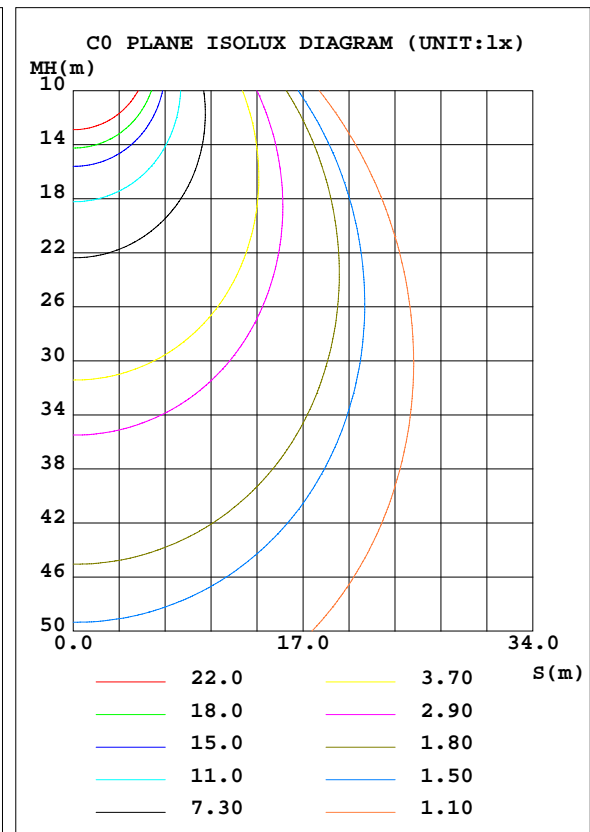
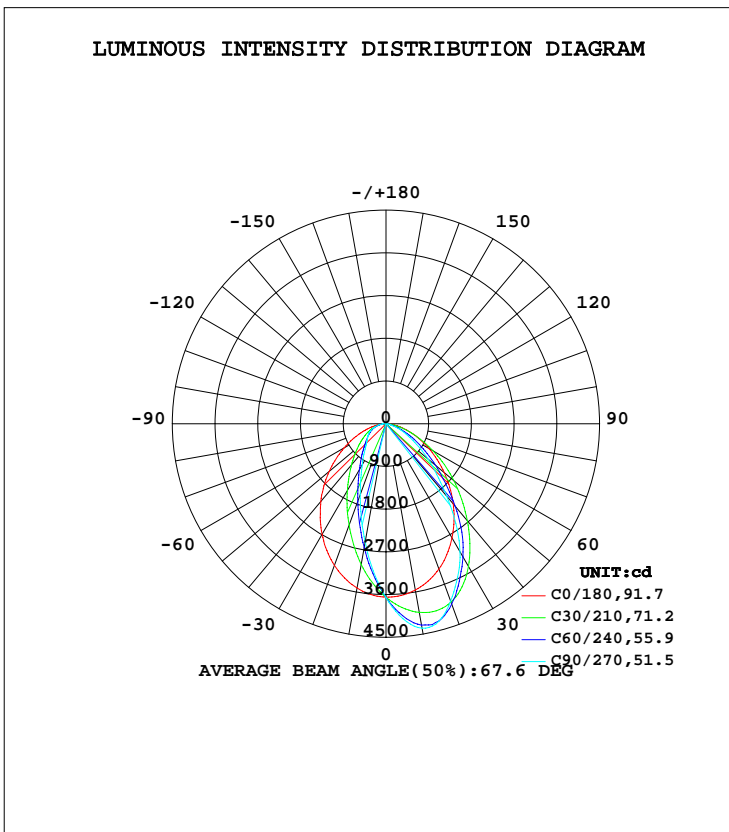


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.20 lm/W			
MODEL	ASD-WLP02A-50DAC-PC-BK	I <sub>max</sub> (cd)	4386	S/MH(C0/180)	1.12
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	6644.3	η UP, DN(C0-180)	0.0,64.4
NOMINAL FLUX(lm)	6644.27	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,35.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	3557	4199	4373	4180	3514	2803	2535	2840	0- 10	341.9	341.9	5.15,5.15
20	3259	4084	3980	4062	3178	1962	1588	2015	10- 20	923.1	1265	19,19
30	2782	3363	3121	3361	2691	1311	1003	1357	20- 30	1242	2507	37.7,37.7
40	2204	2513	1994	2535	2135	887.6	677.0	920.1	30- 40	1286	3794	57.1,57.1
50	1602	1636	1161	1689	1559	617.2	518.7	638.1	40- 50	1113	4906	73.8,73.8
60	1046	913.7	585.1	964.1	1021	426.5	420.5	436.2	50- 60	843.2	5750	86.5,86.5
70	576.2	417.1	243.5	446.9	566.6	281.1	298.9	283.3	60- 70	548.0	6298	94.8,94.8
80	216.0	86.05	34.43	98.51	221.8	143.3	153.3	143.3	70- 80	271.8	6569	98.9,98.9
90	6.783	0.1609	0.1519	0.1630	3.550	21.70	28.55	20.27	80- 90	65.91	6635	99.9,99.9
100	0.3331	0.2179	0.2015	0.2303	0.6881	0.5966	0.4050	0.6418	90-100	1.863	6637	99.9,99.9
110	0.4669	0.2844	0.2583	0.3328	0.8953	0.8679	0.6279	0.9269	100-110	0.5353	6638	99.9,99.9
120	0.7067	0.3954	0.3526	0.5108	1.172	1.310	1.069	1.332	110-120	0.6972	6638	99.9,99.9
130	1.047	0.6174	0.5057	0.7849	1.758	2.167	2.010	2.104	120-130	0.9842	6639	99.9,99.9
140	1.410	0.9965	0.8188	1.180	2.209	2.917	3.033	2.816	130-140	1.280	6641	99.9,99.9
150	1.731	1.558	1.330	1.617	2.691	3.317	3.763	3.303	140-150	1.362	6642	100,100
160	2.225	2.189	1.909	2.140	3.189	3.437	3.830	3.505	150-160	1.208	6643	100,100
170	2.548	2.690	2.427	2.422	3.368	3.243	3.232	3.080	160-170	0.8167	6644	100,100
180	3.198	3.067	2.772	2.649	3.189	3.129	2.832	2.678	170-180	0.2718	6644	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4379.8 lm

%lum = 65.9%

%lamp = 65.9%

Conical surface Flux(120deg): 5749.5 lm

%lum = 86.5%

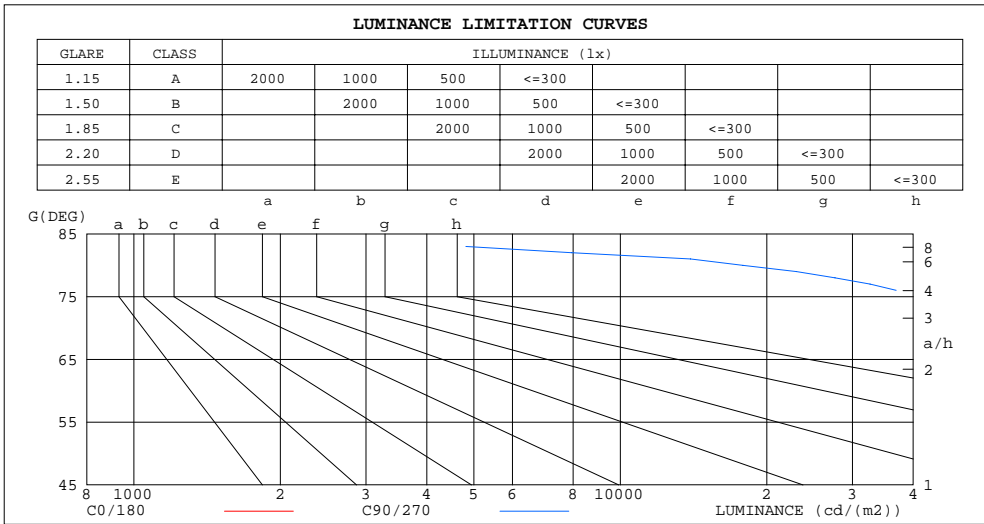
%lamp = 86.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	86389	156
80	112062	17864
75	132609	40682
70	151780	64146
65	170298	84160
60	188492	105431
55	206654	131274
50	224590	162780
45	242185	192856

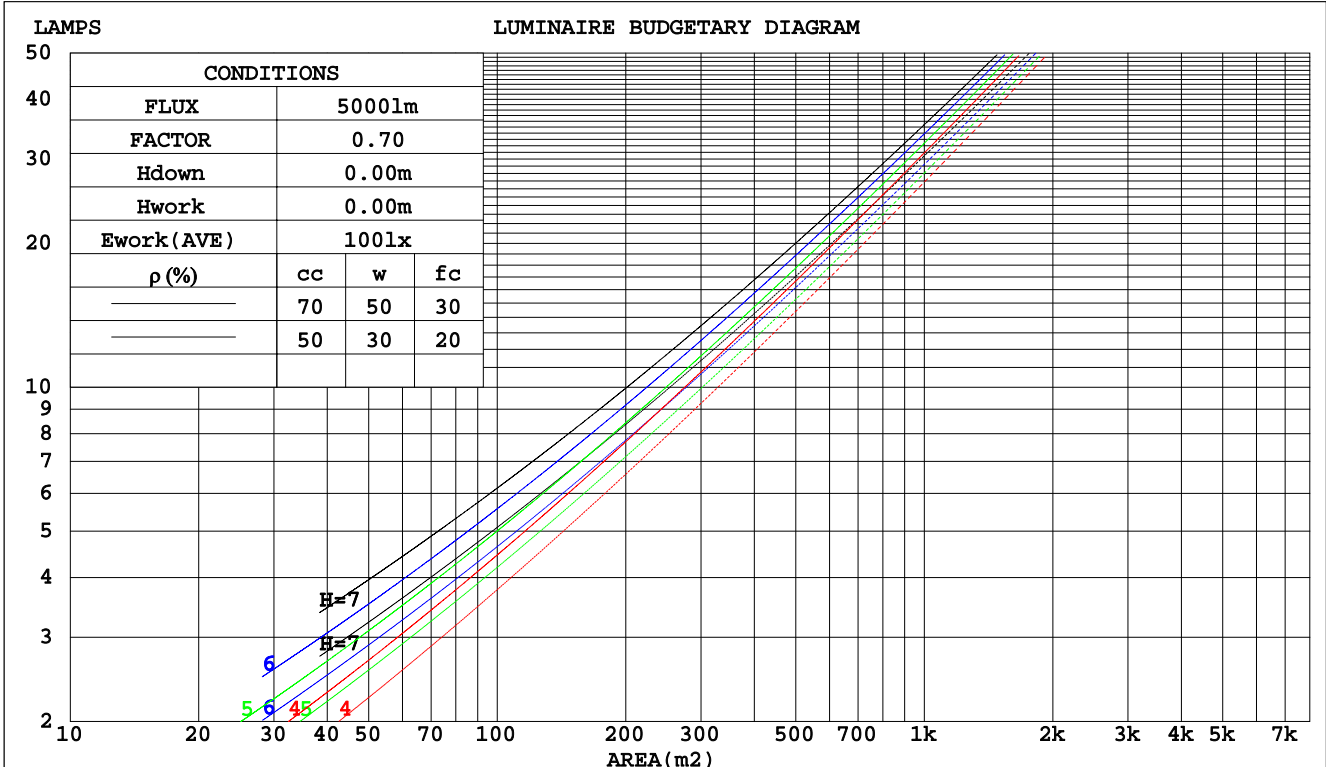
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	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	1.06	1.02	.99	1.04	1.01	.98	.90	.97	.94	.96	.94	.92	.92	.90	.89	.87
2.0	.94	.88	.83	.93	.87	.82	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.77	.71	.83	.76	.71	.80	.74	.70	.77	.72	.68	.75	.71	.67	.65
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.48	.60	.53	.48	.58	.52	.48	.57	.51	.47	.45
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.52	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.39	.51	.44	.39	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.37	.33	.31



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

## WEC AND CCEC

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.265	.151	.048	.258	.147	.047	.245	.141	.045	.233	.134	.043	.222	.129	.041	
2.0	.253	.139	.043	.247	.136	.042	.236	.131	.041	.225	.126	.040	.215	.122	.038	
3.0	.237	.126	.038	.232	.124	.037	.222	.120	.037	.213	.117	.036	.204	.113	.035	
4.0	.222	.115	.034	.217	.114	.034	.208	.110	.033	.200	.107	.032	.192	.104	.032	
5.0	.207	.105	.031	.203	.104	.030	.195	.102	.030	.188	.099	.029	.181	.097	.029	
6.0	.194	.097	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	.170	.090	.027	
7.0	.182	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.161	.084	.025	
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.157	.080	.023	.152	.078	.023	
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.021	.149	.074	.021	.144	.073	.021	
10.0	.152	.073	.020	.150	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.178	.158	.139	.153	.135	.120	.104	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.168	.133	.104	.144	.115	.090	.099	.079	.063	.057	.046	.037	.018	.015	.012	
3.0	.159	.115	.080	.137	.099	.069	.094	.069	.049	.054	.040	.029	.017	.013	.009	
4.0	.151	.101	.063	.130	.088	.055	.089	.061	.039	.052	.036	.023	.017	.012	.008	
5.0	.144	.091	.052	.123	.078	.045	.085	.055	.032	.049	.032	.019	.016	.011	.006	
6.0	.137	.082	.043	.117	.071	.038	.081	.050	.027	.047	.029	.016	.015	.010	.005	
7.0	.130	.075	.037	.112	.065	.032	.077	.046	.023	.045	.027	.013	.014	.009	.004	
8.0	.124	.069	.032	.107	.060	.028	.074	.042	.020	.043	.025	.012	.014	.008	.004	
9.0	.118	.064	.028	.102	.056	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.113	.060	.025	.097	.052	.022	.067	.037	.015	.039	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 March 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 44.6%  
Test Distance: 2.500m [K=1.0477]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm										
NAME: LED Wallpack					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	32.3	33.7	32.6	34.1	34.4	28.0	29.5	28.4	29.8	30.2
3H	33.6	34.9	34.0	35.2	35.6	28.8	30.1	29.2	30.4	30.8
4H	34.0	35.3	34.4	35.6	36.0	28.9	30.1	29.3	30.5	30.9
6H	34.3	35.4	34.7	35.8	36.2	28.9	30.0	29.3	30.4	30.8
8H	34.4	35.4	34.8	35.8	36.2	28.9	30.0	29.3	30.3	30.8
12H	34.4	35.4	34.8	35.8	36.2	28.8	29.9	29.3	30.3	30.7
4H 2H	32.4	33.6	32.8	34.0	34.4	29.0	30.2	29.4	30.5	30.9
3H	33.9	35.0	34.3	35.4	35.8	29.8	30.9	30.2	31.3	31.7
4H	34.5	35.4	34.9	35.8	36.3	30.0	30.9	30.4	31.3	31.8
6H	34.9	35.7	35.3	36.1	36.6	30.0	30.8	30.5	31.2	31.7
8H	35.0	35.7	35.4	36.2	36.6	30.0	30.7	30.4	31.2	31.6
12H	35.0	35.7	35.5	36.2	36.7	29.9	30.6	30.4	31.1	31.5
8H 4H	34.5	35.2	34.9	35.7	36.1	30.4	31.1	30.8	31.6	32.0
6H	34.9	35.5	35.4	36.0	36.5	30.4	31.0	30.9	31.5	32.0
8H	35.0	35.6	35.6	36.1	36.6	30.3	30.9	30.9	31.4	31.9
12H	35.1	35.6	35.6	36.1	36.7	30.3	30.8	30.8	31.3	31.9
12H 4H	34.4	35.1	34.9	35.6	36.1	30.4	31.1	30.9	31.6	32.0
6H	34.9	35.4	35.4	35.9	36.4	30.4	31.0	31.0	31.5	32.0
8H	35.0	35.5	35.5	36.0	36.6	30.4	30.9	30.9	31.4	32.0
CIE190: 2010										

CIE190: 2010  
Area: 0.0111 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 24 March 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 44.6%  
Test Distance: 2.500m [K=1.0477]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

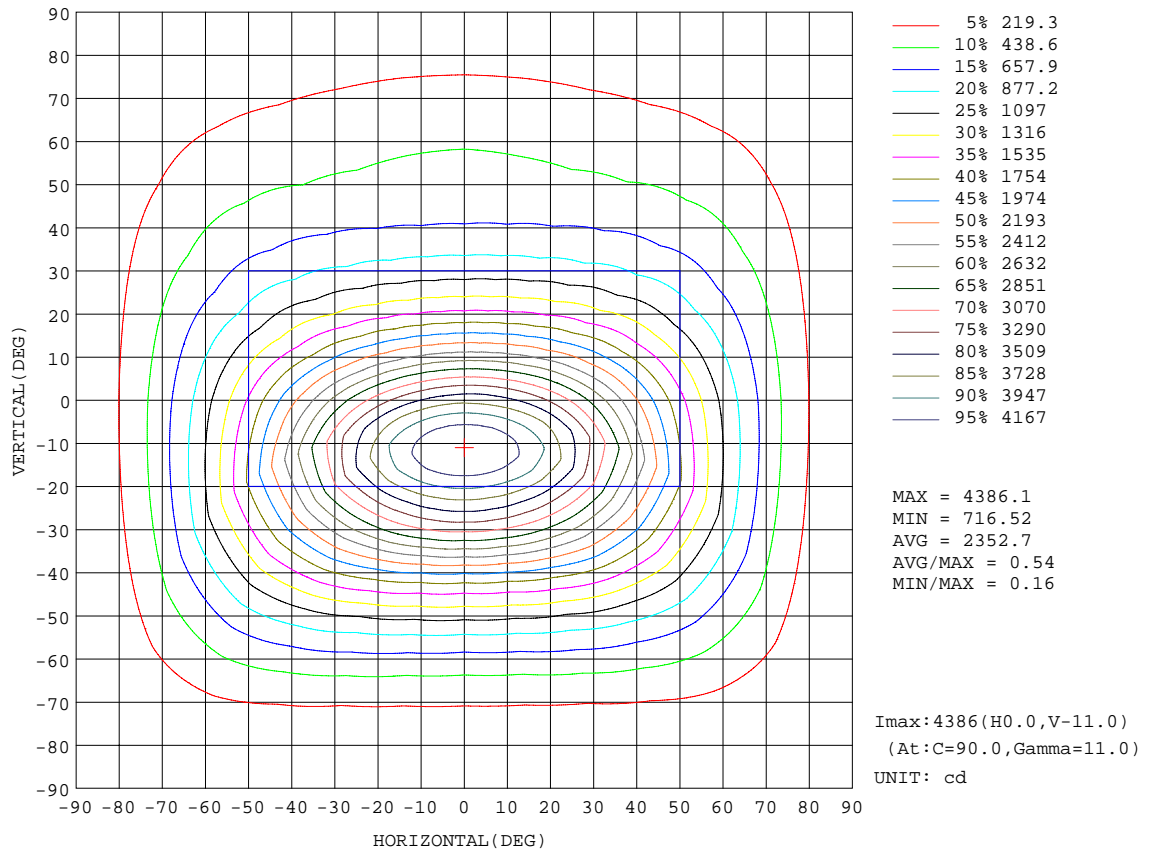
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	65	55	48	64	54	48	63	54	48	42
0.80	75	64	58	74	64	58	72	63	57	51
1.00	82	73	66	81	72	66	79	73	66	59
1.25	89	80	74	87	79	73	85	78	73	66
1.50	93	85	79	92	84	78	89	82	77	71
2.00	99	92	86	97	91	86	94	89	84	77
2.50	102	96	91	100	94	90	97	92	88	80
3.00	105	99	95	103	98	94	99	95	91	84
4.00	109	104	100	106	102	98	102	99	96	87
5.00	111	106	103	108	105	101	104	101	98	90
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: 24 March 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	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: 24 March 2022

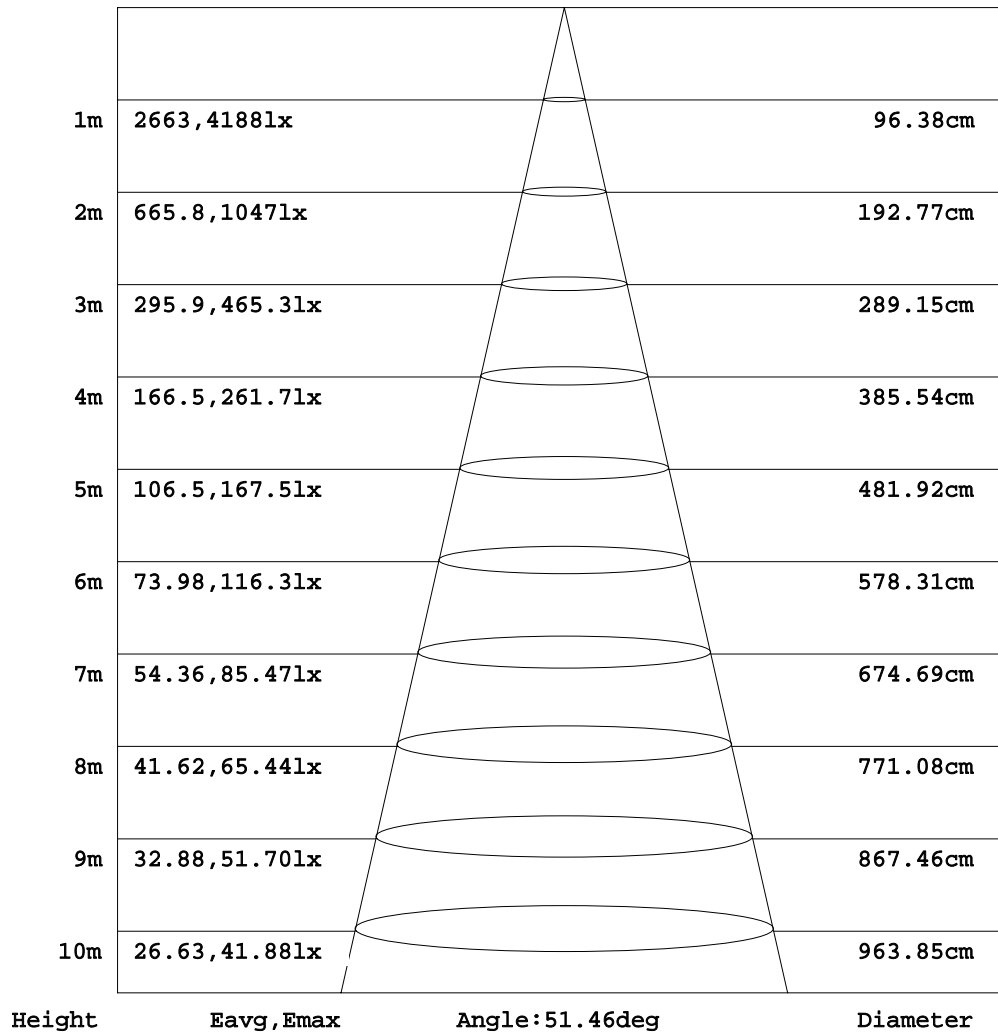
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:



AAI Figure

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

Flux out:1990 lm



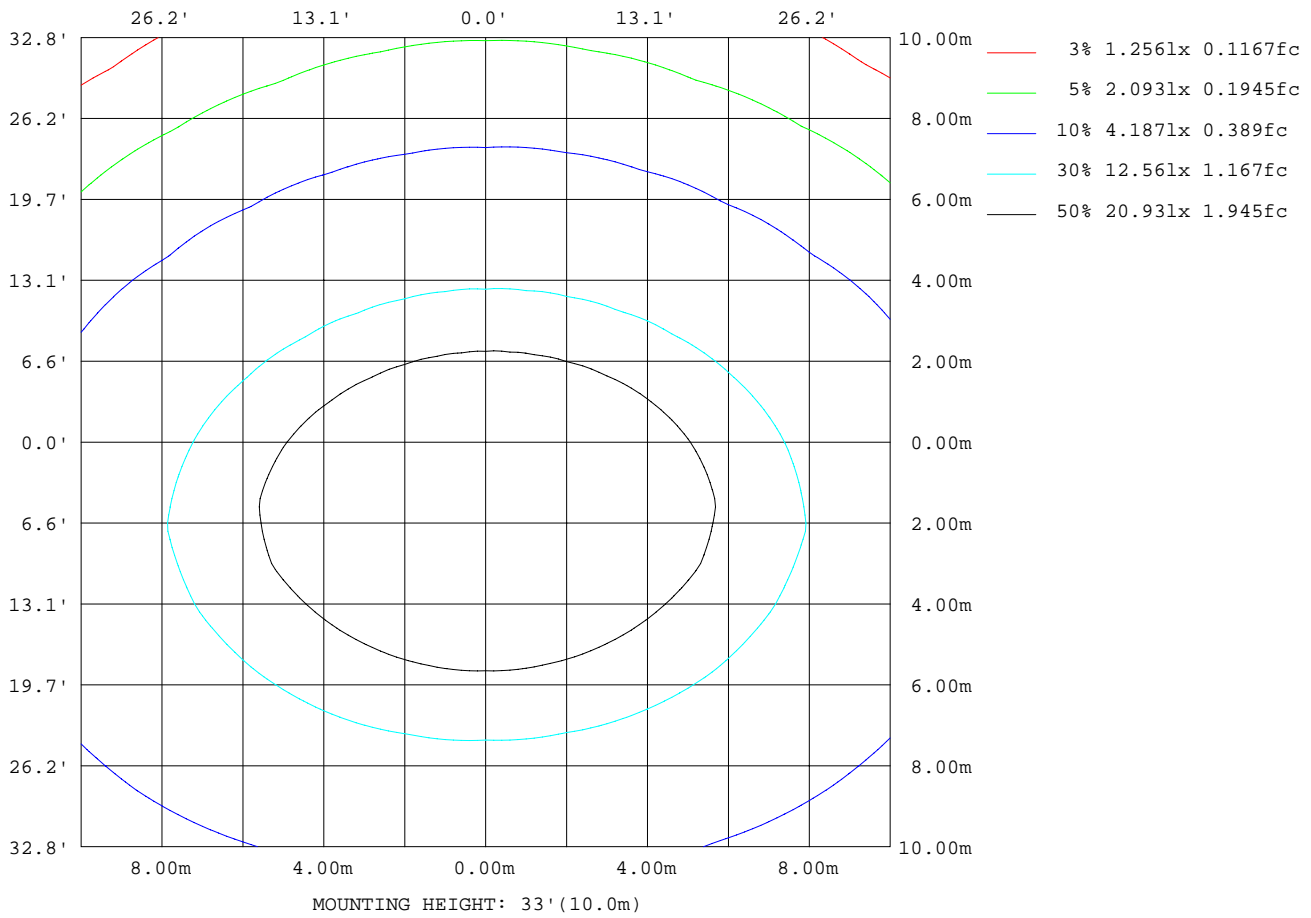
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	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: 24 March 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

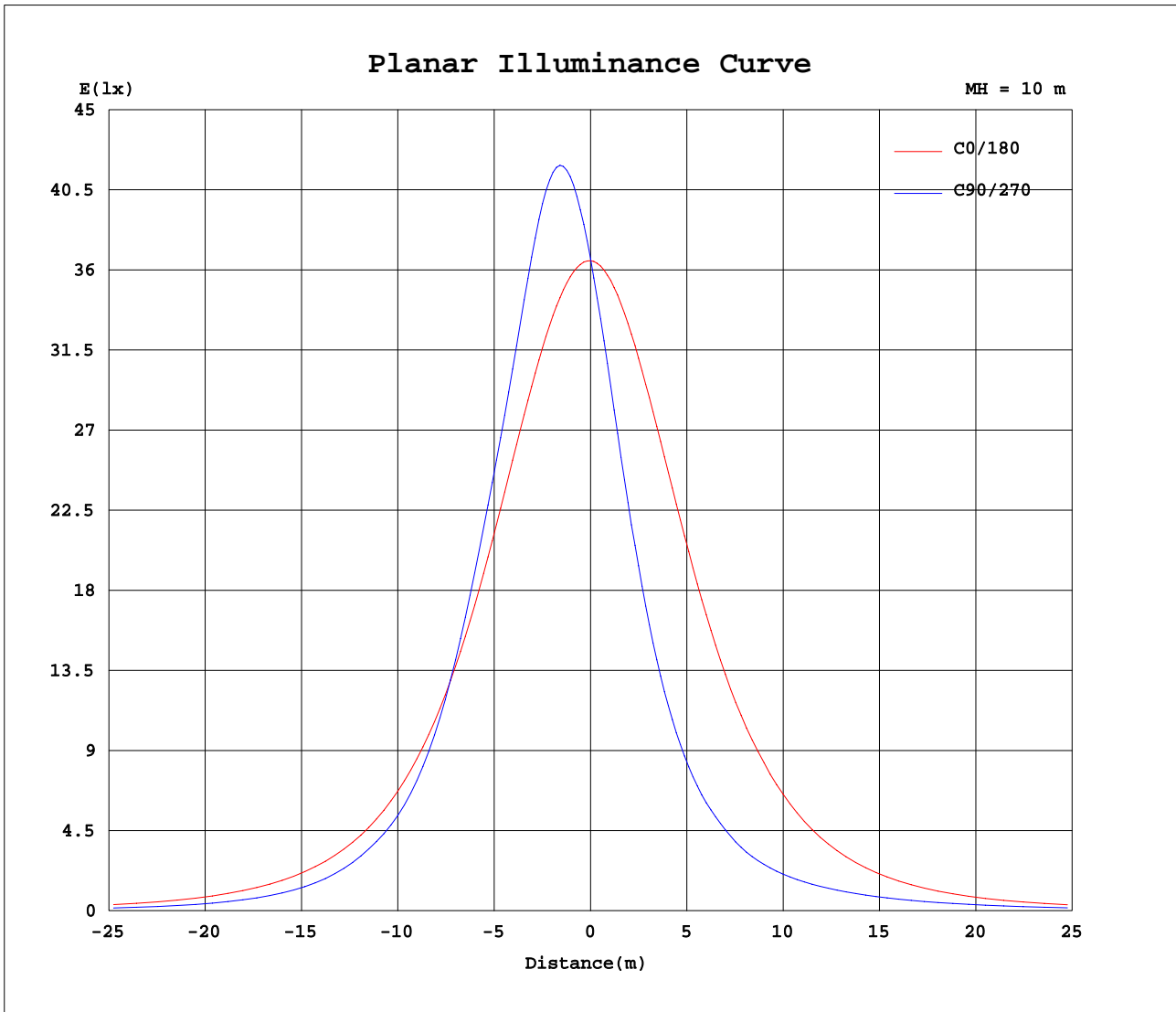
AvgL	cd/m2
L_0~180(65)av	168326
L_0~180(75)av	132344
L_0~180(85)av	90438
L_90~270(65)av	80850
L_90~270(75)av	59694
L_90~270(85)av	43767
L_45(65)av	107983
L_45(75)av	78938
L_45(85)av	45302

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	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	3652	3654	3656	3657	3658	3664	3664	3664	3662	3663	3662	3660	3652	3654	3656	3657	3658	3664	3664
5	3632	3762	3886	3985	4059	4106	4123	4106	4056	3978	3878	3751	3612	3479	3357	3252	3171	3129	3111
10	3557	3811	4033	4199	4308	4356	4373	4353	4295	4180	4007	3776	3514	3253	3010	2803	2649	2562	2535
15	3433	3795	4081	4240	4304	4304	4310	4308	4290	4217	4024	3742	3365	2988	2639	2359	2167	2056	2024
20	3259	3706	3999	4084	4046	3999	3980	4002	4049	4062	3955	3635	3178	2699	2274	1962	1743	1622	1588
25	3038	3541	3793	3765	3659	3590	3570	3593	3662	3757	3752	3468	2949	2399	1942	1606	1395	1287	1255
30	2782	3301	3473	3363	3244	3154	3121	3162	3247	3361	3455	3239	2691	2108	1630	1311	1125	1030	1003
35	2500	3006	3082	2943	2787	2621	2563	2640	2804	2949	3089	2959	2416	1821	1359	1076	918	850	827
40	2204	2674	2665	2513	2269	2061	1994	2086	2305	2535	2689	2642	2135	1550	1130	888	764	693	677
45	1901	2316	2257	2064	1773	1571	1514	1594	1815	2106	2289	2312	1851	1299	937	743	632	590	581
50	1602	1952	1868	1636	1368	1207	1161	1223	1405	1689	1907	1960	1559	1073	777	617	537	520	519
55	1316	1595	1502	1251	1009	876	836	893	1036	1307	1547	1616	1283	873	640	512	466	466	469
60	1046	1254	1149	914	728	617	585	630	754	964	1199	1283	1021	695	522	426	405	415	421
65	799	945	838	639	497	414	395	423	520	678	885	970	780	540	418	352	345	359	364
70	576	667	570	417	310	256	244	263	327	447	609	687	567	402	323	281	281	294	299
75	381	427	346	231	157	125	117	129	168	253	374	443	379	282	236	211	212	223	226
80	216	227	158	86.0	50.4	37.1	34.4	39.3	55.4	98.5	178	238	222	175	155	143	144	151	153
85	83.6	62.2	19.3	8.04	0.50	0.29	0.15	0.24	4.86	11.4	27.3	73.2	91.4	84.2	81.5	78.5	80.1	83.5	84.5
90	6.78	1.25	0.21	0.16	0.15	0.15	0.15	0.16	0.16	0.16	0.29	1.33	3.55	10.2	18.4	21.7	24.5	28.0	28.6
95	0.27	0.24	0.21	0.19	0.18	0.17	0.18	0.18	0.18	0.19	0.21	0.24	0.55	0.58	0.54	0.56	0.73	1.12	1.24
100	0.33	0.29	0.24	0.22	0.21	0.20	0.20	0.21	0.21	0.23	0.26	0.30	0.69	0.74	0.70	0.60	0.49	0.42	0.41
105	0.39	0.34	0.28	0.25	0.24	0.23	0.23	0.24	0.25	0.28	0.32	0.37	0.81	0.88	0.85	0.75	0.63	0.55	0.53
110	0.47	0.40	0.32	0.28	0.27	0.26	0.26	0.27	0.29	0.33	0.40	0.46	0.90	0.97	0.95	0.87	0.75	0.66	0.63
115	0.56	0.48	0.38	0.33	0.30	0.30	0.30	0.32	0.35	0.41	0.50	0.57	1.00	1.07	1.09	1.04	0.92	0.82	0.79
120	0.71	0.60	0.47	0.40	0.37	0.35	0.35	0.38	0.43	0.51	0.63	0.72	1.17	1.27	1.33	1.31	1.20	1.10	1.07
125	0.87	0.74	0.59	0.49	0.44	0.41	0.42	0.44	0.52	0.63	0.77	0.88	1.46	1.58	1.67	1.70	1.61	1.50	1.48
130	1.05	0.90	0.73	0.62	0.55	0.50	0.51	0.54	0.64	0.78	0.94	1.05	1.76	1.91	2.06	2.17	2.13	2.05	2.01
135	1.23	1.11	0.94	0.79	0.71	0.64	0.65	0.70	0.81	0.97	1.14	1.25	2.03	2.20	2.40	2.57	2.59	2.60	2.57
140	1.41	1.32	1.17	1.00	0.89	0.82	0.82	0.88	1.00	1.18	1.31	1.44	2.21	2.43	2.64	2.92	2.99	3.06	3.03
145	1.60	1.55	1.41	1.26	1.15	1.08	1.05	1.12	1.25	1.40	1.49	1.59	2.49	2.65	2.86	3.18	3.37	3.48	3.48
150	1.73	1.78	1.69	1.56	1.44	1.36	1.33	1.40	1.50	1.62	1.65	1.68	2.69	2.79	2.96	3.32	3.58	3.78	3.76
155	1.96	2.08	2.04	1.90	1.80	1.72	1.67	1.77	1.85	1.90	1.93	1.85	2.91	2.89	3.15	3.36	3.65	3.90	3.85
160	2.22	2.33	2.30	2.19	2.07	2.01	1.91	2.08	2.11	2.14	2.11	2.02	3.19	3.16	3.21	3.44	3.58	3.81	3.83
165	2.40	2.54	2.58	2.53	2.43	2.33	2.26	2.39	2.43	2.42	2.33	2.20	3.28	3.28	3.25	3.37	3.52	3.59	3.66
170	2.55	2.68	2.72	2.69	2.57	2.50	2.43	2.53	2.52	2.42	2.33	2.28	3.37	3.36	3.29	3.24	3.23	3.28	3.23
175	2.81	2.90	2.90	2.85	2.73	2.65	2.57	2.59	2.61	2.57	2.51	2.51	3.30	3.30	3.27	3.18	3.07	3.03	2.96
180	3.20	3.26	3.15	3.07	2.94	2.83	2.77	2.61	2.63	2.65	2.66	2.76	3.19	3.19	3.22	3.13	3.05	2.92	2.83

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4297A P:51.030W PF:0.9896 Freq:60.00Hz Lamp Flux:6644.27x1 lm		
NAME: LED Wallpack	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	3664	3662	3663	3662	3660														
5	3132	3189	3272	3385	3512														
10	2574	2677	2840	3055	3306														
15	2070	2196	2408	2705	3064														
20	1637	1774	2015	2351	2793														
25	1298	1424	1656	2021	2502														
30	1040	1149	1357	1707	2201														
35	858	938	1113	1426	1923														
40	702	781	920	1185	1639														
45	594	644	764	985	1375														
50	521	545	638	811	1136														
55	465	469	528	666	922														
60	413	404	436	540	732														
65	356	342	357	429	564														
70	291	279	283	330	419														
75	221	210	212	238	290														
80	149	143	143	155	177														
85	82.3	78.4	77.3	79.3	81.8														
90	27.2	23.4	20.3	16.4	7.29														
95	1.07	0.67	0.56	0.57	0.60														
100	0.44	0.52	0.64	0.74	0.75														
105	0.56	0.67	0.80	0.90	0.89														
110	0.67	0.78	0.93	1.01	0.98														
115	0.84	0.95	1.09	1.15	1.09														
120	1.11	1.22	1.33	1.38	1.29														
125	1.50	1.58	1.69	1.68	1.57														
130	2.02	2.08	2.10	2.03	1.89														
135	2.56	2.55	2.48	2.34	2.16														
140	2.98	2.89	2.82	2.60	2.35														
145	3.37	3.29	3.08	2.81	2.60														
150	3.63	3.50	3.30	2.95	2.78														
155	3.78	3.61	3.39	3.21	3.03														
160	3.77	3.69	3.50	3.34	3.20														
165	3.56	3.56	3.46	3.30	3.21														
170	3.26	3.26	3.08	3.07	3.09														
175	2.87	2.93	2.80	2.89	2.92														
180	2.79	2.63	2.68	2.67	2.68														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 24 March 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks: