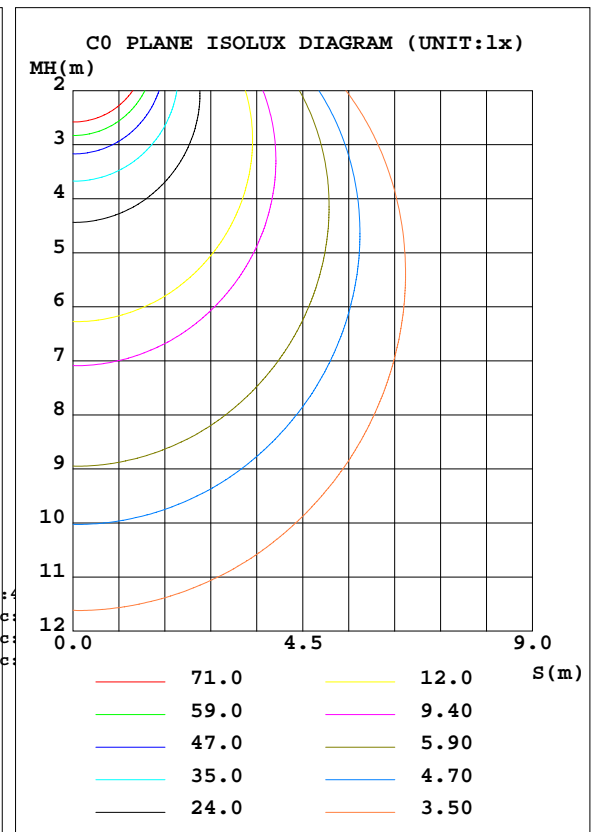
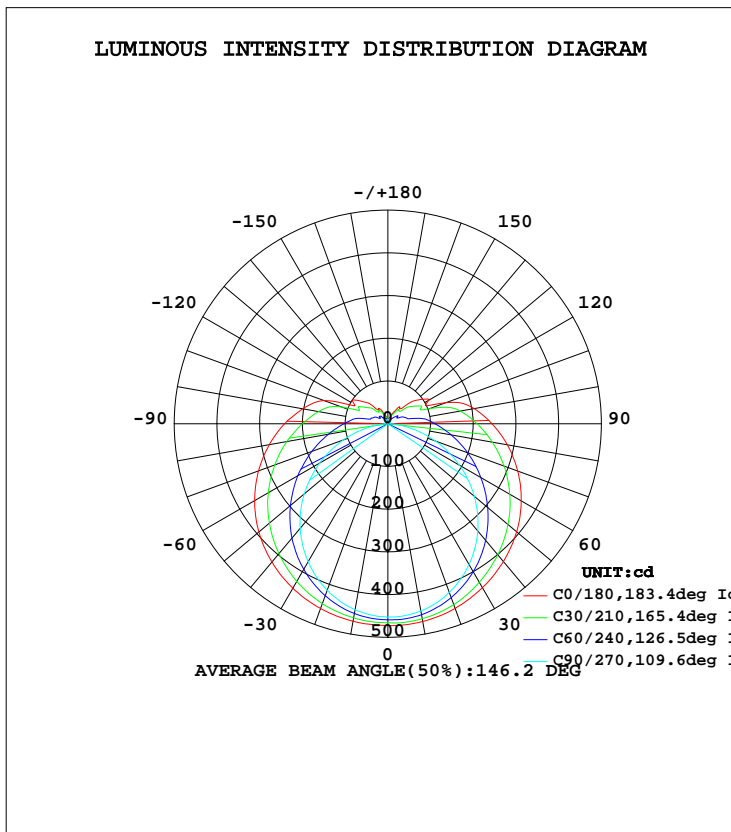


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96,7 lm/W			
MODEL	ASD-LVF23-36D30CC-NK	I <sub>max</sub> (cd)	472.7	S/MH(C0/180)	1.42
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2900	η UP, DN(C0-180)	9.1,41.2
NOMINAL FLUX(lm)	2900	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.1,40.6
LAMPS INSIDE	1	η up(%)	18.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.8	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	469.9	459.1	444.9	440.7	469.4	455.8	442.0	439.6	0- 10	43.23	43.23	1.98,1.98
20	460.1	442.8	420.4	424.4	460.3	437.8	415.0	421.5	10- 20	125.1	168.4	7.72,7.72
30	443.0	415.5	380.1	398.4	444.9	409.3	373.2	393.7	20- 30	193.8	362.2	16.6,16.6
40	421.0	379.8	327.6	363.0	422.2	372.2	319.3	358.1	30- 40	242.7	604.9	27.7,27.7
50	393.6	339.2	264.3	321.7	394.2	329.9	255.8	317.5	40- 50	268.3	873.2	40,40
60	360.6	295.3	193.3	277.6	360.3	284.7	184.2	275.0	50- 60	270.0	1143	52.4,52.4
70	323.5	250.1	118.6	231.9	322.1	238.8	110.5	231.7	60- 70	250.4	1394	63.9,63.9
80	283.9	205.5	47.51	187.8	281.8	194.9	42.06	190.2	70- 80	215.5	1609	73.8,73.8
90	243.9	166.2	5.956	149.8	241.8	156.4	6.181	153.3	80- 90	174.8	1784	81.8,81.8
100	205.1	132.1	5.600	118.3	202.3	124.2	6.382	120.4	90-100	138.9	1923	88.2,88.2
110	144.6	68.10	5.884	58.31	159.3	63.28	6.991	63.23	100-110	99.19	2022	92.7,92.7
120	110.5	57.29	6.439	48.86	90.56	53.51	7.753	54.84	110-120	58.85	2081	95.4,95.4
130	85.33	36.96	6.820	33.72	83.27	38.02	8.234	33.18	120-130	43.39	2124	97.4,97.4
140	46.16	36.45	7.178	31.94	52.81	34.21	8.477	31.75	130-140	26.98	2151	98.7,98.7
150	36.96	17.85	7.614	19.87	41.99	21.37	8.774	17.92	140-150	16.23	2167	99.4,99.4
160	19.80	8.666	8.340	16.17	23.29	17.76	9.125	14.96	150-160	8.507	2176	99.8,99.8
170	12.66	8.722	9.643	11.36	15.65	11.86	9.933	11.06	160-170	3.597	2180	100,100
180	9.455	10.75	10.17	10.44	9.490	10.69	10.23	10.40	170-180	1.012	2181	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

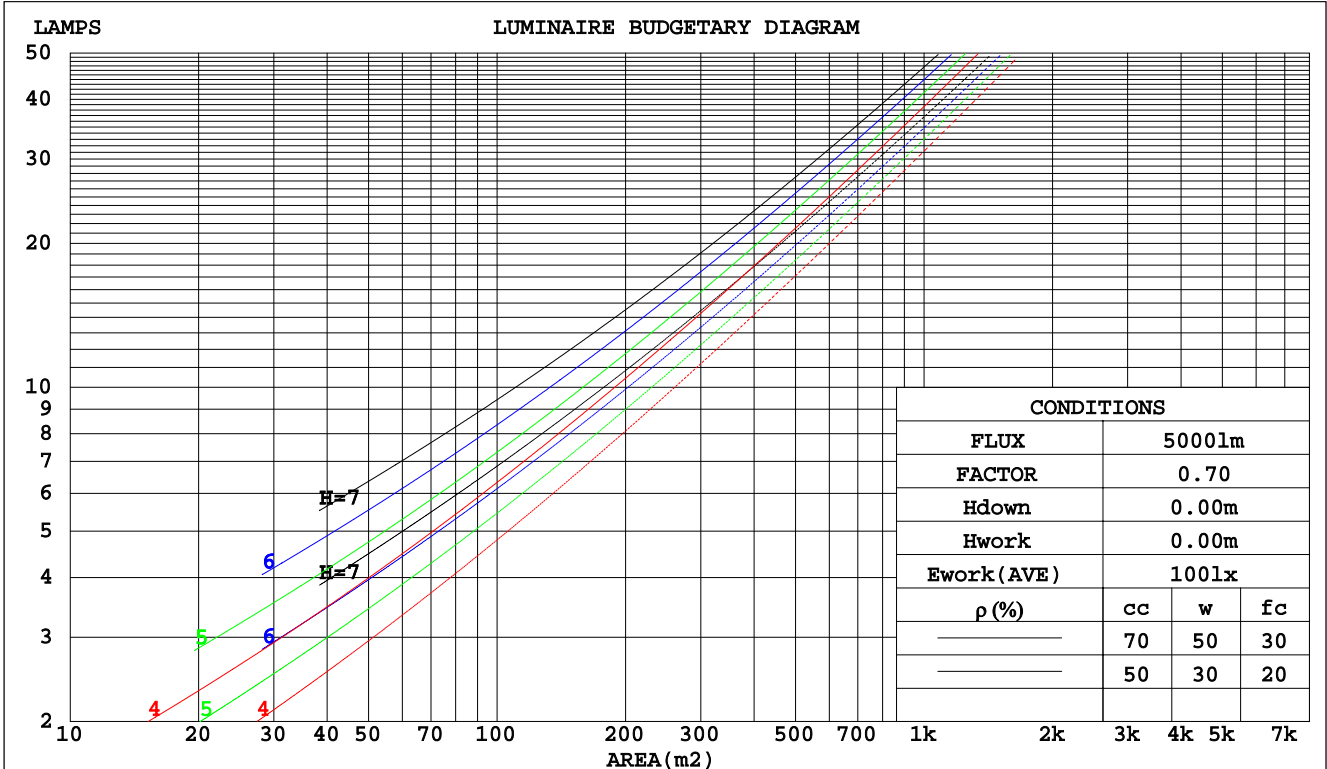
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-04-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.85	.85	.85	.82
1.0	.95	.90	.85	.91	.86	.82	.83	.79	.76	.76	.73	.70	.70	.67	.65	.61
2.0	.81	.73	.67	.78	.70	.64	.71	.65	.60	.65	.60	.56	.59	.55	.52	.49
3.0	.70	.61	.54	.67	.59	.52	.62	.55	.49	.56	.51	.46	.52	.47	.43	.40
4.0	.62	.52	.45	.59	.50	.44	.54	.47	.41	.50	.43	.38	.45	.40	.36	.33
5.0	.55	.45	.38	.52	.44	.37	.48	.41	.35	.44	.38	.33	.41	.35	.31	.28
6.0	.49	.40	.33	.47	.38	.32	.43	.36	.30	.40	.33	.28	.37	.31	.27	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.36	.30	.25	.33	.28	.24	.21
8.0	.40	.31	.25	.39	.30	.25	.36	.29	.23	.33	.27	.22	.31	.25	.21	.19
9.0	.37	.28	.22	.35	.27	.22	.33	.26	.21	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION 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	.393	.224	.071	.381	.217	.069	.357	.205	.065	.334	.193	.062	.314	.182	.059	
2.0	.338	.185	.057	.327	.180	.055	.305	.170	.053	.285	.160	.050	.267	.151	.048	
3.0	.300	.159	.048	.289	.155	.047	.270	.146	.044	.251	.138	.042	.235	.130	.040	
4.0	.269	.140	.041	.260	.136	.040	.242	.128	.038	.225	.121	.037	.210	.114	.035	
5.0	.244	.124	.036	.236	.121	.035	.220	.114	.034	.204	.108	.032	.190	.102	.031	
6.0	.224	.112	.032	.216	.109	.031	.201	.103	.030	.187	.097	.029	.174	.092	.027	
7.0	.206	.102	.029	.199	.099	.028	.185	.094	.027	.173	.089	.026	.161	.084	.025	
8.0	.191	.093	.026	.184	.091	.026	.172	.086	.025	.160	.081	.023	.149	.077	.022	
9.0	.178	.086	.024	.172	.084	.023	.160	.079	.022	.150	.075	.021	.140	.071	.020	
10.0	.166	.080	.022	.161	.078	.022	.150	.074	.021	.140	.070	.020	.131	.066	.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	.329	.329	.329	.281	.281	.281	.192	.192	.192	.110	.110	.110	.035	.035	.035	
1.0	.326	.295	.268	.279	.253	.230	.191	.174	.159	.110	.101	.093	.035	.032	.030	
2.0	.319	.272	.233	.273	.234	.201	.187	.162	.141	.108	.094	.082	.035	.031	.027	
3.0	.312	.256	.212	.267	.221	.183	.183	.153	.129	.106	.090	.076	.034	.029	.025	
4.0	.304	.243	.197	.261	.210	.171	.179	.147	.121	.104	.086	.071	.033	.028	.023	
5.0	.296	.234	.188	.254	.202	.163	.175	.141	.115	.101	.083	.068	.033	.027	.023	
6.0	.289	.226	.181	.248	.196	.157	.171	.137	.111	.099	.081	.066	.032	.026	.022	
7.0	.281	.219	.176	.242	.190	.153	.167	.133	.108	.097	.078	.065	.031	.026	.021	
8.0	.275	.214	.172	.236	.185	.150	.164	.130	.106	.095	.077	.063	.031	.025	.021	
9.0	.268	.209	.169	.231	.181	.147	.160	.127	.104	.093	.075	.062	.030	.025	.021	
10.0	.262	.205	.166	.226	.178	.145	.157	.125	.103	.092	.074	.061	.030	.024	.020	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm										
NAME: ASD-LVF23-36D30CC-NK 3000K						TYPE:LED			WEIGHT:	
SPEC.:						DIM.:			SERIAL No.:	
MFR.: ASD Lighting corp						SUR.:			PROTECTION 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	18.9	20.3	19.4	20.8	21.4	16.3	17.7	16.8	18.2	18.8
3H	21.7	23.0	22.3	23.5	24.2	17.8	19.1	18.4	19.6	20.3
4H	23.3	24.5	23.8	25.1	25.7	18.4	19.6	19.0	20.2	20.8
6H	25.0	26.1	25.6	26.7	27.4	18.9	20.0	19.4	20.6	21.3
8H	25.9	27.0	26.5	27.6	28.3	19.0	20.1	19.6	20.7	21.4
12H	27.0	28.1	27.6	28.7	29.4	19.1	20.2	19.7	20.8	21.4
4H 2H	19.5	20.7	20.0	21.3	21.9	17.7	18.9	18.2	19.4	20.1
3H	22.5	23.6	23.1	24.2	24.9	19.5	20.5	20.1	21.1	21.8
4H	24.3	25.3	24.9	25.9	26.6	20.3	21.3	20.9	21.9	22.6
6H	26.2	27.1	26.9	27.8	28.5	20.9	21.8	21.6	22.4	23.2
8H	27.3	28.1	28.0	28.8	29.6	21.1	22.0	21.8	22.6	23.4
12H	28.5	29.3	29.2	30.0	30.8	21.3	22.1	22.0	22.7	23.5
8H 4H	24.6	25.5	25.3	26.1	26.9	21.5	22.4	22.2	23.0	23.8
6H	26.9	27.6	27.6	28.3	29.1	22.6	23.3	23.3	24.0	24.8
8H	28.2	28.8	28.9	29.5	30.4	23.1	23.7	23.8	24.4	25.3
12H	29.7	30.3	30.4	31.0	31.8	23.5	24.0	24.2	24.8	25.6
12H 4H	24.7	25.4	25.3	26.1	26.9	22.0	22.7	22.6	23.4	24.2
6H	27.0	27.7	27.7	28.4	29.2	23.3	23.9	24.0	24.7	25.5
8H	28.4	29.0	29.2	29.7	30.6	24.0	24.6	24.7	25.3	26.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2181 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

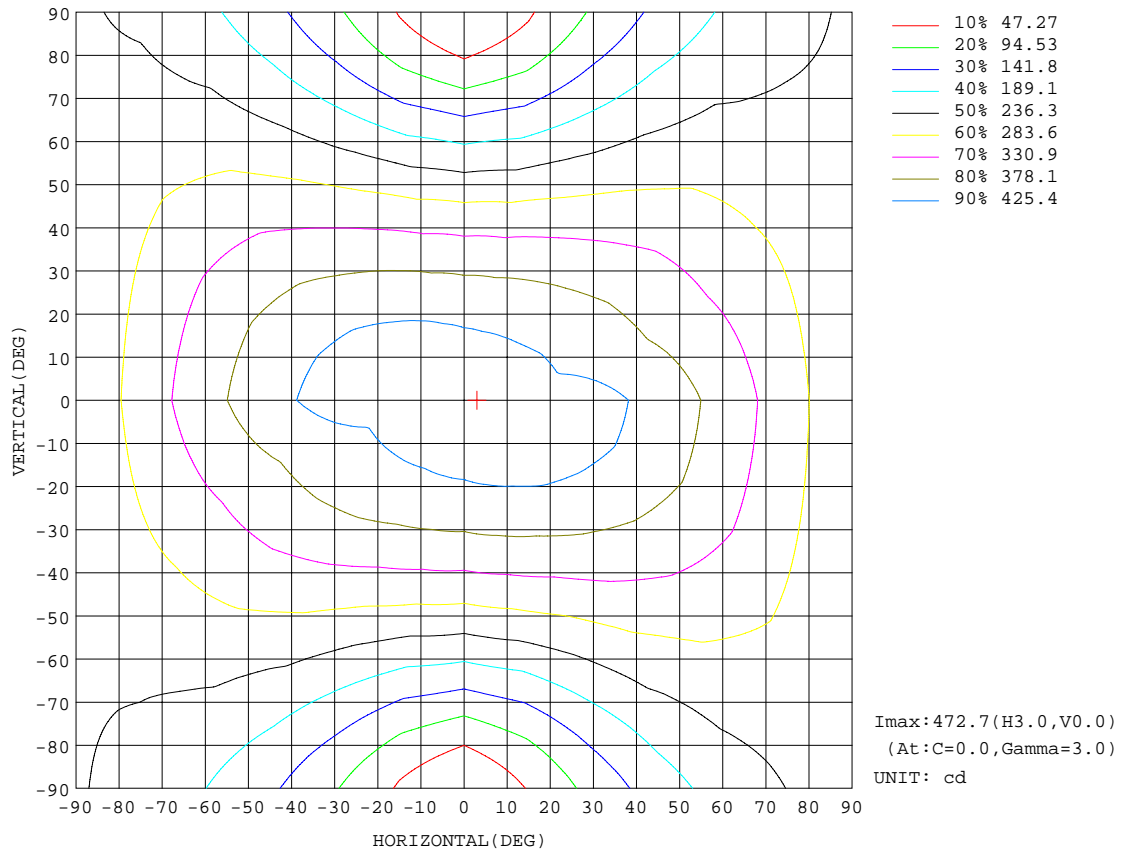
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	44	33	27	20
0.80	56	43	35	55	42	35	52	41	34	26
1.00	64	51	42	62	50	42	59	50	41	32
1.25	71	58	49	69	57	49	64	54	47	37
1.50	76	64	55	73	62	54	68	59	52	41
2.00	83	72	64	80	70	62	75	66	59	48
2.50	88	77	69	84	75	68	78	70	64	51
3.00	92	82	74	88	79	72	81	74	69	55
4.00	96	88	81	92	85	79	85	79	74	60
5.00	99	92	86	95	89	83	88	83	78	63
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:25.3DEG  
 Operators:  
 Test Date:2022-04-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

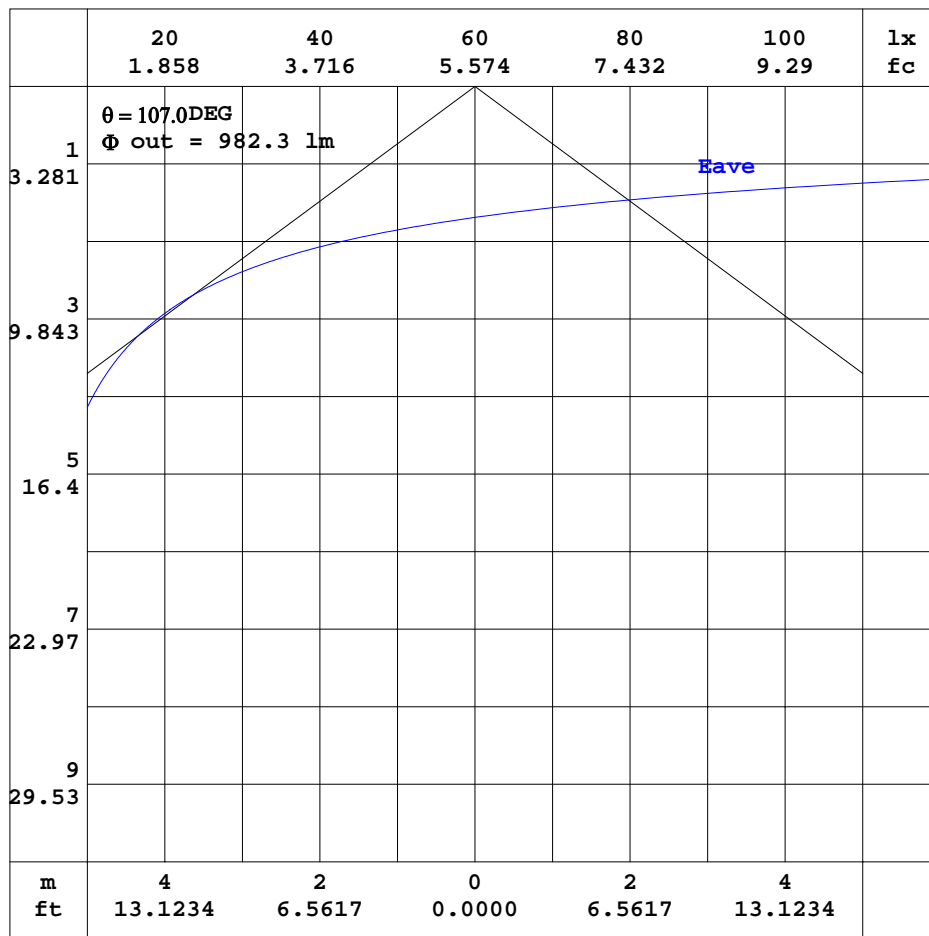


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



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

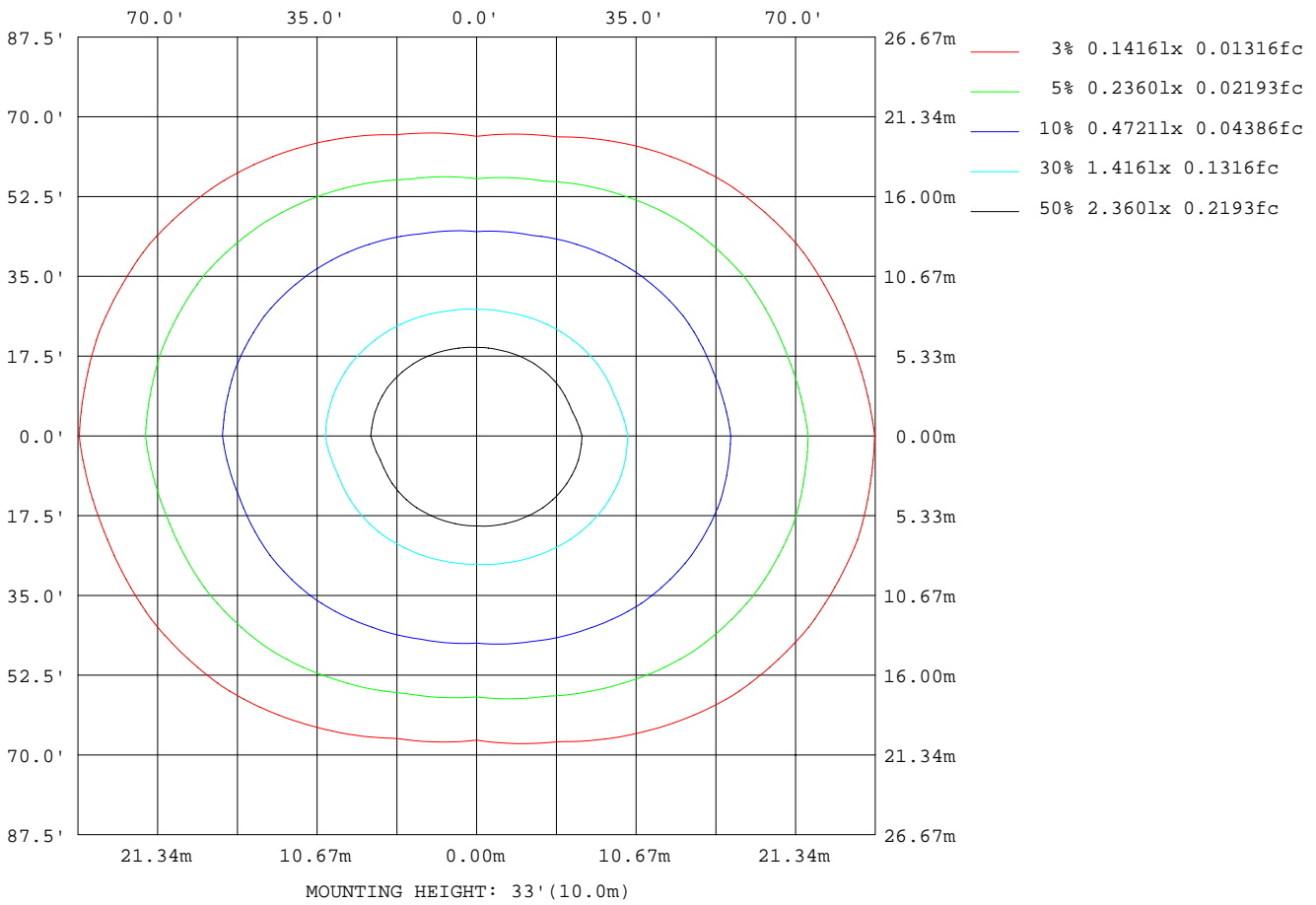
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

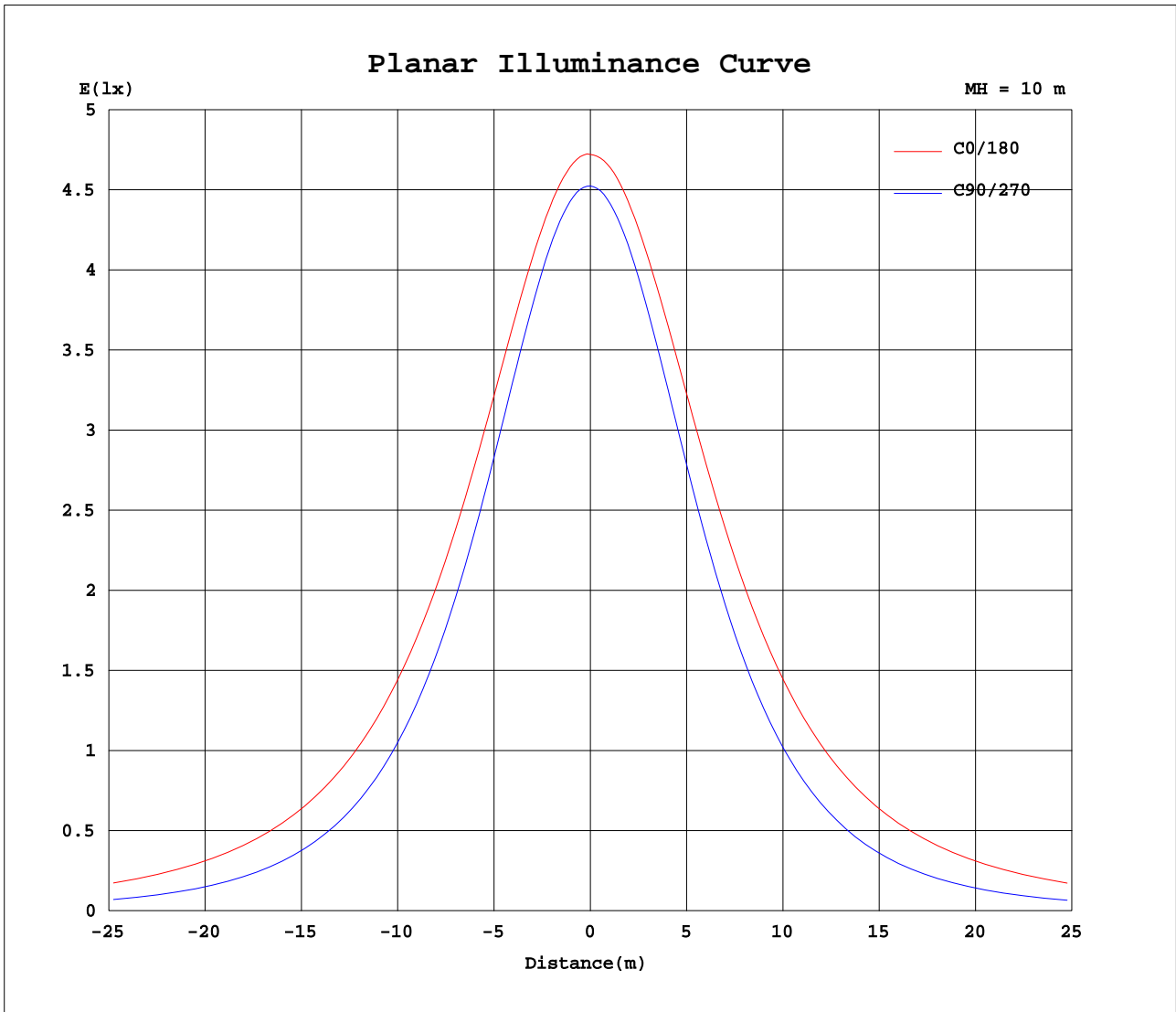
AvgL	cd/m2
L_0~180(65)av	8096
L_0~180(75)av	11708
L_0~180(85)av	30151
L_90~270(65)av	3594
L_90~270(75)av	3020
L_90~270(85)av	2091
L_45(65)av	6169
L_45(75)av	8334
L_45(85)av	20056

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-04-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-04-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION 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	472	470	466	463	459	455	452	450	447	445	443	442	472	470	466	463	459	455	452
5	472	470	466	463	458	454	451	448	446	445	443	441	471	468	465	461	457	453	449
10	470	468	463	459	454	449	445	443	441	441	440	439	469	466	461	456	451	446	442
15	466	463	458	452	445	440	435	433	433	434	435	435	466	461	456	448	441	435	431
20	460	457	451	443	433	426	420	420	421	424	427	430	460	455	448	438	429	420	415
25	452	449	440	430	418	409	402	402	406	413	418	422	453	447	438	425	412	402	396
30	443	440	428	416	400	388	380	382	387	398	407	413	445	438	426	409	394	380	373
35	433	429	415	398	379	365	355	358	367	382	394	402	434	426	412	392	373	355	348
40	421	416	400	380	356	339	328	332	345	363	379	390	422	413	397	372	349	328	319
45	408	403	384	360	331	310	297	303	320	343	363	377	409	399	380	352	324	299	289
50	394	388	367	339	305	280	264	273	293	322	345	362	394	383	362	330	298	268	256
55	378	372	349	317	278	247	230	241	266	300	327	346	378	366	343	308	270	237	220
60	361	354	330	295	251	213	193	207	239	278	308	329	360	348	323	285	243	204	184
65	343	336	310	273	225	180	156	173	213	255	288	311	342	329	303	262	216	171	148
70	324	317	290	250	199	147	119	141	186	232	267	292	322	309	282	239	189	139	111
75	304	297	269	227	174	117	81.5	110	161	209	247	272	302	289	261	216	165	109	74.9
80	284	277	249	205	150	89.4	47.5	82.3	138	188	227	253	282	269	240	195	141	82.0	42.1
85	264	257	228	185	129	66.4	20.0	58.9	116	168	208	234	262	249	219	175	120	59.9	16.5
90	244	237	209	166	110	49.4	5.96	42.1	98.2	150	190	214	242	229	200	156	103	44.4	6.18
95	224	217	191	149	95.3	38.6	5.57	31.9	83.7	133	172	197	221	210	182	140	88.5	34.3	6.21
100	205	198	172	132	74.0	26.2	5.60	20.7	69.1	118	155	179	202	192	165	124	73.4	22.5	6.38
105	183	176	149	101	47.5	19.2	5.73	15.7	39.0	97.3	138	161	183	173	147	102	42.5	17.3	6.67
110	145	137	103	68.1	43.1	17.5	5.88	14.3	36.2	58.3	104	136	159	147	115	63.3	39.9	16.2	6.99
115	100	94.9	84.9	66.7	38.6	16.1	6.13	13.8	32.5	57.9	68.2	90.6	113	99.0	74.0	63.0	35.5	15.4	7.34
120	110	105	83.6	57.3	27.3	13.9	6.44	13.5	25.4	48.9	73.6	82.7	90.6	88.2	80.4	53.5	30.1	15.5	7.75
125	100	92.1	71.7	50.3	26.4	11.7	6.53	12.7	20.4	44.2	62.6	81.3	97.6	87.7	68.3	47.4	22.5	14.5	7.97
130	85.3	77.9	60.8	37.0	29.2	9.61	6.82	12.3	25.1	33.7	53.9	69.3	83.3	74.2	58.4	38.0	26.7	13.8	8.23
135	65.0	58.3	42.1	37.0	22.7	7.76	6.90	11.4	23.5	28.5	42.5	58.8	70.5	63.0	49.4	30.4	25.3	12.5	8.32
140	46.2	44.0	40.3	36.5	17.3	8.07	7.18	11.6	15.9	31.9	32.4	39.3	52.8	43.5	36.1	34.2	17.4	11.5	8.48
145	48.8	47.4	39.2	26.6	12.7	7.86	7.38	11.6	15.3	28.3	35.6	34.7	39.7	36.7	37.8	30.7	16.5	11.0	8.69
150	37.0	35.3	28.4	17.9	10.2	7.08	7.61	10.9	15.5	19.9	31.1	35.6	42.0	38.7	34.1	21.4	16.7	10.3	8.77
155	28.3	26.7	20.3	12.6	8.81	6.77	7.80	10.4	14.5	18.2	21.5	28.0	35.1	31.8	23.8	19.4	15.4	9.56	8.90
160	19.8	18.4	10.6	8.67	7.21	7.03	8.34	10.3	12.6	16.2	18.7	20.8	23.3	22.4	20.7	17.8	13.3	9.30	9.12
165	14.5	12.1	8.53	7.49	7.97	8.15	9.02	10.1	11.3	13.6	15.7	17.4	19.1	18.6	17.0	14.6	11.2	9.64	9.58
170	12.7	8.65	7.70	8.72	9.13	9.43	9.64	10.1	10.5	11.4	12.4	13.8	15.6	14.7	13.5	11.9	10.7	9.80	9.93
175	10.4	8.03	9.15	10.2	10.2	10.1	10.0	10.1	10.2	10.4	10.9	11.2	12.0	11.8	11.5	10.9	10.4	10.1	10.1
180	9.45	10.3	10.9	10.8	10.4	10.3	10.2	10.2	10.3	10.4	10.5	10.6	9.49	10.3	11.0	10.7	10.5	10.3	10.2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2390A P:30W PF:0.9348 Lamp Flux:2900x1 lm		
NAME: ASD-LVF23-36D30CC-NK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	450	447	445	443	442														
5	447	446	444	443	442														
10	440	440	440	440	439														
15	429	431	432	434	435														
20	415	418	421	427	429														
25	396	402	409	417	421														
30	375	383	394	405	411														
35	350	363	377	392	401														
40	323	339	358	377	389														
45	295	315	338	361	376														
50	264	289	317	345	362														
55	232	263	296	327	347														
60	199	237	275	309	330														
65	167	209	253	290	313														
70	135	184	232	271	295														
75	105	160	210	251	276														
80	78.5	138	190	231	258														
85	56.9	118	171	212	239														
90	42.1	101	153	194	220														
95	32.5	86.7	137	177	202														
100	21.7	64.6	120	160	185														
105	17.8	45.4	87.4	138	164														
110	16.6	41.1	63.2	97.0	127														
115	14.6	37.4	61.5	76.5	89.1														
120	14.3	25.7	54.8	77.5	97.0														
125	14.4	29.8	44.2	69.0	80.9														
130	13.8	25.6	33.2	57.0	70.5														
135	12.6	21.0	38.5	40.0	52.7														
140	12.1	17.7	31.7	40.8	41.4														
145	11.8	16.2	23.7	37.1	44.4														
150	11.5	15.8	17.9	27.2	32.6														
155	11.1	14.2	17.5	20.2	25.1														
160	10.7	12.6	15.0	16.1	18.1														
165	10.3	11.5	12.4	13.9	14.0														
170	10.2	10.5	11.1	11.5	12.0														
175	10.1	10.2	10.3	10.4	10.4														
180	10.2	10.3	10.4	10.5	10.6														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-04-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks: