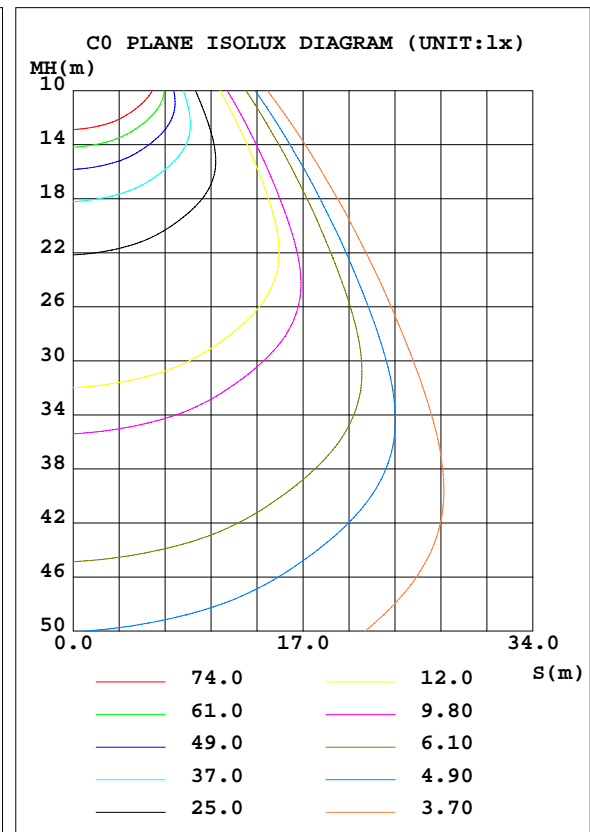
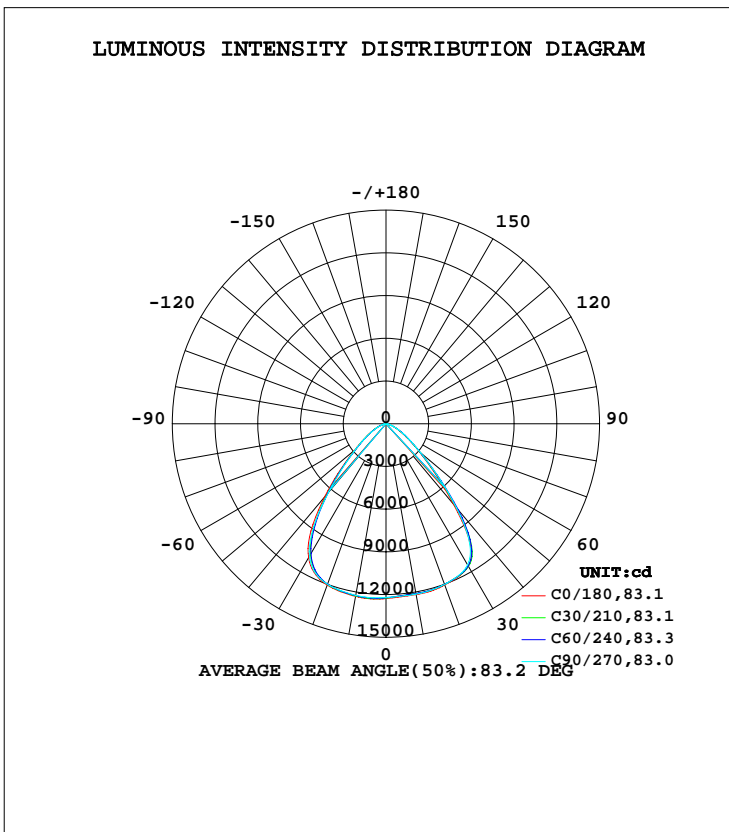


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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: 149.26 lm/W			
MODEL	ASD-UHB3HV-150D50-BK	I <sub>max</sub> (cd)	12342	S/MH(C0/180)	1.18
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	22200	η UP, DN(C0-180)	0.0,51.3
NOMINAL FLUX(lm)	22200	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,48.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	277	η down(%)	99.9	CIBSE SHR MAX	1.25



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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1218	1210	1215	1219	1231	1226	1223	1217	0- 10	1165	1165	5.18,5.18
20	1205	1200	1201	1198	1206	1200	1200	1199	10- 20	3433	4597	20.4,20.4
30	1154	1157	1145	1113	1087	1053	1076	1123	20- 30	5394	9991	44.4,44.4
40	738.3	782.5	770.3	713.0	669.9	635.1	626.2	684.9	30- 40	5875	15867	70.6,70.6
50	307.0	322.1	318.5	304.8	282.4	280.6	277.4	280.0	40- 50	3611	19477	86.6,86.6
60	132.1	138.0	140.1	129.0	126.9	124.7	120.4	122.8	50- 60	1785	21262	94.6,94.6
70	50.80	52.22	53.89	49.57	49.49	47.92	46.93	47.90	60- 70	837.6	22100	98.3,98.3
80	12.01	13.09	13.55	12.58	12.53	11.84	11.37	11.67	70- 80	298.9	22399	99.6,99.6
90	0.8957	0.8312	0.8484	0.8645	0.8865	0.9388	0.8916	0.8103	80- 90	54.64	22454	99.9,99.9
100	0.0427	0.0415	0.0411	0.0415	0.0899	0.0934	0.0949	0.0886	90-100	3.443	22457	99.9,99.9
110	0.0724	0.0712	0.0714	0.0743	0.1457	0.1544	0.1562	0.1462	100-110	0.9238	22458	99.9,99.9
120	0.1559	0.1489	0.1561	0.1648	0.3121	0.3283	0.3279	0.3059	110-120	1.602	22460	99.9,99.9
130	0.3084	0.2963	0.3048	0.3147	0.6003	0.6527	0.6698	0.6040	120-130	3.089	22463	99.9,99.9
140	0.5004	0.5123	0.5038	0.5079	0.8514	0.9517	0.9538	0.8873	130-140	4.547	22467	99.9,99.9
150	0.6825	0.6981	0.7076	0.6847	1.073	1.168	1.187	1.124	140-150	5.096	22472	100,100
160	0.9233	0.9062	0.8463	0.9137	1.338	1.369	1.340	1.314	150-160	4.698	22477	100,100
170	1.088	1.108	1.038	1.060	1.429	1.457	1.390	1.353	160-170	3.370	22480	100,100
180	1.391	1.428	1.282	1.303	1.386	1.412	1.325	1.284	170-180	1.218	22482	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 17991 lm

%lum = 80.0%

%lamp = 80.0%

Conical surface Flux(120deg): 21262 lm

%lum = 94.6%

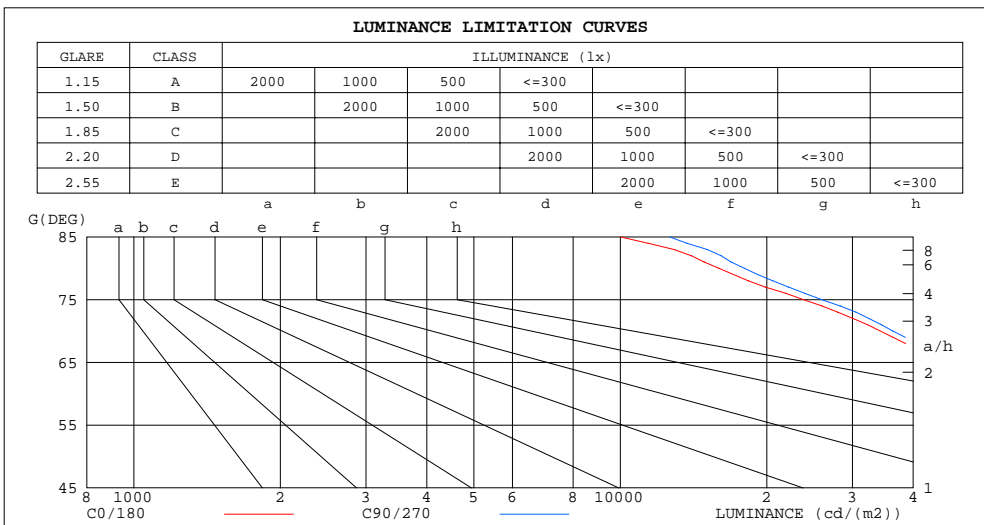
%lamp = 94.6%

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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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	10014	12637
80	15948	18002
75	23813	25963
70	34260	36346
65	46090	48915
60	60948	64635
55	80797	84847
50	110170	114312
45	155052	163963

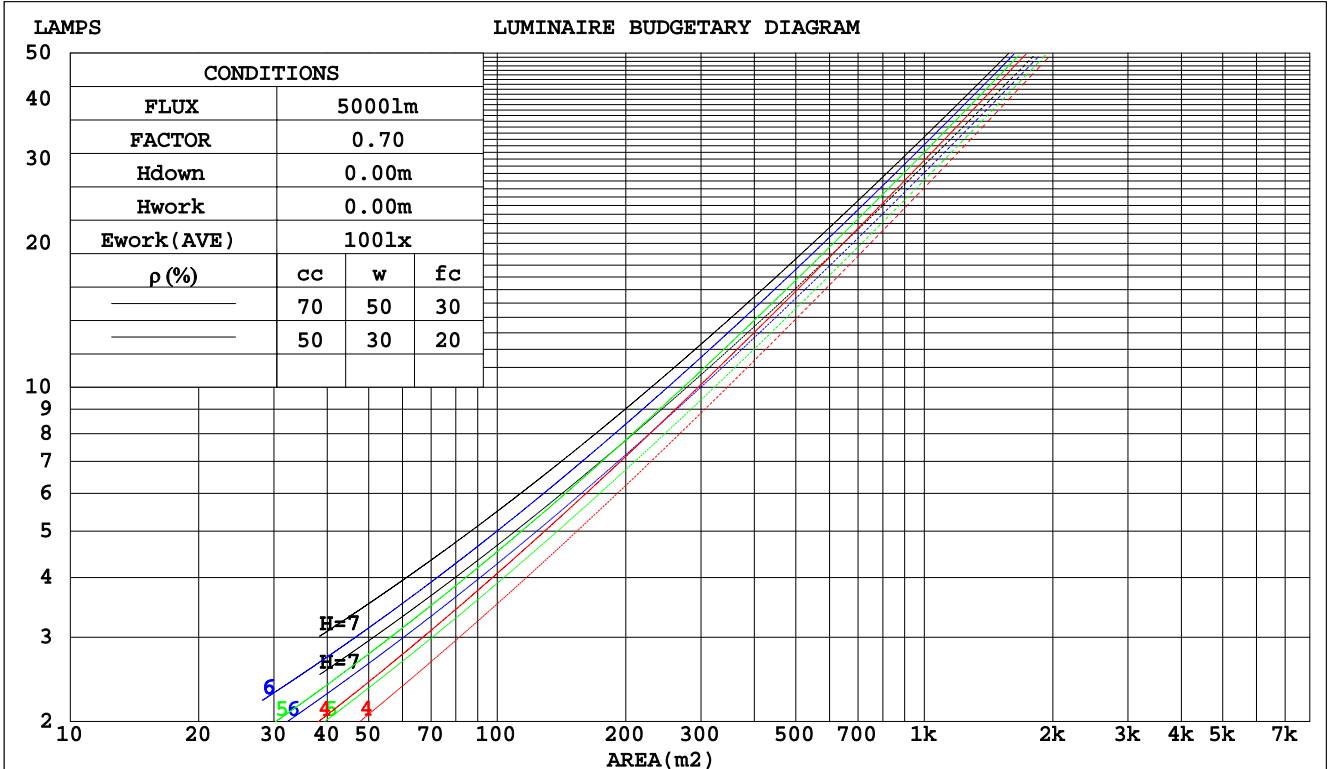
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 11 June 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρw																0
ρfc	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	.87	.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	.66	.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	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.47	.41	.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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

WEC AND CCEC

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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	.225	.128	.040	.218	.124	.039	.205	.118	.038	.193	.111	.036	.182	.106	.034	
2.0	.218	.120	.037	.212	.117	.036	.201	.112	.035	.191	.107	.034	.182	.103	.032	
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.185	.101	.031	.176	.098	.030	
4.0	.197	.103	.030	.193	.101	.030	.184	.098	.029	.177	.095	.029	.169	.092	.028	
5.0	.187	.095	.028	.183	.094	.027	.175	.091	.027	.169	.089	.026	.162	.087	.026	
6.0	.177	.089	.025	.174	.088	.025	.167	.086	.025	.161	.083	.025	.155	.081	.024	
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.153	.078	.023	.148	.077	.023	
8.0	.159	.078	.022	.156	.077	.022	.151	.075	.022	.146	.074	.021	.141	.073	.021	
9.0	.151	.073	.020	.149	.072	.020	.144	.071	.020	.139	.070	.020	.135	.069	.020	
10.0	.144	.069	.019	.142	.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	.154	.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	.050	.036	.024	.016	.012	.008	
5.0	.138	.090	.055	.118	.078	.047	.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: 25.0DEG  
 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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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	24.7	26.0	25.1	26.3	26.6	24.8	26.0	25.1	26.4	26.7
3H	25.3	26.5	25.7	26.8	27.2	25.4	26.6	25.8	26.9	27.3
4H	25.5	26.5	25.9	26.9	27.3	25.6	26.6	26.0	27.0	27.4
6H	25.5	26.5	25.9	26.8	27.2	25.6	26.6	26.0	27.0	27.4
8H	25.5	26.4	25.9	26.8	27.2	25.6	26.5	26.0	26.9	27.3
12H	25.5	26.3	25.9	26.7	27.1	25.6	26.5	26.0	26.8	27.3
4H 2H	24.9	26.0	25.3	26.3	26.7	24.9	26.0	25.3	26.3	26.7
3H	25.7	26.5	26.1	27.0	27.4	25.7	26.6	26.1	27.0	27.4
4H	25.9	26.6	26.3	27.1	27.5	25.9	26.7	26.4	27.1	27.6
6H	25.9	26.6	26.4	27.0	27.5	26.0	26.7	26.5	27.1	27.6
8H	25.9	26.5	26.4	27.0	27.5	26.0	26.6	26.5	27.1	27.5
12H	25.9	26.4	26.4	26.9	27.4	26.0	26.5	26.5	27.0	27.5
8H 4H	25.9	26.5	26.3	26.9	27.4	25.9	26.5	26.4	27.0	27.4
6H	26.0	26.5	26.5	27.0	27.4	26.0	26.5	26.5	27.0	27.5
8H	26.0	26.4	26.5	26.9	27.4	26.0	26.5	26.6	27.0	27.5
12H	25.9	26.3	26.5	26.8	27.4	26.0	26.4	26.6	26.9	27.5
12H 4H	25.8	26.4	26.3	26.9	27.3	25.9	26.4	26.4	26.9	27.4
6H	25.9	26.4	26.5	26.8	27.4	26.0	26.4	26.5	26.9	27.5
8H	25.9	26.3	26.5	26.8	27.4	26.0	26.4	26.5	26.9	27.5
CIE190: 2010										

CIE190: 2010  
 Area: 0.0433516 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 V2.00.416
Temperature: 25.0DEG	Humidity: 45.5%
Operators:Alan Wang	Test Distance:2.500m [K=1.0435]
Test Date:11 June 2022	Remarks:

## UTILIZATION FACTORS TABLE

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

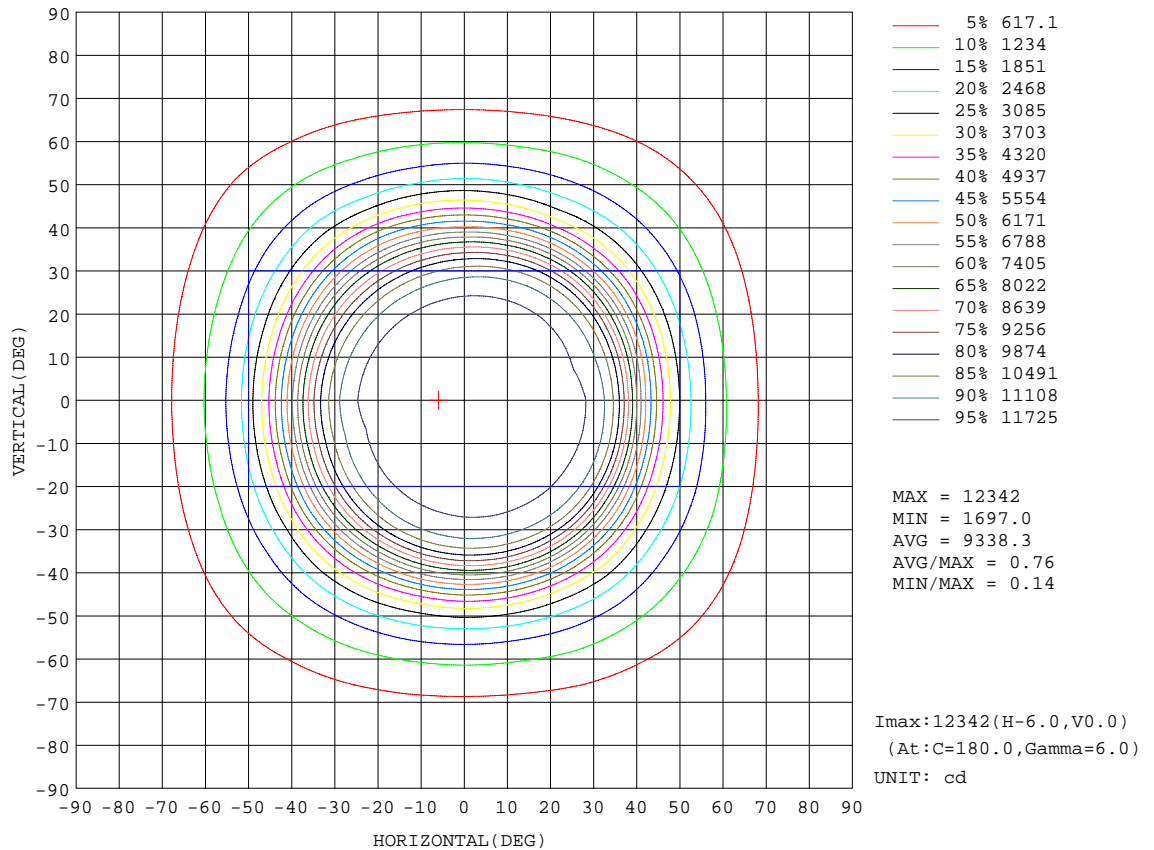
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	73	64	59	72	64	59	71	63	58	53
0.80	82	74	68	81	73	68	80	73	68	63
1.00	89	81	76	88	81	76	86	81	75	70
1.25	95	88	83	94	87	82	92	86	81	76
1.50	99	92	87	97	91	87	95	90	86	80
2.00	103	98	93	102	97	93	99	94	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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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

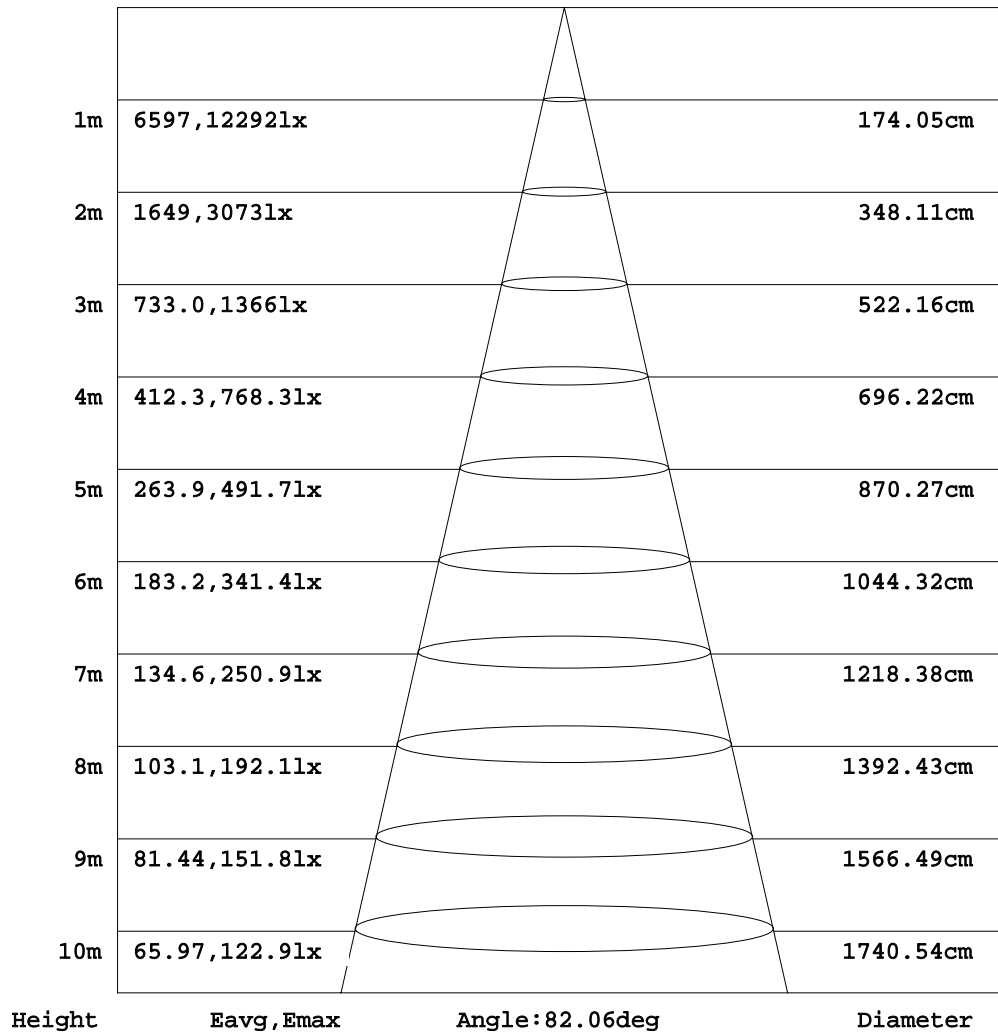
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:



AAI Figure

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

Flux out:16802 lm



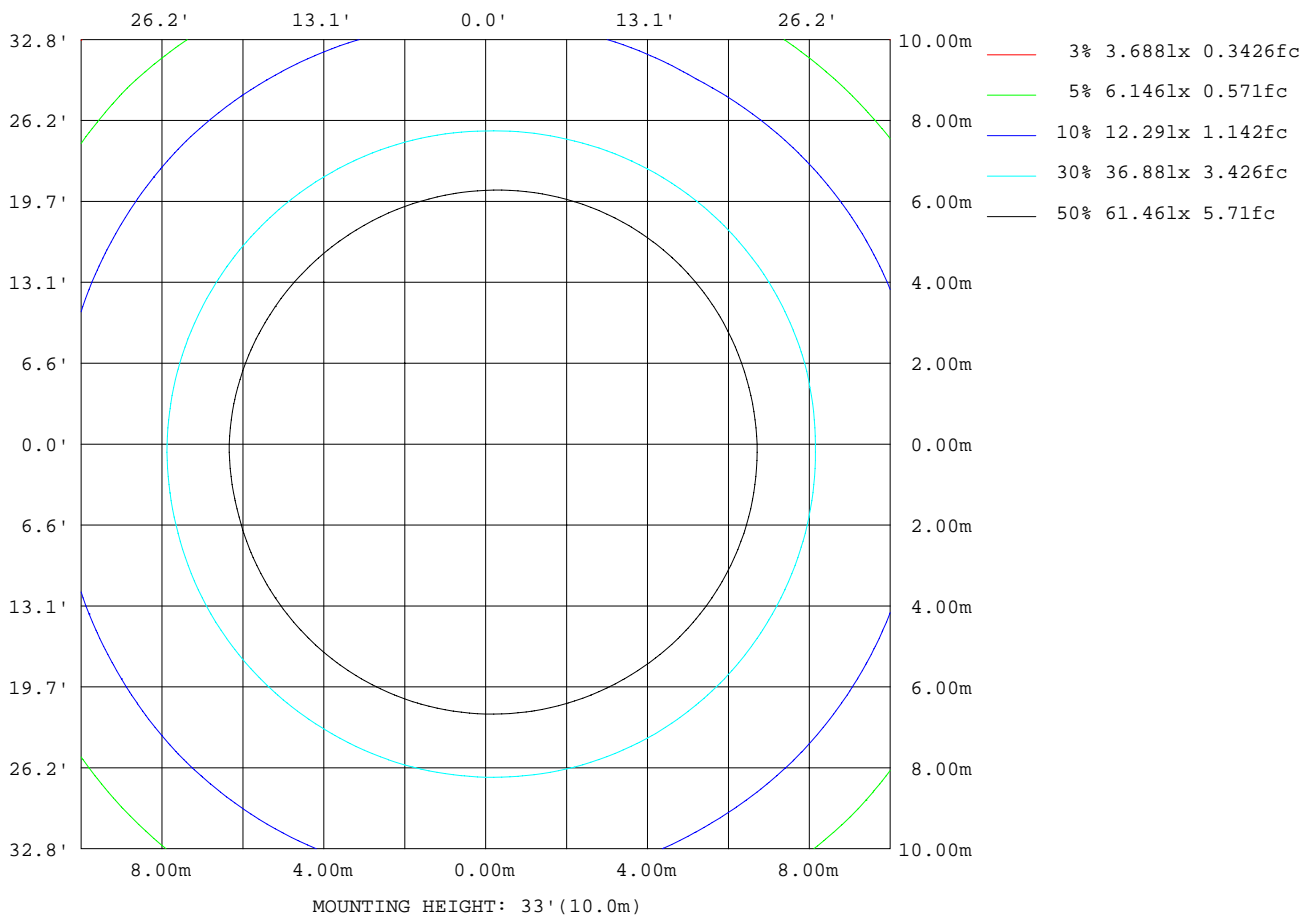
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

## LED Avg.L Report

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 lm		
NAME: LED UFO high bay	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

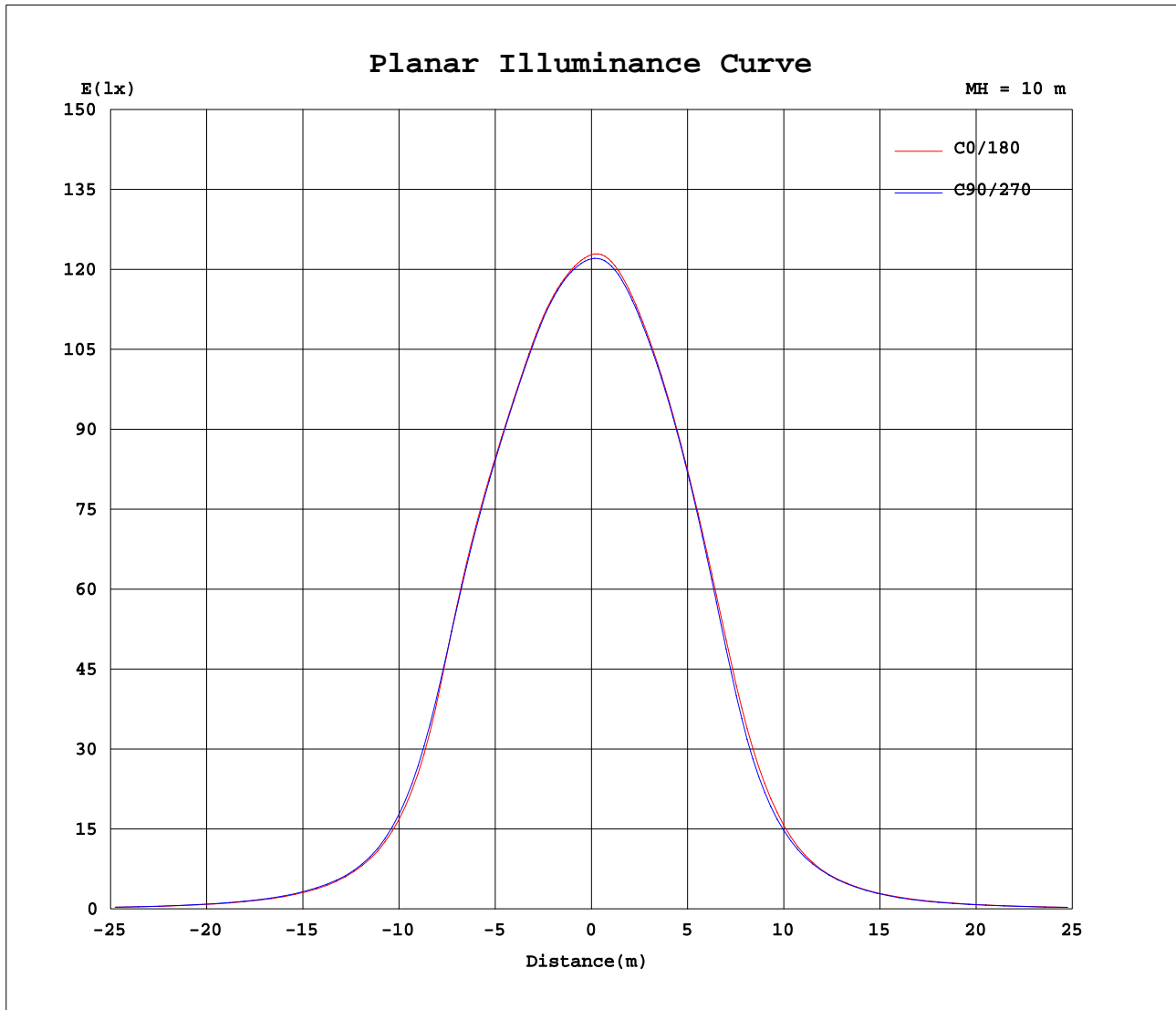
AvgL	cd/m2
L_0~180(65)av	45133
L_0~180(75)av	24052
L_0~180(85)av	11011
L_90~270(65)av	45558
L_90~270(75)av	24116
L_90~270(85)av	11020
L_45(65)av	44393
L_45(75)av	24067
L_45(85)av	10937

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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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	1228	1226	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1228	1226	1224	1223	1222	1221	1220
5	1220	1216	1213	1212	1212	1214	1215	1217	1219	1220	1221	1221	1234	1233	1232	1231	1229	1228	1226
10	1218	1214	1211	1210	1211	1213	1215	1218	1219	1219	1219	1218	1231	1229	1228	1226	1225	1224	1223
15	1217	1214	1211	1210	1210	1211	1212	1212	1212	1211	1210	1209	1222	1220	1218	1217	1217	1216	1215
20	1205	1203	1201	1200	1200	1201	1201	1199	1199	1198	1197	1194	1206	1203	1201	1200	1199	1200	1200
25	1190	1188	1186	1185	1185	1186	1184	1181	1178	1174	1168	1161	1169	1163	1157	1154	1154	1158	1164
30	1154	1158	1158	1157	1154	1151	1145	1137	1127	1113	1099	1086	1087	1073	1061	1053	1054	1061	1076
35	1032	1045	1050	1051	1044	1036	1024	1007	986	965	944	924	919	900	882	870	867	873	888
40	738	755	768	783	789	784	770	753	729	713	701	680	670	654	641	635	633	630	626
45	475	478	495	500	506	507	503	488	480	472	464	447	443	430	425	427	425	416	417
50	307	308	311	322	317	318	319	311	311	305	288	286	282	278	275	281	271	273	277
55	201	207	205	211	210	210	211	209	203	198	189	189	189	184	187	186	182	181	185
60	132	139	135	138	141	138	140	138	135	129	127	124	127	124	125	125	121	121	120
65	84.4	88.3	87.2	86.7	90.4	89.0	89.6	88.6	86.1	82.0	81.0	79.3	80.9	79.2	81.4	78.7	78.6	77.8	77.3
70	50.8	53.2	51.8	52.2	54.4	53.6	53.9	54.3	52.4	49.6	49.4	48.3	49.5	48.9	49.7	47.9	48.0	47.3	46.9
75	26.7	27.9	27.7	28.7	29.4	29.0	29.1	29.3	28.7	27.6	27.1	26.2	27.3	26.8	26.8	26.1	25.6	25.2	25.0
80	12.0	12.7	12.6	13.1	13.5	13.4	13.6	13.6	13.3	12.6	12.4	12.0	12.5	12.4	12.2	11.8	11.6	11.6	11.4
85	3.78	4.06	4.22	4.42	4.61	4.63	4.77	4.84	4.72	4.59	4.45	4.24	4.54	4.34	4.14	3.96	3.81	3.66	3.55
90	0.90	0.93	0.94	0.83	0.84	0.84	0.85	0.92	0.87	0.86	0.87	0.88	0.89	0.91	0.92	0.94	0.95	0.92	0.89
95	0.04	0.03	0.06	0.24	0.23	0.23	0.22	0.21	0.22	0.23	0.03	0.03	0.07	0.07	0.23	0.30	0.30	0.29	0.26
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	0.04	0.09	0.09	0.09	0.09	0.09	0.09
105	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12
110	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.15	0.15	0.15	0.15	0.16	0.16	0.16
115	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.20	0.20	0.21	0.22	0.22	0.22	0.22
120	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.16	0.31	0.31	0.32	0.33	0.33	0.33	0.33
125	0.22	0.22	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.45	0.46	0.47	0.48	0.49	0.49	0.49
130	0.31	0.30	0.29	0.30	0.31	0.29	0.30	0.31	0.32	0.31	0.32	0.32	0.60	0.61	0.63	0.65	0.67	0.67	0.67
135	0.41	0.40	0.40	0.39	0.41	0.40	0.40	0.42	0.42	0.41	0.41	0.42	0.73	0.75	0.78	0.81	0.83	0.84	0.83
140	0.50	0.49	0.49	0.51	0.52	0.52	0.50	0.52	0.52	0.51	0.49	0.51	0.85	0.86	0.89	0.95	0.97	0.97	0.95
145	0.58	0.61	0.60	0.60	0.63	0.64	0.62	0.63	0.61	0.60	0.58	0.59	0.95	0.98	1.02	1.08	1.10	1.11	1.09
150	0.68	0.71	0.70	0.70	0.71	0.71	0.71	0.70	0.69	0.68	0.66	0.68	1.07	1.10	1.10	1.17	1.19	1.20	1.19
155	0.80	0.84	0.85	0.80	0.80	0.82	0.81	0.80	0.80	0.79	0.82	0.78	1.18	1.19	1.24	1.25	1.27	1.29	1.27
160	0.92	0.94	0.94	0.91	0.88	0.89	0.85	0.90	0.89	0.91	0.92	0.92	1.34	1.33	1.35	1.37	1.35	1.36	1.34
165	1.00	1.04	1.05	1.02	0.99	0.98	0.95	0.99	1.01	1.02	1.00	1.02	1.39	1.39	1.40	1.43	1.44	1.41	1.39
170	1.09	1.12	1.13	1.11	1.06	1.05	1.04	1.06	1.06	1.06	1.06	1.09	1.43	1.43	1.45	1.46	1.45	1.44	1.39
175	1.24	1.28	1.28	1.26	1.22	1.18	1.14	1.18	1.19	1.20	1.21	1.24	1.43	1.43	1.45	1.46	1.43	1.41	1.38
180	1.39	1.45	1.44	1.43	1.38	1.34	1.28	1.28	1.29	1.30	1.34	1.35	1.39	1.38	1.42	1.41	1.39	1.35	1.33

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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.5450A P:150.62W PF:0.9978 Freq:60.00Hz Lamp Flux:22200x1 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	1219	1218	1217	1216	1215														
5	1223	1221	1217	1214	1210														
10	1222	1220	1217	1214	1210														
15	1214	1213	1211	1209	1206														
20	1201	1200	1199	1197	1195														
25	1170	1176	1179	1180	1179														
30	1094	1110	1123	1133	1139														
35	912	944	973	995	1015														
40	638	662	685	715	737														
45	414	415	431	456	471														
50	272	269	280	288	300														
55	183	183	187	192	200														
60	120	122	123	127	129														
65	76.6	77.8	78.0	80.3	81.7														
70	46.7	47.0	47.9	48.2	50.1														
75	24.7	25.0	25.7	26.1	27.1														
80	11.1	11.1	11.7	11.6	11.8														
85	3.48	3.45	3.56	3.66	3.82														
90	0.86	0.83	0.81	0.80	0.80														
95	0.23	0.22	0.20	0.06	0.06														
100	0.09	0.09	0.09	0.09	0.09														
105	0.12	0.12	0.12	0.11	0.11														
110	0.15	0.15	0.15	0.14	0.14														
115	0.21	0.21	0.20	0.19	0.19														
120	0.32	0.31	0.31	0.30	0.29														
125	0.48	0.46	0.44	0.43	0.42														
130	0.66	0.64	0.60	0.58	0.57														
135	0.82	0.78	0.75	0.72	0.71														
140	0.94	0.92	0.89	0.85	0.82														
145	1.05	1.04	1.02	0.97	0.96														
150	1.17	1.14	1.12	1.09	1.08														
155	1.27	1.24	1.22	1.23	1.20														
160	1.32	1.33	1.31	1.34	1.32														
165	1.37	1.38	1.38	1.39	1.39														
170	1.39	1.38	1.35	1.37	1.40														
175	1.33	1.36	1.33	1.37	1.38														
180	1.31	1.27	1.28	1.30	1.32														

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: 45.5%  
 Test Distance: 2.500m [K=1.0435]  
 Remarks: