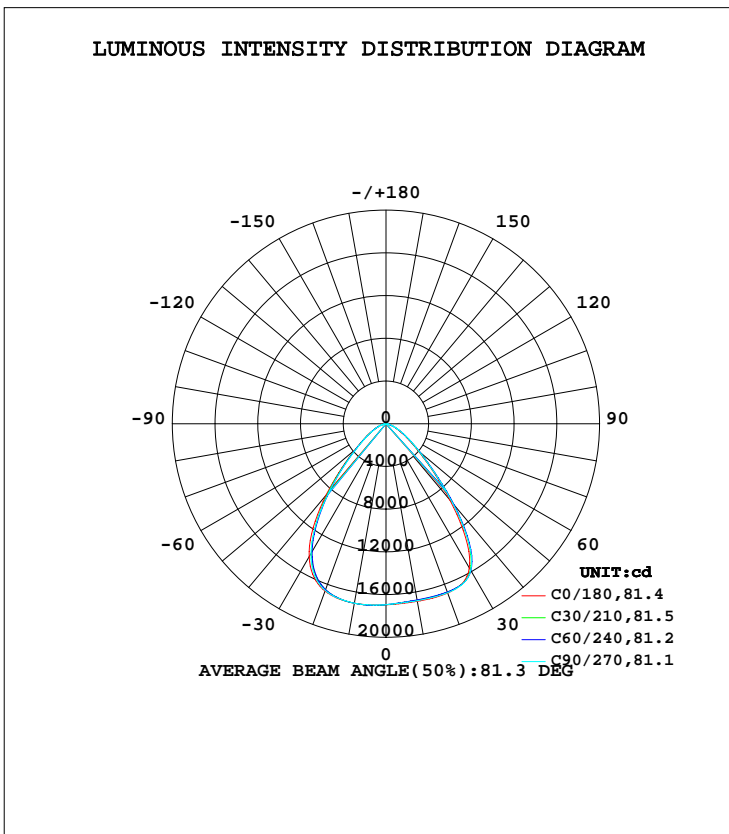


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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: 148.85 lm/W			
MODEL	ASD-UHB3HV-200D50-BK	I <sub>max</sub> (cd)	17075	S/MH(C0/180)	1.16
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.14
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	29600	η UP, DN(C0-180)	0.0,51.4
NOMINAL FLUX(lm)	29600	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,48.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	277	η down(%)	99.9	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1688	1675	1682	1697	1706	1706	1706	1699	0- 10	1618	1618	5.36,5.36
20	1687	1677	1684	1684	1668	1653	1662	1680	10- 20	4784	6402	21.2,21.2
30	1560	1586	1587	1529	1440	1386	1407	1485	20- 30	7431	13833	45.8,45.8
40	932.0	992.3	972.2	910.7	872.8	827.9	823.4	868.1	30- 40	7633	21466	71.1,71.1
50	390.9	414.1	415.1	391.9	376.7	360.6	356.9	372.1	40- 50	4667	26133	86.5,86.5
60	174.7	187.6	187.4	173.3	172.5	165.3	164.6	168.1	50- 60	2362	28494	94.4,94.4
70	68.96	74.68	74.60	70.18	72.68	70.61	68.65	67.64	60- 70	1155	29650	98.2,98.2
80	17.55	18.68	18.84	18.82	19.27	18.77	17.74	17.62	70- 80	427.3	30077	99.6,99.6
90	0.8526	0.7043	0.8171	0.9318	0.8164	0.7509	0.7068	0.6772	80- 90	81.93	30159	99.9,99.9
100	0.0570	0.0561	0.0559	0.0559	0.1177	0.1236	0.1227	0.1182	90-100	2.966	30162	99.9,99.9
110	0.0982	0.0964	0.0978	0.0992	0.1912	0.2012	0.2029	0.1913	100-110	1.224	30163	99.9,99.9
120	0.2097	0.2001	0.2094	0.2174	0.4135	0.4377	0.4386	0.4123	110-120	2.122	30165	99.9,99.9
130	0.4162	0.4057	0.4129	0.4297	0.8263	0.9113	0.9361	0.8501	120-130	4.207	30169	99.9,99.9
140	0.7056	0.7142	0.7287	0.7233	1.210	1.355	1.392	1.299	130-140	6.459	30176	99.9,99.9
150	0.9771	1.009	1.044	0.9961	1.562	1.712	1.767	1.691	140-150	7.347	30183	100,100
160	1.311	1.289	1.237	1.298	2.003	2.070	2.074	2.022	150-160	6.967	30190	100,100
170	1.527	1.568	1.469	1.485	2.125	2.169	2.103	2.049	160-170	4.969	30195	100,100
180	1.998	2.054	1.901	1.914	1.998	2.046	1.918	1.855	170-180	1.766	30197	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 24194 lm

%lum = 80.1%

%lamp = 80.1%

Conical surface Flux(120deg): 28494 lm

%lum = 94.4%

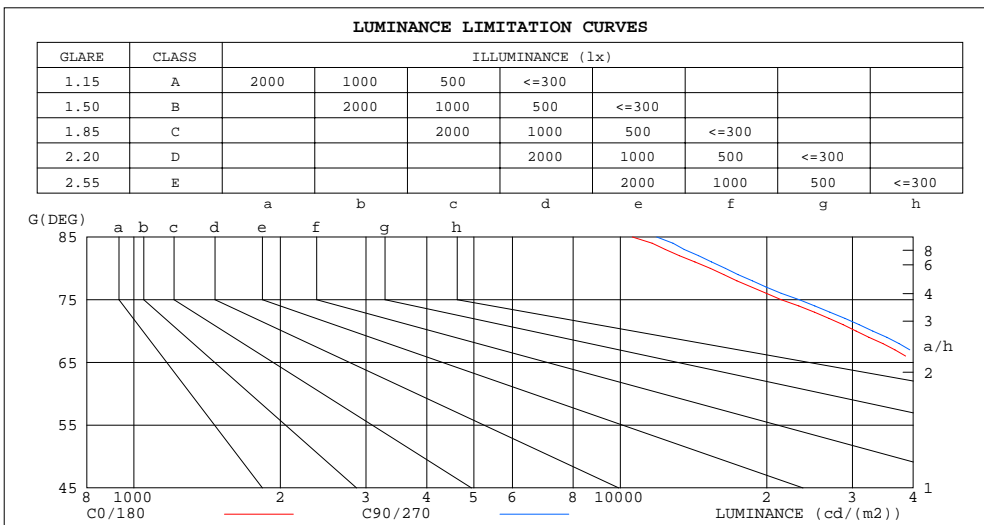
%lamp = 94.4%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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	10588	11878
80	15308	16437
75	21419	23323
70	30540	33039
65	40767	43776
60	52926	56776
55	69064	73660
50	92113	97821
45	131389	135942

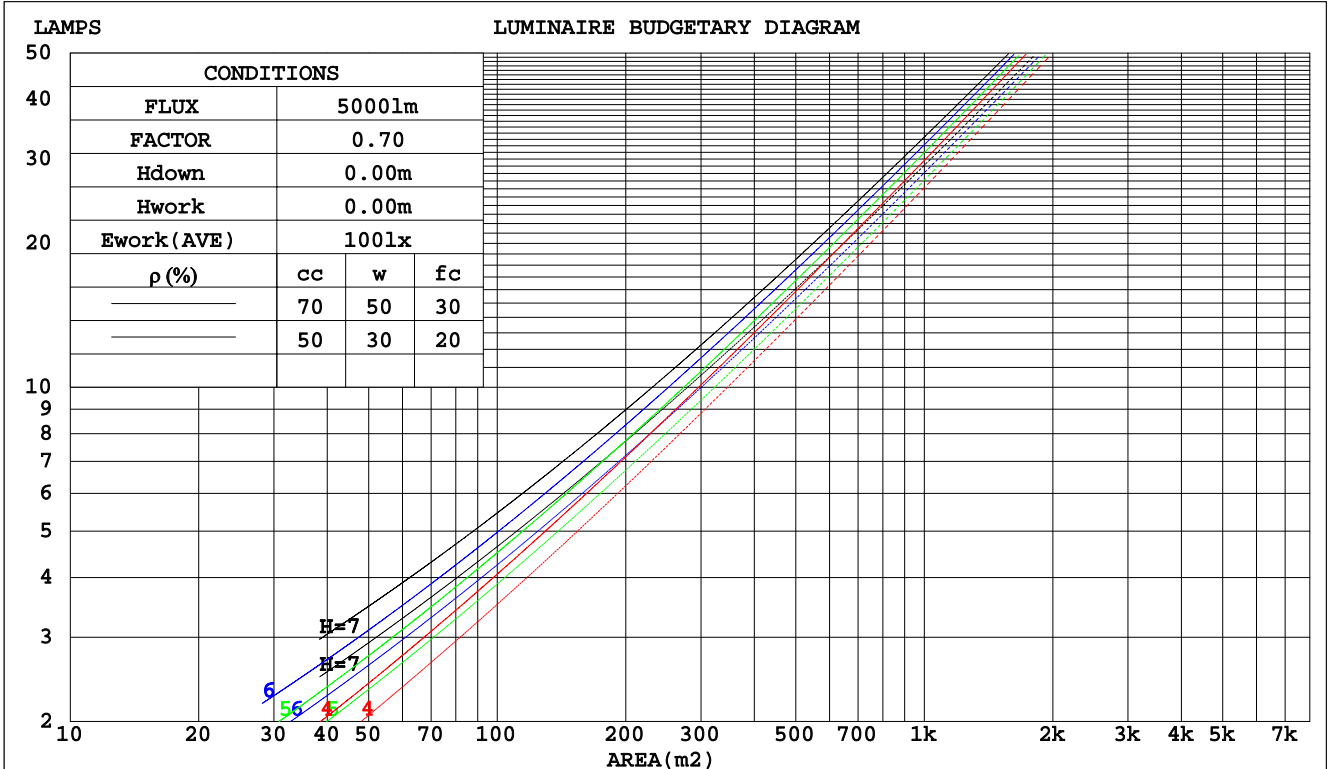
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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																
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	.75	.80	.76	.73	.71
4.0	.81	.74	.69	.80	.73	.68	.78	.72	.68	.75	.71	.67	.73	.69	.66	.64
5.0	.74	.67	.62	.73	.66	.61	.71	.65	.61	.69	.64	.60	.68	.63	.59	.58
6.0	.68	.61	.55	.67	.60	.55	.66	.59	.55	.64	.59	.54	.63	.58	.54	.52
7.0	.63	.55	.50	.62	.55	.50	.61	.54	.50	.59	.54	.49	.58	.53	.49	.47
8.0	.58	.51	.46	.57	.50	.46	.56	.50	.45	.55	.49	.45	.54	.49	.45	.43
9.0	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.46	.41	.50	.45	.41	.40
10.0	.50	.43	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

WEC AND CCEC

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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	.128	.040	.218	.124	.039	.205	.117	.038	.193	.111	.036	.182	.105	.034	
2.0	.218	.119	.037	.212	.117	.036	.201	.112	.035	.190	.107	.033	.181	.102	.032	
3.0	.207	.110	.033	.202	.108	.033	.193	.104	.032	.184	.101	.031	.175	.097	.030	
4.0	.197	.102	.030	.192	.100	.030	.184	.097	.029	.176	.094	.028	.168	.091	.028	
5.0	.186	.095	.027	.182	.093	.027	.175	.091	.027	.168	.088	.026	.161	.086	.026	
6.0	.176	.088	.025	.172	.087	.025	.166	.085	.025	.160	.083	.024	.154	.081	.024	
7.0	.167	.082	.023	.164	.082	.023	.158	.080	.023	.152	.078	.023	.147	.076	.022	
8.0	.158	.077	.022	.155	.077	.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	.069	.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	.132	.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	.119	.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	.094	.051	.022	.065	.036	.016	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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	25.7	26.0	23.9	25.2	24.2	25.5	25.8
3H	24.8	25.9	25.1	26.2	26.6	24.6	25.8	25.0	26.1	26.5
4H	24.9	25.9	25.3	26.3	26.7	24.8	25.9	25.2	26.2	26.6
6H	24.9	25.9	25.3	26.3	26.7	24.9	25.8	25.3	26.2	26.6
8H	24.9	25.8	25.3	26.2	26.6	24.9	25.8	25.3	26.2	26.6
12H	24.9	25.8	25.3	26.1	26.6	24.9	25.7	25.3	26.1	26.5
4H 2H	24.3	25.4	24.7	25.7	26.1	24.1	25.2	24.5	25.5	25.9
3H	25.2	26.0	25.6	26.4	26.8	25.0	25.9	25.4	26.3	26.7
4H	25.4	26.1	25.8	26.5	27.0	25.2	26.0	25.7	26.4	26.9
6H	25.4	26.1	25.9	26.5	27.0	25.3	26.0	25.8	26.5	26.9
8H	25.4	26.0	25.9	26.5	27.0	25.4	26.0	25.8	26.4	26.9
12H	25.4	25.9	25.9	26.4	26.9	25.3	25.9	25.8	26.4	26.8
8H 4H	25.4	26.0	25.8	26.4	26.9	25.3	25.9	25.7	26.3	26.8
6H	25.5	26.0	26.0	26.5	27.0	25.4	25.9	25.9	26.4	26.9
8H	25.5	25.9	26.0	26.5	26.9	25.4	25.9	25.9	26.4	26.9
12H	25.5	25.9	26.0	26.4	27.0	25.4	25.8	26.0	26.3	26.9
12H 4H	25.3	25.9	25.8	26.4	26.8	25.2	25.8	25.7	26.2	26.7
6H	25.4	25.9	26.0	26.4	26.9	25.4	25.8	25.9	26.3	26.8
8H	25.5	25.9	26.0	26.4	26.9	25.4	25.8	25.9	26.3	26.9
CIE190: 2010										

CIE190: 2010  
Area: 0.0660185 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 11 June 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 47.3%  
Test Distance: 2.500m [K=1.0434]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

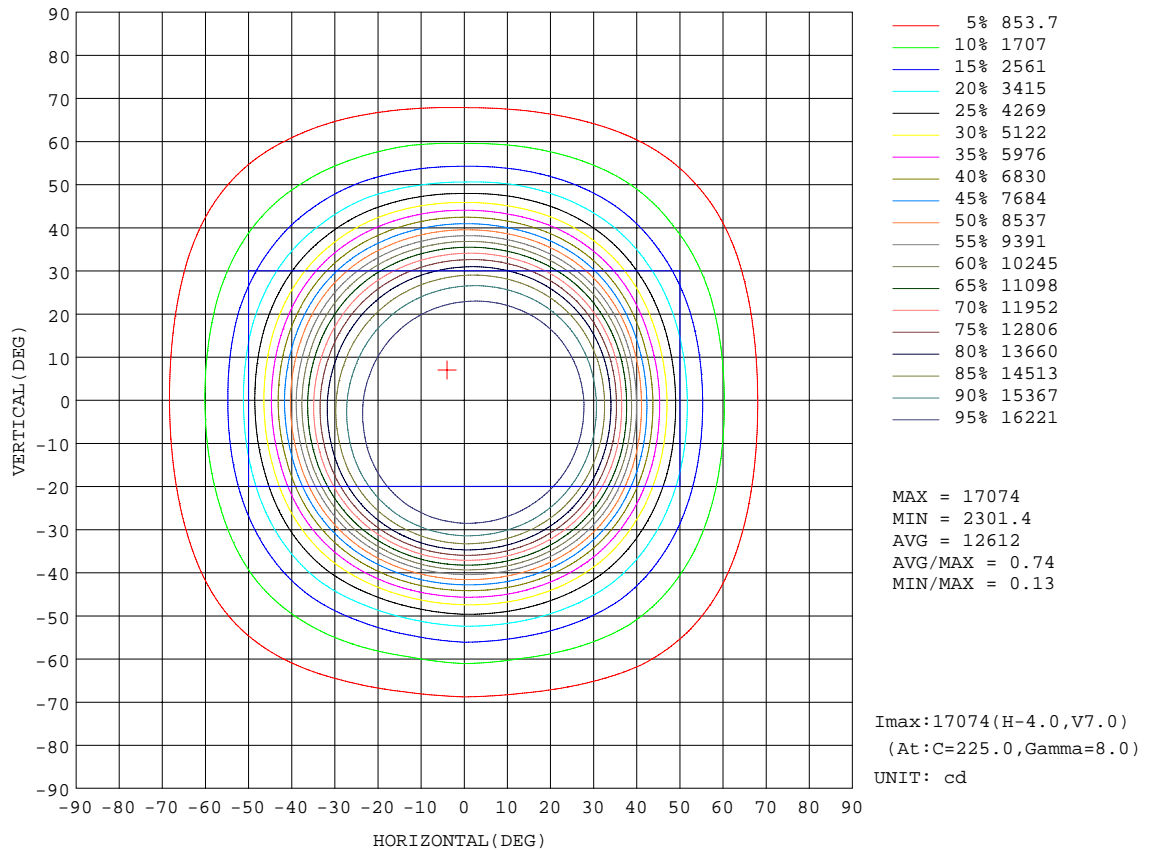
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	73	64	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	80	73	68	63
1.00	89	82	76	88	81	76	87	82	76	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: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

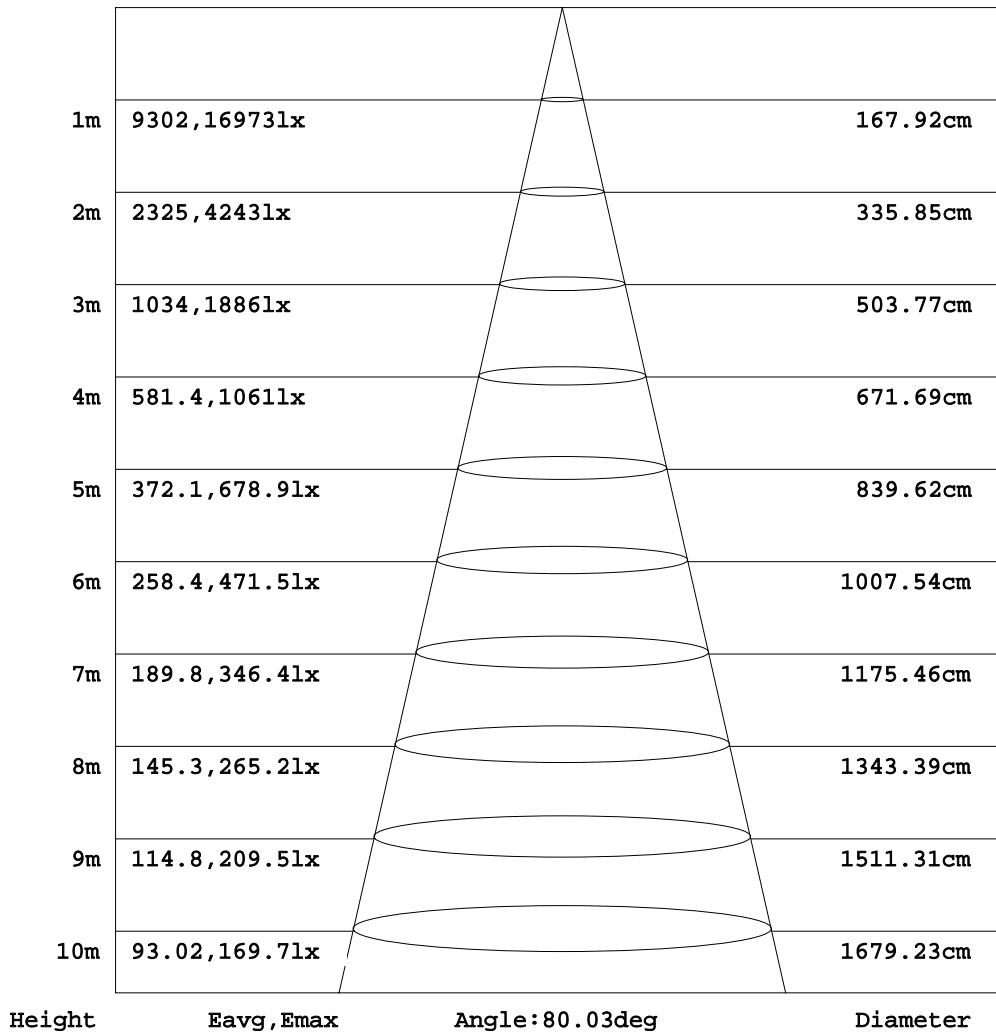
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:



AAI Figure

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

Flux out:22082 lm



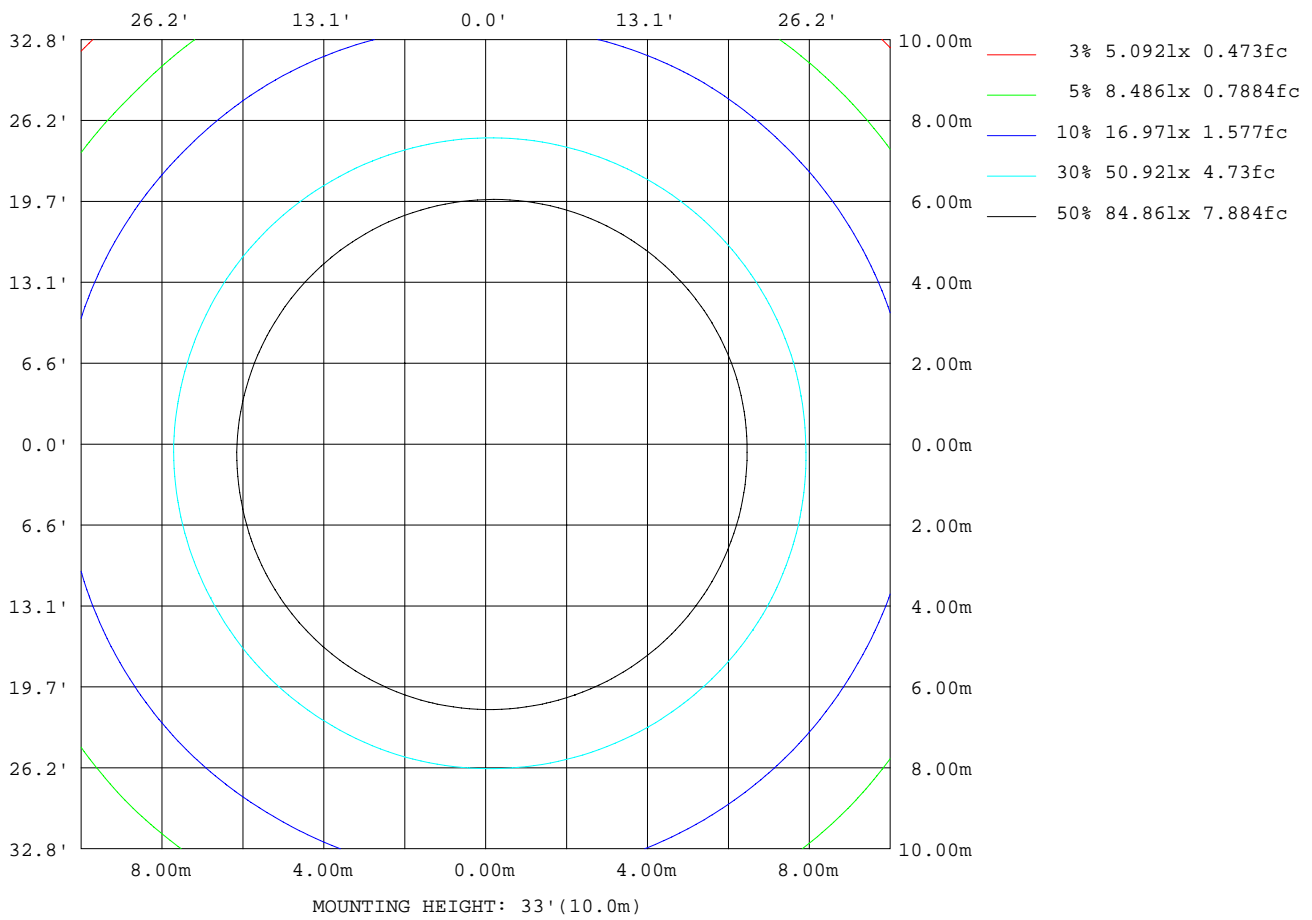
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

## LED Avg.L Report

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

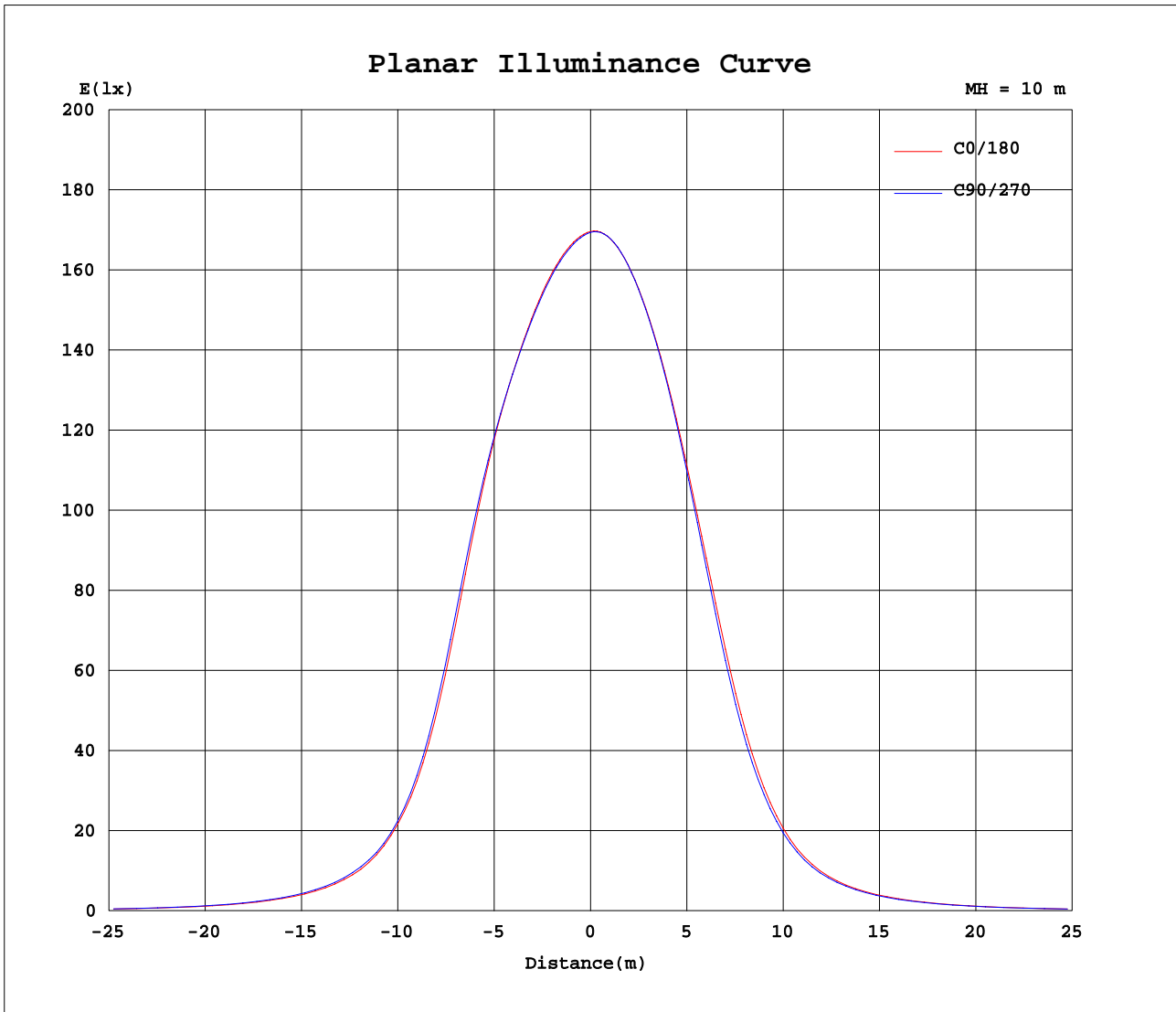
AvgL	cd/m2
L_0~180(65)av	41062
L_0~180(75)av	22335
L_0~180(85)av	11567
L_90~270(65)av	41562
L_90~270(75)av	22522
L_90~270(85)av	11519
L_45(65)av	41020
L_45(75)av	22437
L_45(85)av	11639

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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	1696	1696	1695	1695	1695	1694	1694	1694	1694	1694	1693	1693	1696	1696	1695	1695	1695	1694	1694
5	1689	1685	1683	1681	1681	1682	1684	1688	1691	1694	1697	1699	1704	1704	1706	1706	1705	1705	1704
10	1688	1682	1678	1675	1675	1678	1682	1688	1693	1697	1700	1701	1706	1706	1707	1706	1706	1706	1706
15	1690	1683	1678	1675	1676	1679	1684	1690	1695	1696	1696	1696	1698	1695	1694	1694	1694	1694	1695
20	1687	1682	1679	1677	1677	1680	1684	1687	1687	1684	1679	1672	1668	1660	1655	1653	1654	1656	1662
25	1663	1664	1665	1664	1665	1667	1668	1665	1658	1644	1628	1608	1591	1574	1563	1557	1558	1565	1577
30	1560	1573	1581	1586	1590	1590	1587	1575	1556	1529	1497	1464	1440	1413	1396	1386	1385	1392	1407
35	1299	1325	1343	1354	1359	1357	1347	1332	1306	1276	1243	1213	1188	1160	1140	1128	1121	1124	1138
40	932	960	984	992	994	986	972	958	933	911	891	879	873	854	843	828	817	819	823
45	613	626	632	642	646	645	635	621	607	597	590	579	583	577	568	560	557	553	550
50	391	403	406	414	415	416	415	398	390	392	385	378	377	380	370	361	367	361	357
55	262	267	272	279	277	278	279	266	260	262	257	256	252	257	247	244	246	244	241
60	175	179	182	188	185	182	187	175	174	173	174	170	172	174	169	165	167	169	165
65	114	116	119	123	120	119	122	115	113	114	114	113	115	116	113	112	113	113	110
70	69.0	70.6	72.6	74.7	73.5	73.4	74.6	71.1	70.2	70.2	70.9	70.4	72.7	73.2	71.8	70.6	71.6	70.6	68.6
75	36.6	37.1	38.6	39.5	39.2	39.4	39.9	39.2	38.8	39.2	38.8	38.7	39.7	39.8	38.5	38.1	38.5	38.0	37.1
80	17.5	17.6	18.3	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	19.3	19.2	18.8	18.8	18.6	18.1	17.7
85	6.09	6.17	6.36	6.57	6.61	6.71	6.83	6.98	7.06	7.10	7.11	7.05	7.22	7.12	6.97	6.89	6.72	6.55	6.42
90	0.85	0.86	0.88	0.70	0.73	0.78	0.82	0.85	0.87	0.93	0.95	0.93	0.82	0.79	0.77	0.75	0.73	0.72	0.71
95	0.11	0.09	0.13	0.15	0.16	0.18	0.19	0.21	0.21	0.21	0.15	0.10	0.24	0.23	0.22	0.22	0.21	0.21	0.20
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12
105	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.15	0.16	0.16	0.16	0.16	0.16	0.16
110	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.19	0.19	0.20	0.20	0.20	0.20	0.20
115	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.14	0.26	0.27	0.27	0.28	0.28	0.28	0.28
120	0.21	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.41	0.42	0.43	0.44	0.44	0.44	0.44
125	0.30	0.28	0.28	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.62	0.62	0.64	0.66	0.67	0.67	0.67
130	0.42	0.41	0.40	0.41	0.42	0.41	0.41	0.42	0.43	0.43	0.43	0.43	0.83	0.85	0.87	0.91	0.94	0.94	0.94
135	0.57	0.56	0.56	0.55	0.58	0.56	0.57	0.58	0.58	0.57	0.57	0.58	1.04	1.06	1.11	1.15	1.19	1.21	1.20
140	0.71	0.70	0.70	0.71	0.72	0.73	0.73	0.73	0.73	0.72	0.70	0.73	1.21	1.24	1.29	1.36	1.38	1.41	1.39
145	0.81	0.81	0.85	0.85	0.89	0.90	0.89	0.90	0.88	0.86	0.82	0.83	1.38	1.41	1.47	1.54	1.59	1.60	1.57
150	0.98	1.01	1.02	1.01	1.03	1.05	1.04	1.04	1.02	1.00	0.94	0.97	1.56	1.59	1.60	1.71	1.77	1.80	1.77
155	1.14	1.19	1.21	1.14	1.17	1.19	1.17	1.18	1.16	1.15	1.16	1.11	1.75	1.75	1.85	1.87	1.94	1.97	1.95
160	1.31	1.34	1.35	1.29	1.27	1.28	1.24	1.30	1.28	1.30	1.30	1.30	2.00	2.00	2.02	2.07	2.07	2.10	2.07
165	1.42	1.47	1.47	1.45	1.42	1.39	1.36	1.41	1.42	1.44	1.42	1.44	2.08	2.08	2.10	2.16	2.18	2.16	2.13
170	1.53	1.57	1.59	1.57	1.51	1.49	1.47	1.49	1.48	1.48	1.50	1.53	2.13	2.13	2.15	2.17	2.17	2.16	2.10
175	1.74	1.79	1.80	1.77	1.72	1.68	1.62	1.66	1.68	1.69	1.70	1.74	2.10	2.10	2.14	2.15	2.11	2.09	2.05
180	2.00	2.12	2.10	2.05	1.98	1.98	1.90	1.86	1.93	1.91	1.94	2.09	2.00	1.97	2.05	2.05	2.02	1.96	1.92

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.7359A P:202.87W PF:0.9951 Freq:60.00Hz Lamp Flux:29600x1 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	1694	1694	1694	1693	1693														
5	1702	1699	1697	1693	1689														
10	1705	1703	1699	1695	1691														
15	1697	1697	1696	1695	1693														
20	1669	1675	1680	1684	1686														
25	1592	1608	1627	1643	1654														
30	1428	1454	1485	1515	1541														
35	1157	1181	1213	1246	1280														
40	832	849	868	888	914														
45	554	566	570	580	588														
50	368	370	372	372	383														
55	245	247	249	248	258														
60	167	168	168	166	174														
65	111	111	110	109	113														
70	68.9	68.4	67.6	67.7	68.9														
75	37.1	37.3	36.6	36.5	37.1														
80	17.7	17.7	17.6	17.4	17.7														
85	6.33	6.26	6.22	6.16	6.20														
90	0.70	0.68	0.68	0.68	0.68														
95	0.21	0.21	0.21	0.14	0.12														
100	0.12	0.12	0.12	0.12	0.12														
105	0.16	0.16	0.15	0.15	0.15														
110	0.20	0.20	0.19	0.19	0.19														
115	0.28	0.27	0.27	0.26	0.25														
120	0.43	0.42	0.41	0.40	0.39														
125	0.65	0.64	0.62	0.59	0.58														
130	0.92	0.90	0.85	0.81	0.80														
135	1.18	1.13	1.09	1.06	1.02														
140	1.35	1.33	1.30	1.25	1.21														
145	1.53	1.52	1.50	1.43	1.37														
150	1.74	1.72	1.69	1.61	1.59														
155	1.95	1.91	1.87	1.86	1.81														
160	2.05	2.06	2.02	2.03	2.00														
165	2.10	2.11	2.09	2.10	2.09														
170	2.10	2.09	2.05	2.05	2.08														
175	1.97	2.00	1.96	2.00	2.00														
180	1.90	1.84	1.86	1.87	1.89														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 47.3%  
 Test Distance: 2.500m [K=1.0434]  
 Remarks: