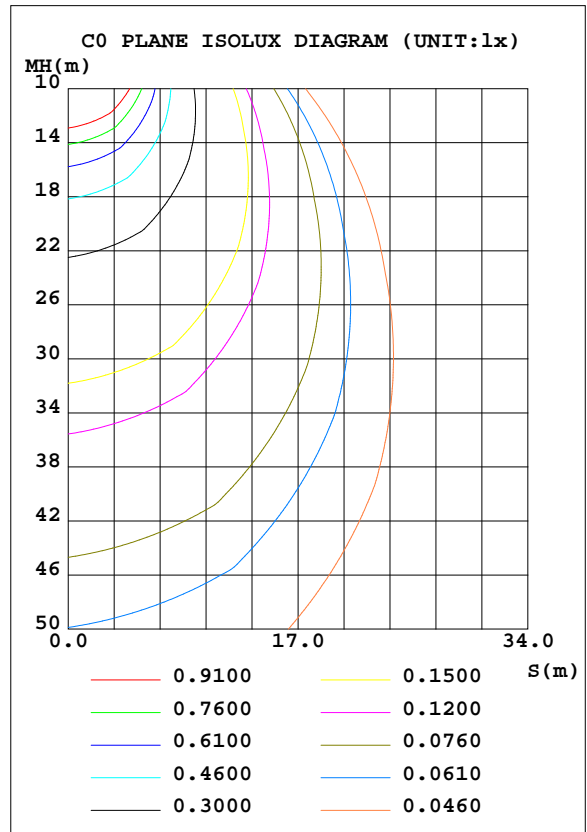
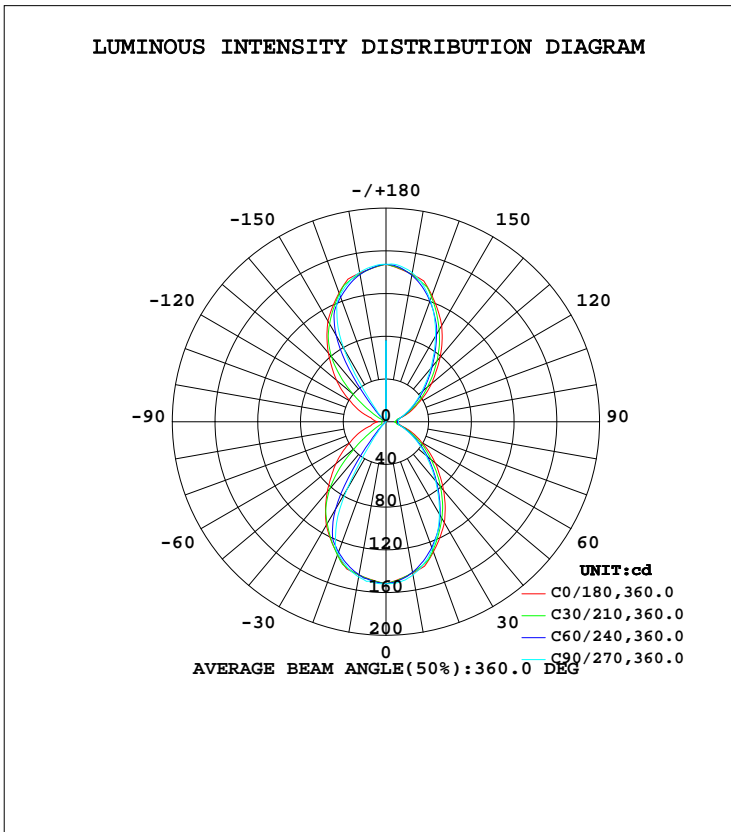


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 22.82 lm/W			
MODEL:ASD-LWS28S-MV-24D22CC-BK		I _{max} (cd)	151.7	S/MH(C0/180)	1.12
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	0.86
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	504.81	η UP, DN(C0-180)	28.7,30.3
NOMINAL FLUX(lm)	504.809	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	20.4,20.6
LAMPS INSIDE	1	η up(%)	49.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	50.9	CIBSE SHR MAX	1.05



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	143.9	143.3	145.7	144.4	145.7	145.7	147.6	144.7	0- 10	14.10	14.10	2.79,2.79
20	129.8	127.9	126.8	130.4	132.4	132.2	131.3	130.0	10- 20	38.94	53.03	10.5,10.5
30	109.3	102.4	99.99	104.5	111.9	105.7	73.34	103.4	20- 30	53.51	106.5	21.1,21.1
40	83.96	77.15	72.27	79.17	85.60	51.79	9.850	51.01	30- 40	50.68	157.2	31.1,31.1
50	60.37	53.08	48.70	54.74	61.31	6.962	0.0466	6.950	40- 50	38.37	195.6	38.7,38.7
60	38.56	33.82	30.69	35.39	39.01	0.9222	0.0308	1.332	50- 60	26.81	222.4	44.1,44.1
70	22.49	19.11	17.92	20.58	23.06	0.9037	0.0227	1.396	60- 70	17.21	239.6	47.5,47.5
80	12.46	10.10	11.59	11.06	12.72	0.9069	0.0207	1.389	70- 80	9.992	249.6	49.4,49.4
90	8.468	9.741	11.83	10.14	7.989	0.8148	0.0325	1.372	80- 90	7.463	257.1	50.9,50.9
100	11.82	10.32	11.73	11.22	12.44	0.7492	0.0200	1.378	90-100	7.421	264.5	52.4,52.4
110	20.60	18.20	17.39	20.01	22.62	0.6882	0.0213	1.428	100-110	9.811	274.3	54.3,54.3
120	34.81	30.95	28.00	33.54	38.51	0.6427	0.0280	1.425	110-120	16.33	290.6	57.6,57.6
130	55.68	48.19	43.54	51.47	60.47	9.424	0.0516	9.857	120-130	25.34	316.0	62.6,62.6
140	78.84	70.95	65.20	74.85	83.93	55.90	13.37	55.16	130-140	36.85	352.8	69.9,69.9
150	104.3	96.66	92.83	99.78	108.9	101.7	78.75	99.58	140-150	49.21	402.0	79.6,79.6
160	125.9	123.6	121.3	125.7	128.5	126.6	126.1	125.5	150-160	51.46	453.5	89.8,89.8
170	140.3	139.2	141.6	140.2	141.4	140.2	142.1	139.4	160-170	37.62	491.1	97.3,97.3
180	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	170-180	13.69	504.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 178.01 lm

%lum = 35.3%

%lamp = 35.3%

Conical surface Flux(120deg): 222.41 lm

%lum = 44.1%

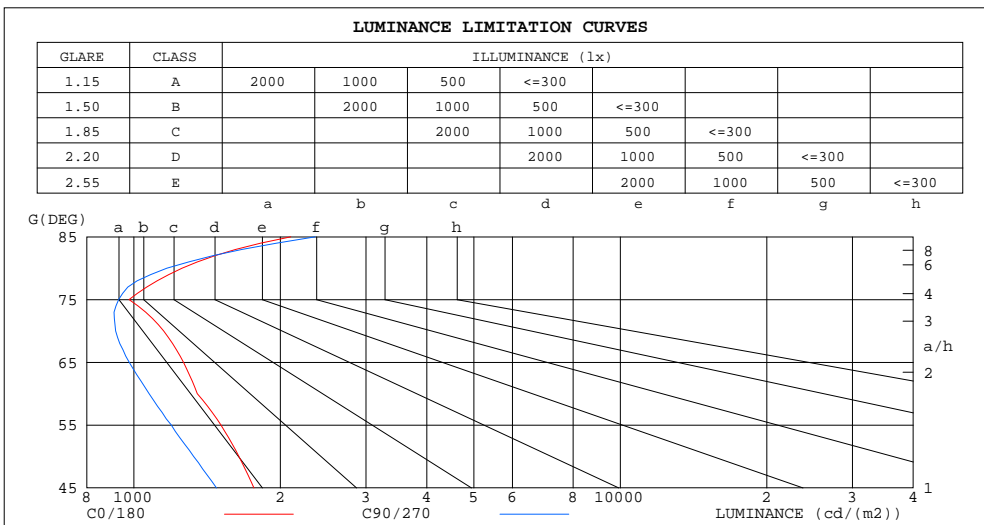
%lamp = 44.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2102	2360
80	1256	1169
75	978	931
70	1151	917
65	1265	978
60	1350	1075
55	1510	1194
50	1644	1327
45	1765	1478

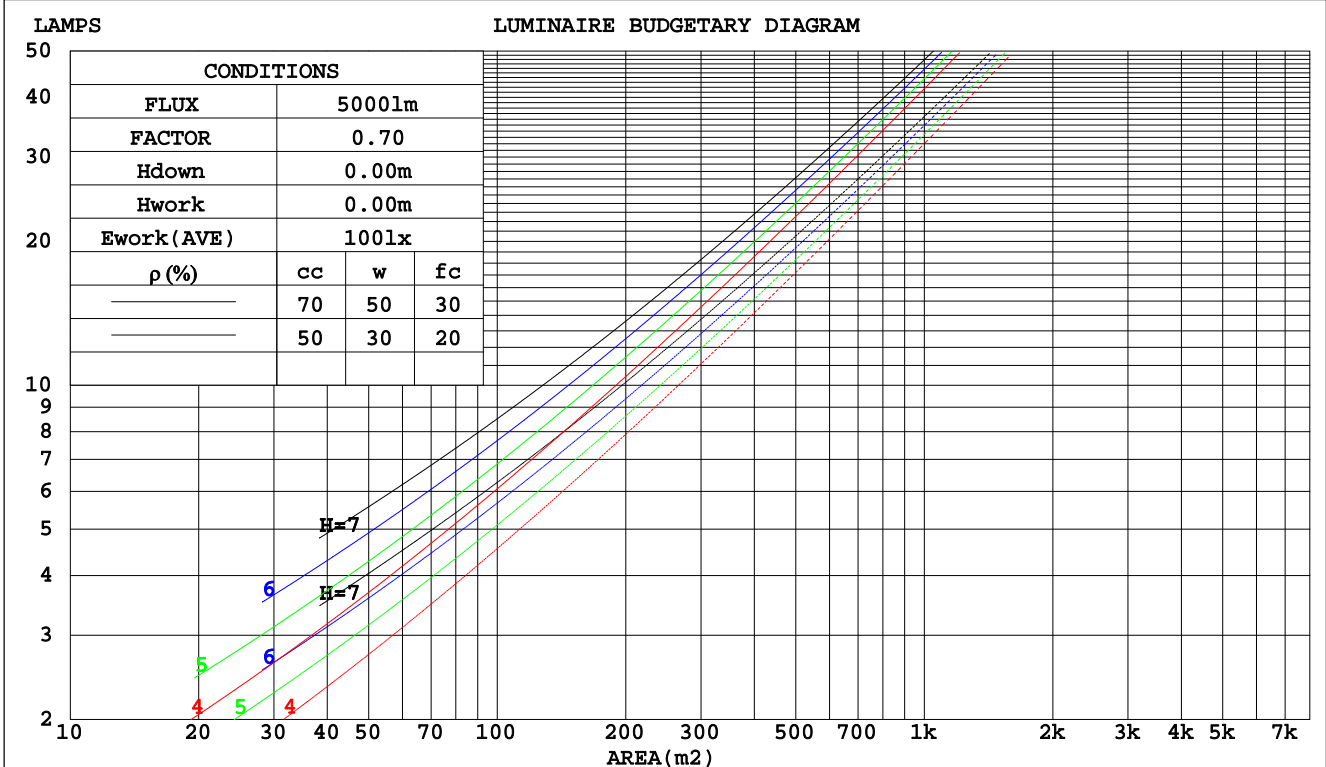
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.94	.91	.87	.87	.84	.81	.74	.72	.70	.62	.61	.59	.51	.50	.49	.44
2.0	.83	.78	.73	.77	.72	.68	.66	.62	.59	.56	.53	.51	.46	.44	.43	.38
3.0	.74	.67	.62	.69	.63	.58	.59	.55	.51	.50	.47	.44	.42	.40	.38	.34
4.0	.66	.59	.53	.62	.55	.50	.53	.48	.44	.45	.42	.39	.38	.35	.33	.30
5.0	.60	.52	.46	.56	.49	.44	.48	.43	.39	.41	.37	.34	.35	.32	.30	.27
6.0	.54	.46	.41	.51	.44	.39	.44	.39	.35	.38	.34	.31	.32	.29	.27	.24
7.0	.49	.42	.36	.46	.39	.35	.40	.35	.31	.35	.31	.28	.30	.27	.24	.22
8.0	.45	.38	.33	.42	.36	.31	.37	.32	.28	.32	.28	.25	.28	.24	.22	.20
9.0	.41	.34	.29	.39	.32	.28	.34	.29	.25	.30	.26	.23	.26	.23	.20	.18
10.0	.38	.31	.27	.36	.30	.26	.32	.27	.23	.28	.24	.21	.24	.21	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	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	.266	.151	.048	.245	.140	.044	.204	.117	.037	.166	.096	.031	.132	.076	.025	
2.0	.245	.134	.041	.225	.124	.038	.188	.105	.033	.154	.086	.027	.122	.069	.022	
3.0	.226	.121	.036	.208	.112	.034	.175	.095	.029	.143	.079	.024	.114	.063	.020	
4.0	.210	.109	.032	.194	.101	.030	.162	.086	.026	.134	.072	.022	.107	.058	.018	
5.0	.195	.100	.029	.180	.093	.027	.152	.079	.023	.125	.066	.020	.100	.054	.016	
6.0	.182	.091	.026	.168	.085	.024	.142	.073	.021	.117	.061	.018	.094	.050	.015	
7.0	.171	.084	.024	.158	.079	.022	.133	.067	.019	.110	.057	.016	.089	.046	.014	
8.0	.160	.078	.022	.148	.073	.021	.126	.063	.018	.104	.053	.015	.084	.043	.013	
9.0	.151	.073	.020	.140	.068	.019	.119	.059	.017	.099	.049	.014	.080	.041	.012	
10.0	.143	.068	.019	.132	.064	.018	.112	.055	.016	.094	.046	.013	.076	.038	.011	

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	.564	.564	.564	.482	.482	.482	.329	.329	.329	.189	.189	.189	.060	.060	.060	
1.0	.554	.534	.515	.474	.458	.443	.324	.315	.306	.187	.182	.178	.060	.059	.058	
2.0	.546	.512	.483	.467	.440	.418	.320	.305	.291	.185	.177	.171	.059	.057	.056	
3.0	.538	.496	.462	.461	.428	.401	.316	.297	.281	.183	.173	.166	.059	.056	.054	
4.0	.530	.483	.447	.455	.418	.389	.313	.291	.274	.181	.170	.162	.058	.056	.053	
5.0	.524	.474	.437	.450	.410	.380	.310	.286	.268	.179	.168	.159	.058	.055	.052	
6.0	.517	.466	.429	.445	.404	.374	.307	.283	.265	.178	.166	.157	.057	.054	.052	
7.0	.511	.460	.424	.440	.399	.369	.304	.279	.262	.177	.165	.156	.057	.054	.052	
8.0	.506	.455	.419	.436	.394	.366	.301	.277	.259	.175	.163	.155	.057	.054	.051	
9.0	.501	.450	.416	.431	.391	.363	.299	.275	.258	.174	.162	.154	.056	.053	.051	
10.0	.496	.446	.413	.428	.388	.361	.297	.273	.256	.173	.161	.153	.056	.053	.051	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm										
NAME: LED Wall Pack					TYPE:LED			WEIGHT:		
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K					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	11.0	11.9	11.9	12.7	13.8	10.0	10.9	10.9	11.8	12.8
3H	12.1	12.9	12.9	13.7	14.8	11.0	11.8	11.9	12.7	13.8
4H	12.4	13.2	13.3	14.0	15.2	11.5	12.2	12.4	13.1	14.2
6H	12.8	13.5	13.7	14.4	15.6	12.0	12.7	13.0	13.6	14.8
8H	13.1	13.8	14.1	14.7	15.9	12.5	13.1	13.4	14.0	15.2
12H	13.6	14.2	14.5	15.1	16.3	13.1	13.7	14.0	14.7	15.8
4H 2H	11.2	11.9	12.1	12.8	13.9	10.4	11.1	11.3	12.0	13.1
3H	12.4	13.0	13.3	13.9	15.1	11.5	12.2	12.5	13.1	14.2
4H	12.8	13.4	13.8	14.3	15.5	12.1	12.7	13.1	13.6	14.8
6H	13.4	13.9	14.4	14.8	16.1	12.9	13.4	13.9	14.3	15.6
8H	13.8	14.2	14.8	15.2	16.4	13.4	13.9	14.4	14.9	16.1
12H	14.3	14.7	15.3	15.7	17.0	14.2	14.7	15.2	15.6	16.9
8H 4H	12.9	13.3	13.9	14.3	15.6	12.3	12.7	13.3	13.7	14.9
6H	13.6	14.0	14.6	15.0	16.3	13.3	13.7	14.3	14.6	15.9
8H	14.2	14.5	15.2	15.5	16.8	14.0	14.4	15.1	15.4	16.7
12H	14.9	15.2	15.9	16.2	17.5	15.1	15.4	16.1	16.4	17.7
12H 4H	12.9	13.3	13.9	14.3	15.5	12.3	12.7	13.3	13.7	14.9
6H	13.7	14.0	14.7	15.0	16.3	13.4	13.7	14.4	14.7	16.0
8H	14.3	14.6	15.4	15.6	16.9	14.2	14.5	15.2	15.5	16.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.4 / - 0.4					+ 0.2 / - 0.2				

CIE Pub.117, 504.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.4)
 Area: 0.05712 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

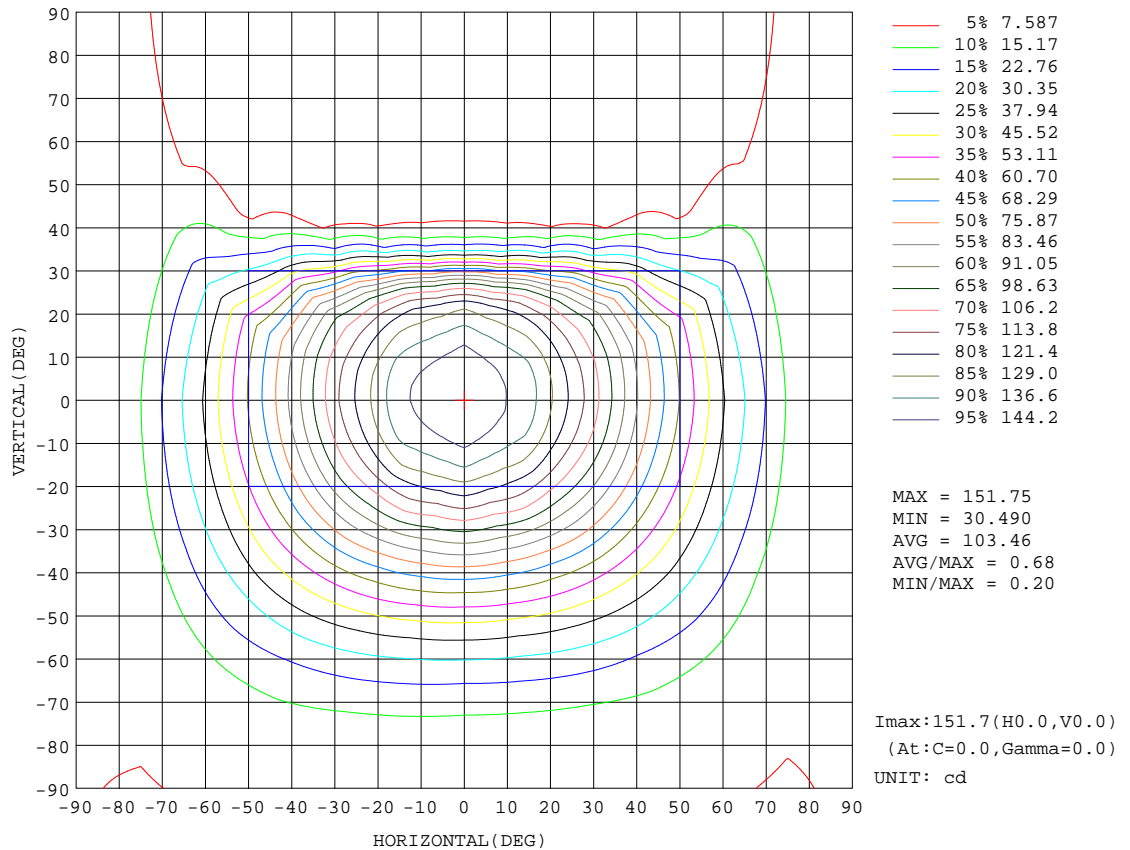
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	39	34	47	38	33	42	35	31	23
0.80	59	48	42	55	46	40	49	42	37	28
1.00	66	55	49	62	53	47	55	49	43	32
1.25	72	62	55	68	59	53	59	53	48	35
1.50	77	67	61	72	63	58	63	57	52	37
2.00	83	75	68	77	70	65	67	62	58	40
2.50	87	79	73	81	74	69	70	65	61	41
3.00	90	83	78	84	78	73	72	68	64	43
4.00	94	88	83	87	82	78	75	71	68	44
5.00	97	91	87	89	85	82	76	73	71	45
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: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

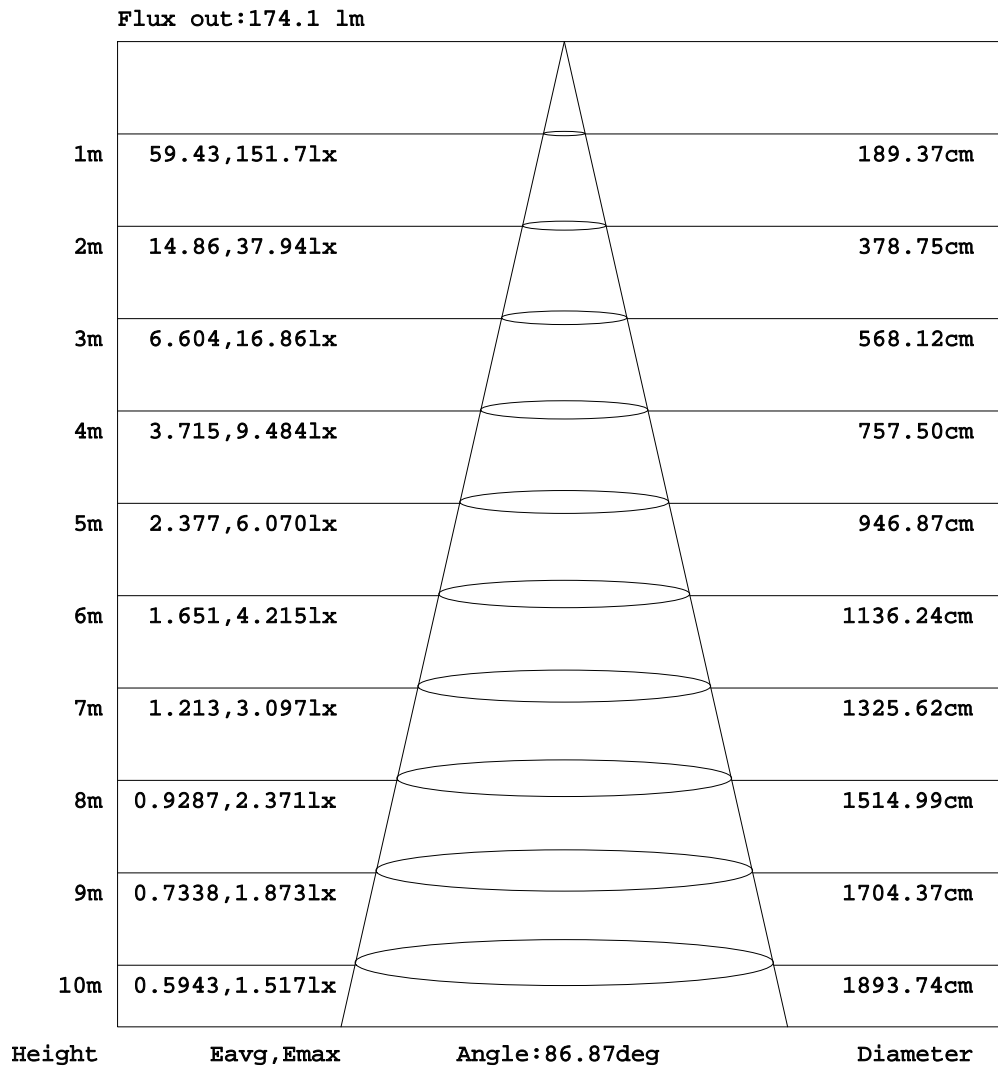


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance:2.500m [K=1.0391]
 Remarks:

AAI Figure

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



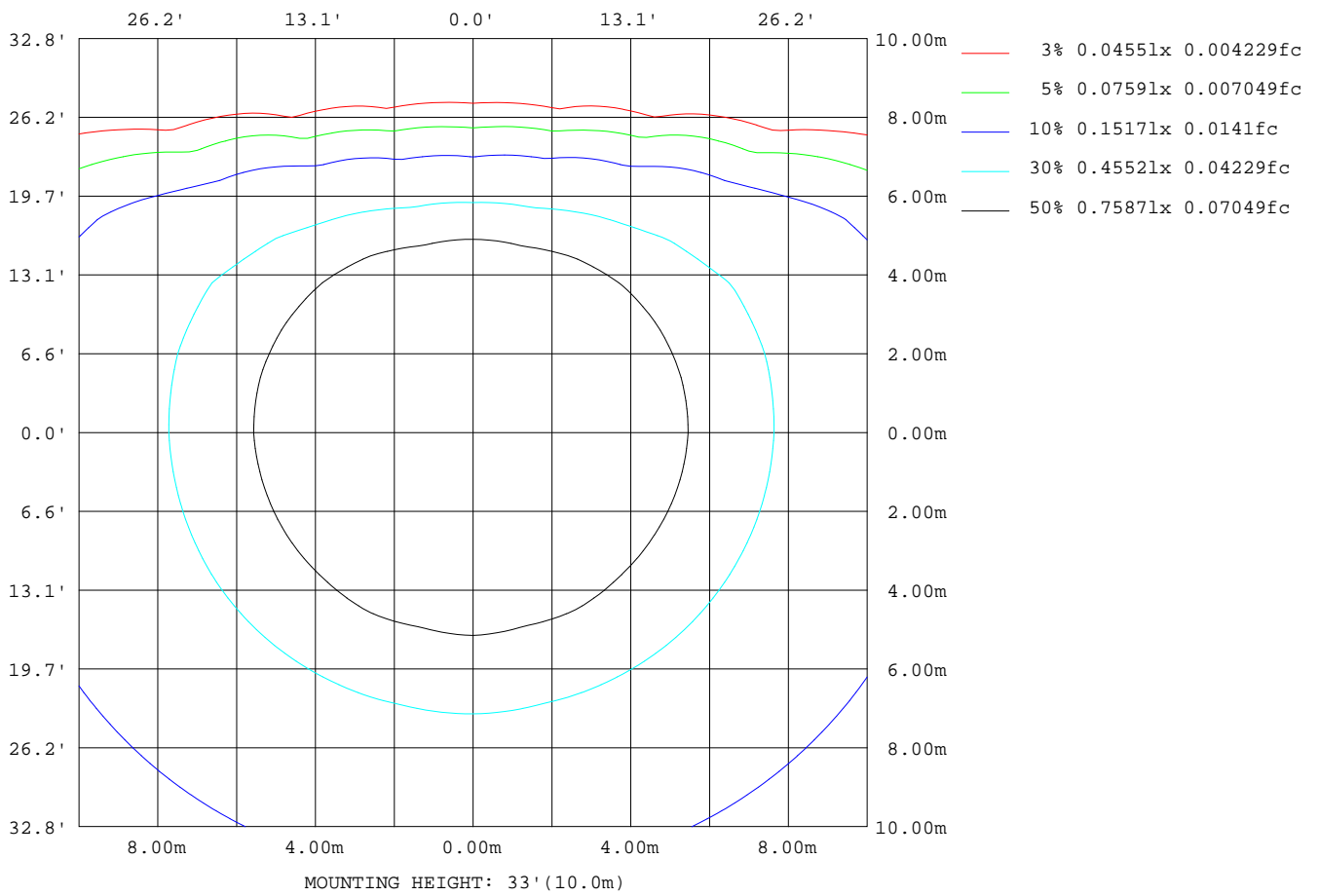
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance:2.500m [K=1.0391]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	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: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

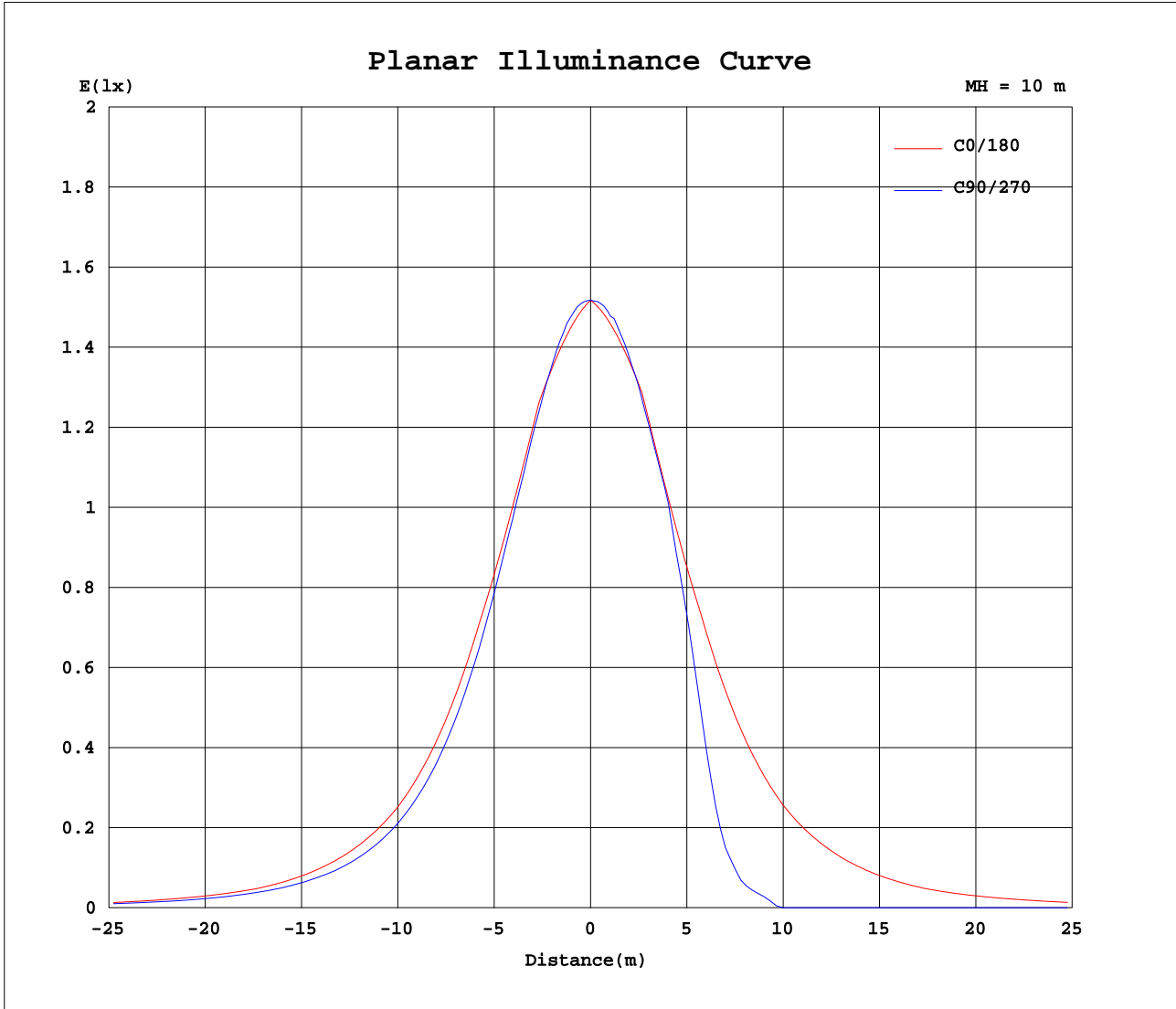
AvgL	cd/m2
L_0~180(65)av	1275
L_0~180(75)av	999
L_0~180(85)av	2091
L_90~270(65)av	490
L_90~270(75)av	466
L_90~270(85)av	1182
L_45(65)av	571
L_45(75)av	535
L_45(85)av	1138

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 42.7%
Test Distance: 2.500m [K=1.0391]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	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	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152
5	148	148	148	148	149	149	150	150	149	149	149	149	149	149	149	149	150	150	151
10	144	144	143	143	143	144	146	144	144	144	145	145	146	146	146	146	146	146	148
15	140	139	138	136	135	135	138	136	136	138	140	142	143	143	142	140	139	139	141
20	130	129	129	128	125	124	127	125	127	130	131	132	132	133	133	132	130	129	131
25	120	118	116	115	114	112	114	113	116	118	119	121	122	123	122	121	119	111	111
30	109	107	105	102	101	98.7	100.0	99.6	103	105	107	109	112	112	110	106	94.5	77.0	73.3
35	96.6	94.7	92.3	89.5	87.2	85.0	85.9	86.0	88.7	91.5	94.8	96.7	98.7	99.6	98.0	83.1	54.0	31.9	27.4
40	84.0	81.8	79.4	77.1	73.8	72.0	72.3	72.9	75.3	79.2	81.5	83.6	85.6	86.4	81.7	51.8	19.7	11.0	9.85
45	71.3	69.1	67.0	64.6	61.6	60.1	59.7	61.0	63.0	66.3	69.0	70.6	72.5	73.4	61.1	22.2	6.60	1.14	0.10
50	60.4	58.0	55.4	53.1	50.8	48.9	48.7	49.7	52.2	54.7	57.2	59.2	61.3	61.6	37.9	6.96	0.07	0.05	0.05
55	49.5	47.2	45.3	42.8	40.7	39.0	39.1	39.8	41.9	44.4	46.8	48.3	50.2	49.4	19.9	0.95	0.05	0.04	0.04
60	38.6	36.6	35.7	33.8	32.0	30.7	30.7	31.5	33.3	35.4	37.0	37.5	39.0	36.6	8.98	0.92	0.04	0.03	0.03
65	30.5	28.2	27.1	25.7	24.7	23.8	23.6	24.6	25.8	27.2	28.3	29.3	31.0	26.7	4.29	0.92	0.03	0.03	0.03
70	22.5	20.4	20.1	19.1	18.5	17.9	17.9	18.7	19.6	20.6	21.4	21.6	23.1	18.2	4.17	0.90	0.03	0.03	0.02
75	14.5	12.6	13.3	14.1	13.9	13.6	13.8	14.3	14.8	15.3	14.8	13.9	15.1	10.4	4.15	0.88	0.03	0.03	0.02
80	12.5	10.3	10.2	10.1	11.7	11.7	11.6	12.0	12.2	11.1	11.4	11.2	12.7	9.14	4.10	0.91	0.03	0.04	0.02
85	10.5	8.64	9.21	9.92	10.9	11.6	11.7	11.8	11.2	10.6	9.98	9.13	10.4	8.66	4.03	0.83	0.04	0.05	0.02
90	8.47	6.98	8.22	9.74	10.9	11.6	11.8	11.9	11.2	10.1	8.62	7.04	7.99	8.23	4.03	0.81	0.04	0.05	0.03
95	10.1	8.55	9.22	10.0	10.8	11.5	11.6	11.7	11.1	10.7	10.0	9.10	10.2	8.75	3.90	0.76	0.03	0.04	0.02
100	11.8	10.1	10.2	10.3	11.6	11.7	11.7	12.1	12.1	11.2	11.4	11.2	12.4	9.29	3.84	0.75	0.03	0.03	0.02
105	13.5	12.3	13.0	13.8	13.8	13.8	13.8	14.3	14.7	15.2	14.7	13.8	14.7	10.5	3.78	0.71	0.03	0.02	0.02
110	20.6	19.0	18.8	18.2	17.8	17.3	17.4	18.0	18.9	20.0	21.1	21.3	22.6	18.2	3.77	0.69	0.03	0.02	0.02
115	27.7	25.8	24.8	23.9	23.0	22.2	22.1	23.0	24.4	26.1	27.7	28.9	30.6	26.5	3.72	0.67	0.03	0.02	0.02
120	34.8	33.2	32.6	31.0	29.2	28.0	28.0	28.9	30.9	33.5	35.9	37.1	38.5	36.2	9.22	0.64	0.04	0.03	0.03
125	45.2	43.2	41.4	38.8	36.7	35.2	35.2	36.1	38.6	41.8	45.3	47.6	49.5	48.5	21.8	0.61	0.05	0.04	0.04
130	55.7	53.3	50.7	48.2	45.6	43.7	43.5	44.8	47.8	51.5	55.2	58.2	60.5	60.4	40.3	9.42	0.10	0.05	0.05
135	66.1	64.1	61.9	58.9	55.6	53.8	53.5	55.0	57.9	62.4	66.6	69.4	71.5	72.0	60.8	27.2	9.61	3.47	0.38
140	78.8	76.7	74.1	71.0	67.2	65.1	65.2	66.2	69.4	74.8	78.8	81.8	83.9	84.1	79.2	55.9	25.7	14.9	13.4
145	91.6	89.7	87.1	83.5	80.4	77.7	78.4	78.8	82.6	87.0	91.7	94.5	96.4	96.5	94.2	81.9	60.4	40.4	36.1
150	104	103	99.6	96.7	94.9	91.6	92.8	92.6	97.0	99.8	104	107	109	109	106	102	93.3	80.8	78.7
155	115	114	112	110	108	106	107	107	110	113	115	117	119	118	117	115	114	108	109
160	126	125	125	124	120	119	121	120	122	126	127	128	128	128	128	127	124	124	126
165	137	136	134	132	131	131	133	132	132	134	136	138	138	137	136	134	133	133	135
170	140	140	140	139	139	140	142	140	140	140	141	141	141	141	141	140	140	141	142
175	144	144	144	145	145	146	147	146	145	145	145	145	144	145	145	145	145	145	146
180	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1870A P:22.120W PF:0.9857 Freq:60.00Hz Lamp Flux:504.809x1 lm		
NAME: LED Wall Pack	TYPE:LED	WEIGHT:
SPEC.:ASD-LWS28S-MV-24D22CC-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	152	152	152	152	152														
5	150	149	149	148	148														
10	146	145	145	144	144														
15	138	138	138	139	140														
20	128	128	130	131	130														
25	110	117	118	119	120														
30	76.4	92.9	103	108	109														
35	32.4	53.3	81.4	95.6	97.3														
40	10.9	20.2	51.0	79.7	84.7														
45	0.95	6.42	21.8	59.6	72.0														
50	0.05	0.10	6.95	37.1	60.2														
55	0.04	0.12	1.37	19.6	48.2														
60	0.04	0.10	1.33	9.03	35.5														
65	0.03	0.08	1.38	4.58	25.8														
70	0.03	0.09	1.40	4.53	17.8														
75	0.03	0.07	1.38	4.59	10.4														
80	0.03	0.08	1.39	4.54	9.28														
85	0.04	0.07	1.36	4.47	8.83														
90	0.04	0.07	1.37	4.50	8.43														
95	0.04	0.07	1.36	4.42	8.81														
100	0.03	0.08	1.38	4.42	9.23														
105	0.03	0.09	1.40	4.44	10.3														
110	0.03	0.13	1.43	4.42	17.4														
115	0.03	0.09	1.44	4.53	24.9														
120	0.03	0.15	1.43	9.99	33.6														
125	0.04	0.19	1.49	22.0	45.2														
130	0.06	0.15	9.86	39.4	56.2														
135	3.38	9.39	27.4	58.7	67.1														
140	14.7	25.7	55.2	76.0	79.5														
145	40.3	59.8	80.4	90.7	92.1														
150	80.4	91.9	99.6	103	104														
155	107	113	113	114	115														
160	123	123	125	126	126														
165	133	132	133	135	136														
170	140	140	139	140	140														
175	145	144	144	144	144														
180	148	148	148	148	148														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 09 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0391]
 Remarks: