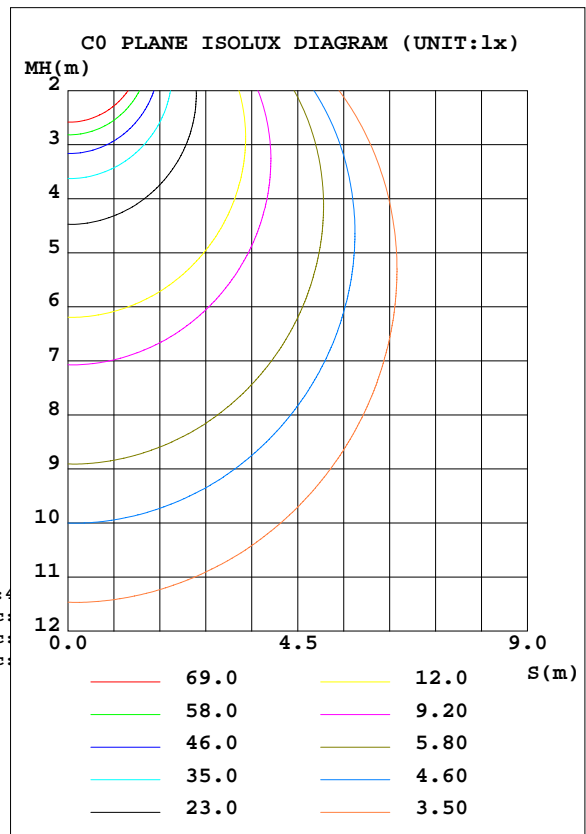
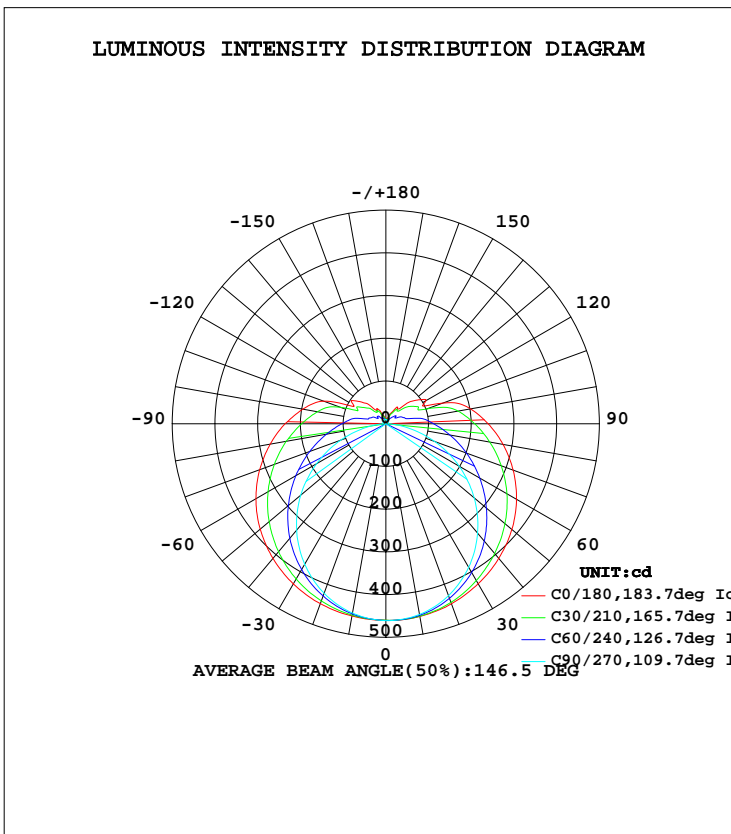


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99,1 lm/W			
MODEL	ASD-LVF23-36D30CC-NK	I _{max} (cd)	462.1	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)	2972	η UP, DN(C0-180)	9.1,41.3
NOMINAL FLUX(lm)	2972	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:2022-04-08

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	458.1	456.6	453.3	456.8	456.9	453.3	450.0	455.6	0- 10	43.73	43.73	1.98,1.98
20	448.7	440.5	428.5	440.3	448.3	435.0	422.5	437.3	10- 20	126.6	170.3	7.72,7.72
30	432.5	413.9	387.8	412.9	433.2	406.9	379.9	408.4	20- 30	196.1	366.4	16.6,16.6
40	411.3	378.7	334.4	376.6	411.2	370.2	324.9	371.5	30- 40	245.6	612.0	27.7,27.7
50	385.1	338.1	270.2	334.0	383.9	328.1	260.2	329.9	40- 50	271.6	883.6	40,40
60	353.0	294.9	197.6	288.1	351.3	283.3	187.4	285.9	50- 60	273.4	1157	52.4,52.4
70	317.0	250.2	121.4	241.4	314.1	237.7	112.3	241.0	60- 70	253.5	1411	63.9,63.9
80	278.5	205.6	48.67	195.4	275.0	194.0	42.61	198.0	70- 80	218.2	1629	73.8,73.8
90	239.6	166.5	6.145	155.8	236.1	155.8	6.239	159.8	80- 90	177.0	1806	81.8,81.8
100	201.6	132.4	5.734	123.1	197.5	123.8	6.448	126.2	90-100	140.6	1946	88.2,88.2
110	141.8	68.17	6.023	60.24	155.5	62.86	7.068	64.64	100-110	100.3	2047	92.7,92.7
120	108.9	57.45	6.604	50.44	87.53	53.33	7.857	57.29	110-120	59.34	2106	95.4,95.4
130	83.84	37.06	6.966	34.81	81.01	37.88	8.377	35.02	120-130	43.86	2150	97.4,97.4
140	45.21	36.62	7.325	33.02	51.36	34.10	8.635	33.08	130-140	27.17	2177	98.7,98.7
150	35.86	17.75	7.783	20.46	41.05	21.27	8.974	18.66	140-150	16.39	2193	99.4,99.4
160	18.54	8.685	8.536	16.69	23.57	17.68	9.325	15.91	150-160	8.594	2202	99.8,99.8
170	12.21	8.714	9.893	11.73	15.31	11.79	10.14	11.61	160-170	3.646	2206	100,100
180	9.201	10.70	10.43	10.84	9.205	10.71	10.42	10.83	170-180	1.026	2207	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

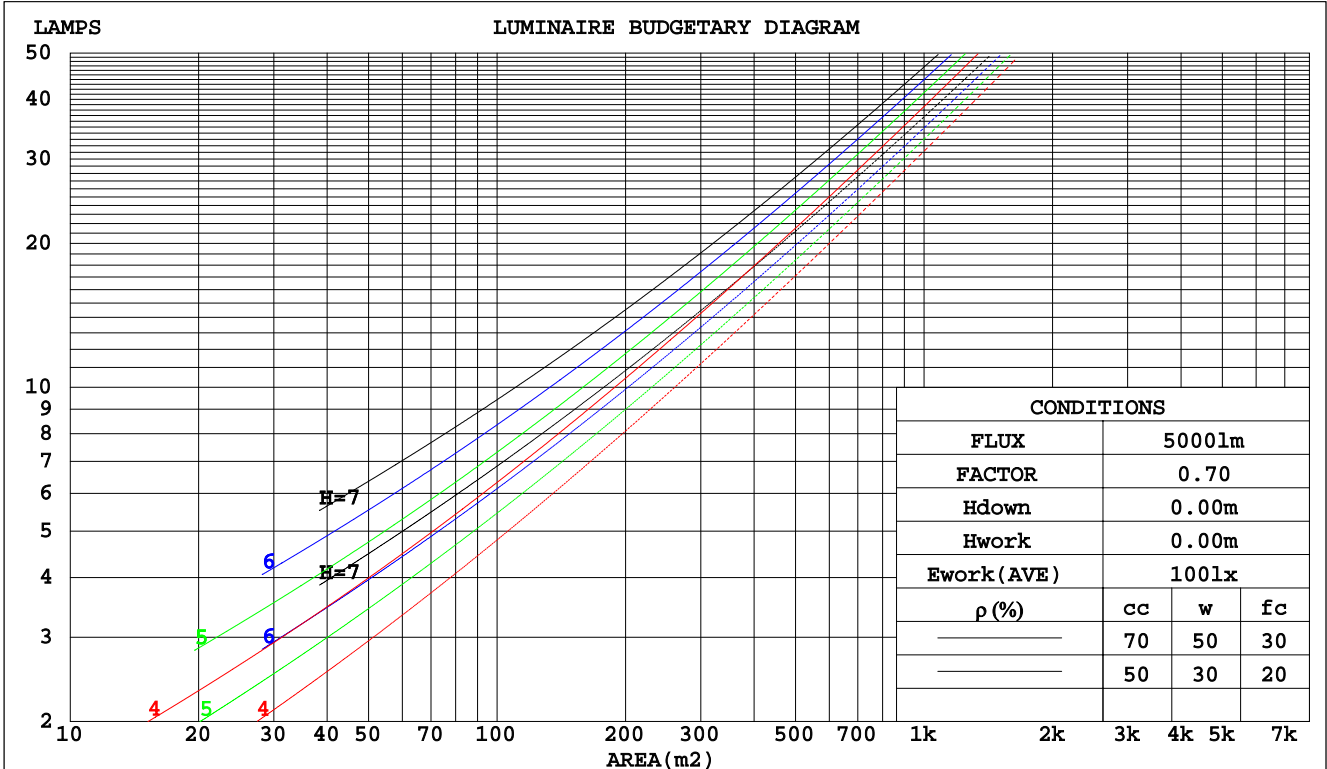
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-08

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	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: 2022-04-08

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:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	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	.335	.193	.062	.314	.182	.059	
2.0	.338	.186	.057	.327	.180	.055	.305	.170	.053	.285	.160	.050	.267	.151	.048	
3.0	.300	.159	.048	.289	.155	.047	.270	.146	.044	.252	.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	.205	.108	.032	.191	.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	.150	.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	.267	.279	.253	.230	.191	.174	.159	.110	.101	.093	.035	.032	.030	
2.0	.319	.272	.233	.273	.234	.201	.187	.162	.140	.108	.094	.082	.035	.031	.027	
3.0	.311	.256	.211	.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	.288	.226	.181	.248	.195	.157	.171	.137	.111	.099	.080	.066	.032	.026	.022	
7.0	.281	.219	.175	.242	.190	.153	.167	.133	.108	.097	.078	.064	.031	.026	.021	
8.0	.275	.213	.172	.236	.185	.150	.164	.130	.106	.095	.077	.063	.031	.025	.021	
9.0	.268	.209	.168	.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:2022-04-08

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:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm										
NAME: ASD-LVF23-36D30CC-NK 4000K					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	18.8	20.2	19.3	20.7	21.2	16.4	17.8	16.9	18.3	18.8
3H	21.6	22.9	22.1	23.4	24.0	17.9	19.2	18.4	19.7	20.3
4H	23.1	24.3	23.7	24.9	25.5	18.5	19.7	19.0	20.3	20.9
6H	24.8	26.0	25.4	26.6	27.2	18.9	20.1	19.5	20.7	21.3
8H	25.8	26.9	26.4	27.5	28.1	19.1	20.2	19.7	20.8	21.4
12H	26.9	27.9	27.5	28.5	29.2	19.2	20.2	19.8	20.8	21.5
4H 2H	19.4	20.6	19.9	21.1	21.8	17.7	18.9	18.2	19.4	20.1
3H	22.4	23.5	23.0	24.1	24.8	19.5	20.6	20.1	21.2	21.8
4H	24.2	25.1	24.8	25.8	26.5	20.3	21.3	20.9	21.9	22.6
6H	26.1	27.0	26.7	27.6	28.4	21.0	21.8	21.6	22.5	23.2
8H	27.2	28.0	27.8	28.7	29.4	21.2	22.0	21.9	22.7	23.4
12H	28.4	29.2	29.1	29.8	30.6	21.4	22.1	22.0	22.8	23.6
8H 4H	24.5	25.3	25.2	26.0	26.8	21.6	22.4	22.2	23.0	23.8
6H	26.8	27.5	27.5	28.2	29.0	22.7	23.4	23.4	24.0	24.9
8H	28.1	28.7	28.8	29.4	30.2	23.1	23.8	23.8	24.5	25.3
12H	29.6	30.1	30.3	30.9	31.7	23.5	24.1	24.2	24.8	25.6
12H 4H	24.6	25.3	25.2	26.0	26.8	22.0	22.7	22.6	23.4	24.2
6H	26.9	27.5	27.6	28.2	29.1	23.3	24.0	24.0	24.7	25.5
8H	28.3	28.9	29.0	29.6	30.4	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 2207 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:2022-04-08

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:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

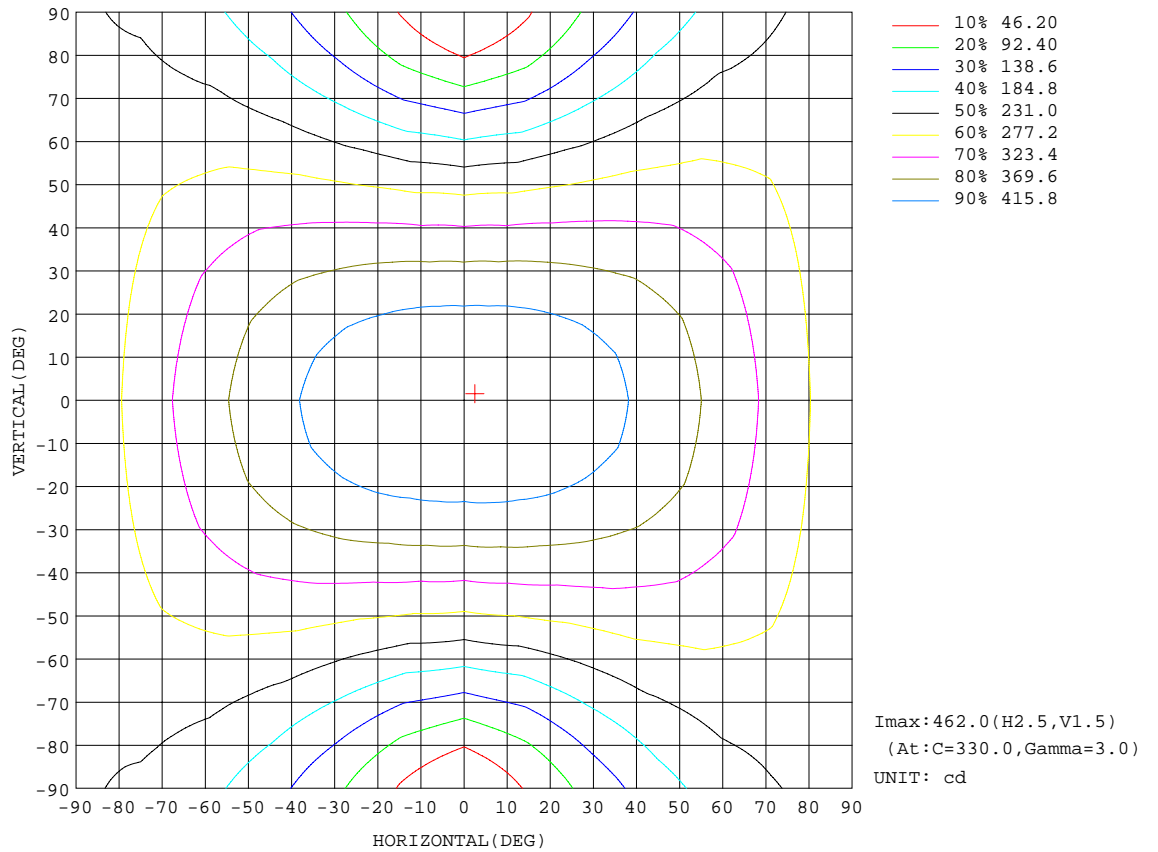
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	44	33	27	20
0.80	56	43	35	55	42	35	52	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:2022-04-08

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:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

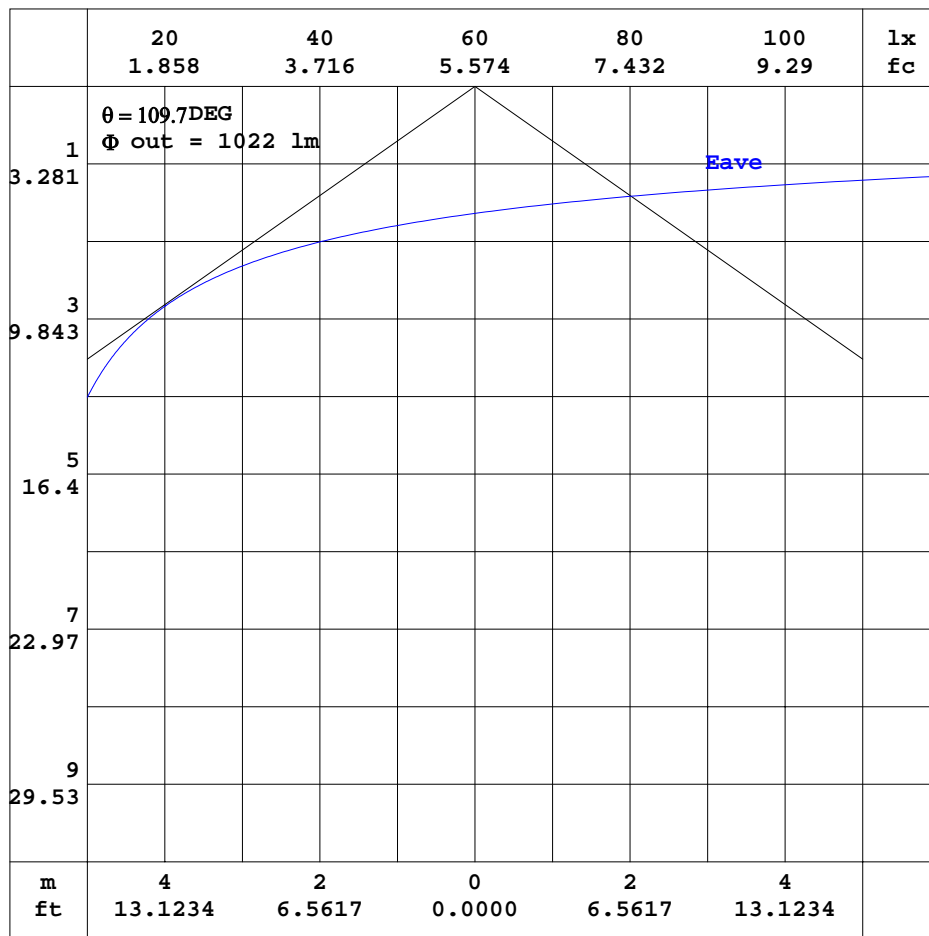


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-08

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:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



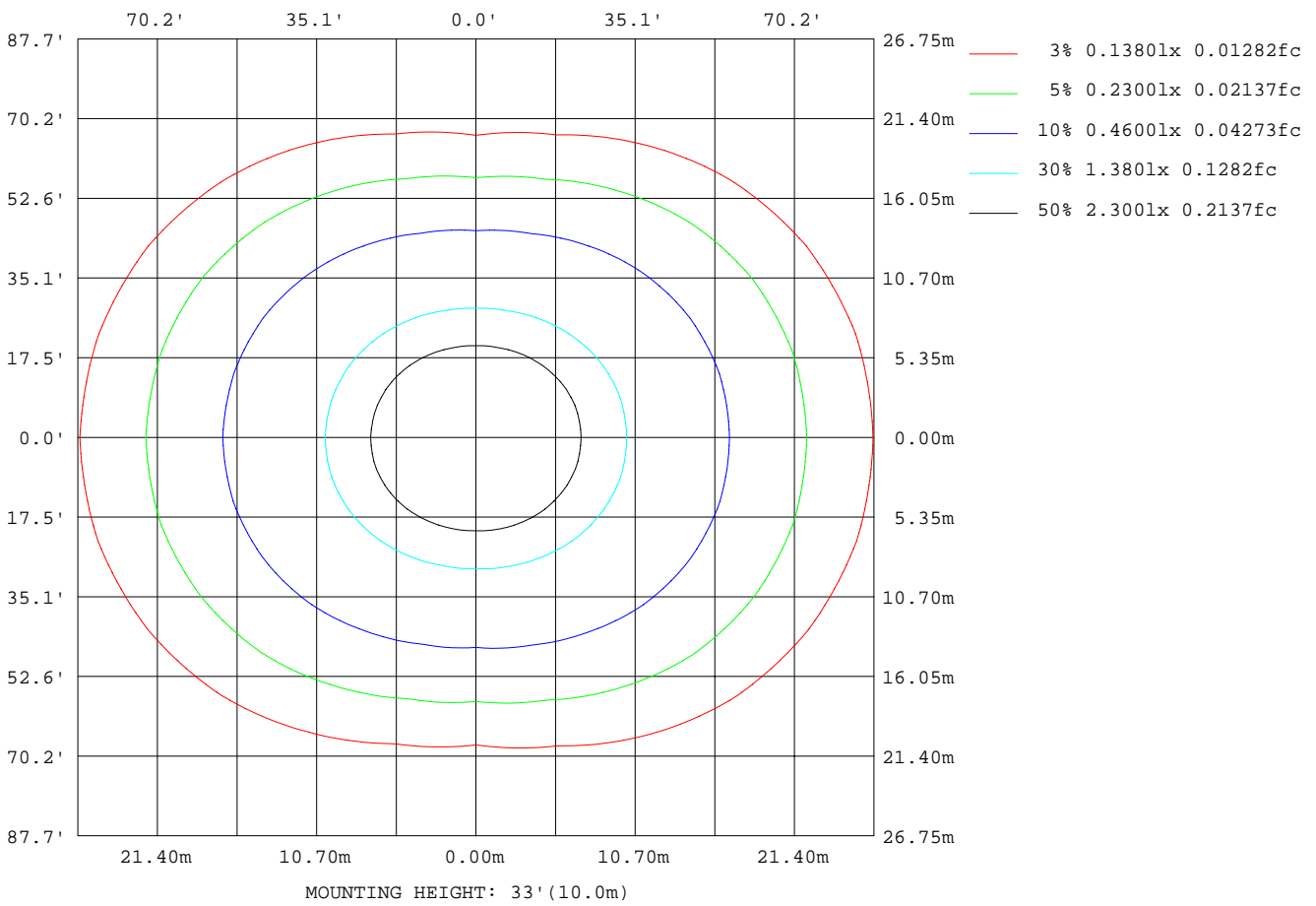
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-08

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:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	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:2022-04-08

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:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

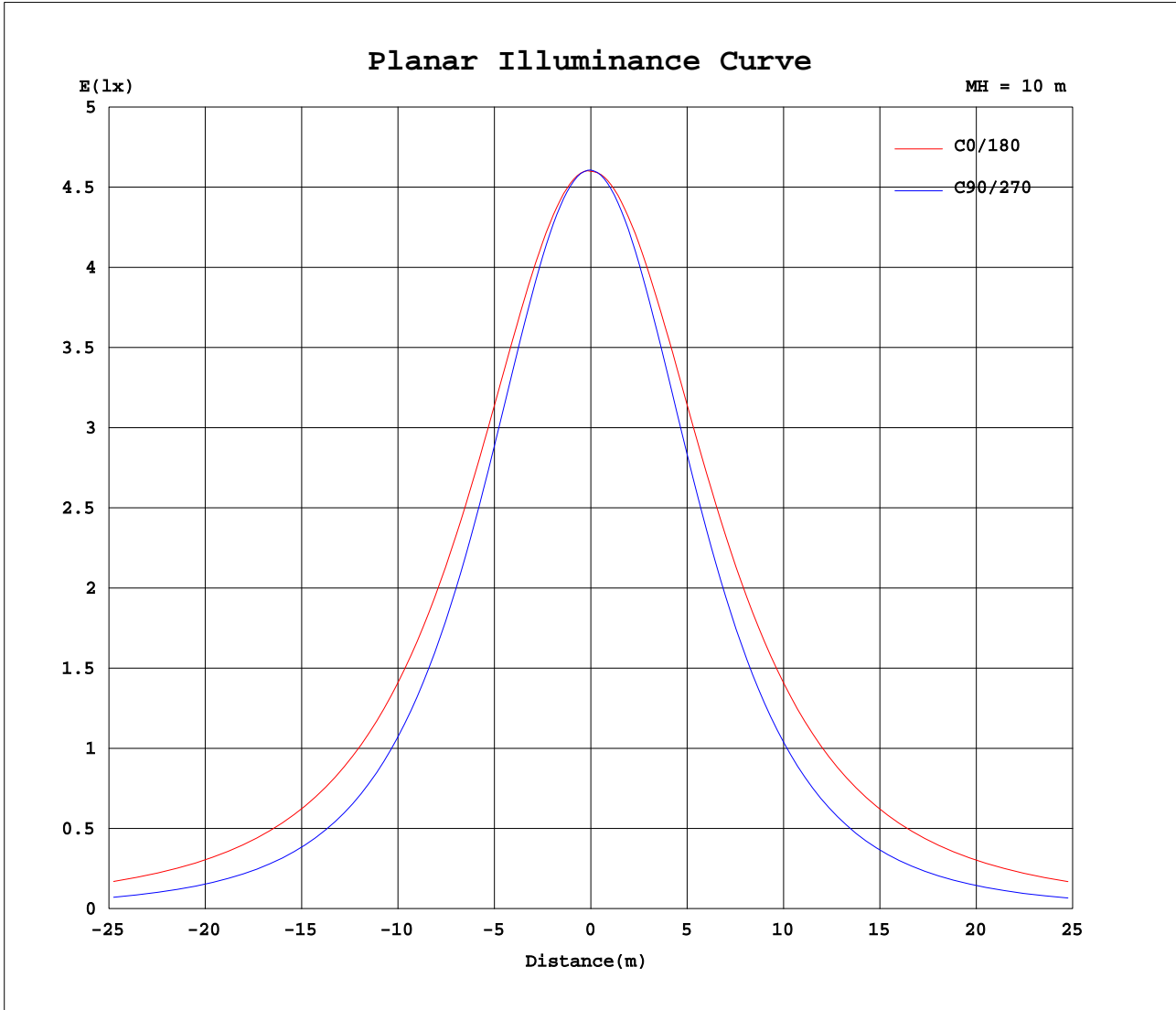
AvgL	cd/m2
L_0~180(65)av	7912
L_0~180(75)av	11445
L_0~180(85)av	29512
L_90~270(65)av	3667
L_90~270(75)av	3077
L_90~270(85)av	2128
L_45(65)av	6279
L_45(75)av	8488
L_45(85)av	20436

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-08

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-08

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:0.2325A P:30W PF:0.9357 Lamp Flux:2972x1 lm		
NAME: ASD-LVF23-36D30CC-NK 4000K	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	460	460	460	460	460	460	461	461	461	461	462	461	460	460	460	460	460	460	461
5	460	460	460	460	460	460	459	460	460	461	461	461	459	459	459	458	458	458	458
10	458	458	457	457	455	454	453	454	455	457	458	459	457	456	455	453	452	451	450
15	454	454	452	450	447	445	443	444	446	450	453	454	454	452	449	446	442	440	438
20	449	448	445	441	435	431	429	430	434	440	445	449	448	446	441	435	429	425	422
25	441	440	435	429	420	414	410	413	418	428	436	441	442	438	432	422	413	406	403
30	432	431	424	414	402	393	388	392	400	413	424	432	433	428	420	407	394	384	380
35	423	421	410	397	381	369	363	367	379	396	410	420	423	417	406	390	373	359	354
40	411	409	396	379	359	343	334	340	356	377	395	408	411	405	391	370	350	332	325
45	399	396	381	359	334	314	303	311	330	356	378	394	398	391	374	350	325	303	294
50	385	381	364	338	307	283	270	280	303	334	360	379	384	376	357	328	298	271	260
55	370	365	346	317	280	251	235	247	275	311	341	362	368	359	338	306	271	239	224
60	353	348	327	295	254	216	198	212	247	288	321	344	351	341	319	283	244	206	187
65	336	330	308	273	227	182	160	178	220	265	300	325	333	323	298	261	216	173	150
70	317	312	287	250	201	149	121	144	193	241	279	305	314	303	278	238	190	140	112
75	298	292	267	227	176	119	83.3	113	167	217	258	285	295	283	257	215	165	110	76.0
80	278	273	247	206	152	91.0	48.7	84.6	143	195	238	265	275	264	237	194	141	82.9	42.6
85	259	253	227	185	131	67.7	20.5	60.7	120	175	218	245	255	244	216	174	121	60.5	16.6
90	240	233	208	167	112	50.5	6.14	43.4	102	156	198	225	236	225	197	156	103	44.9	6.24
95	220	214	190	149	96.7	39.5	5.72	32.8	86.8	139	180	206	216	206	180	139	88.7	34.6	6.27
100	202	195	172	132	75.1	26.7	5.73	21.3	71.7	123	163	188	197	188	163	124	73.5	22.8	6.45
105	180	174	148	101	47.9	19.4	5.87	16.0	40.2	101	144	169	179	170	145	102	42.8	17.5	6.74
110	142	134	103	68.2	43.5	18.0	6.02	14.6	37.2	60.2	108	142	155	144	113	62.9	40.2	16.5	7.07
115	98.0	93.2	83.5	65.5	38.7	16.3	6.30	14.2	33.4	59.9	70.8	94.3	109	96.7	72.5	62.7	35.7	15.6	7.42
120	109	103	81.2	57.4	27.5	14.1	6.60	13.8	26.1	50.4	76.8	86.2	87.5	86.0	79.1	53.3	30.3	15.7	7.86
125	98.6	90.3	71.4	50.0	26.6	12.1	6.68	12.9	20.9	45.6	65.1	84.7	95.1	85.9	67.2	47.2	22.6	14.7	8.10
130	83.8	75.9	59.8	37.1	29.5	9.80	6.97	12.6	25.8	34.8	56.0	72.1	81.0	72.8	57.4	37.9	26.8	14.0	8.38
135	63.6	56.5	42.2	37.0	22.9	7.84	7.06	11.6	24.1	29.4	44.0	61.3	68.5	61.7	48.6	30.2	25.4	12.8	8.48
140	45.2	42.3	41.0	36.6	17.4	8.27	7.32	11.8	16.4	33.0	33.5	40.7	51.4	42.5	35.3	34.1	17.5	11.7	8.64
145	48.0	45.5	39.9	26.6	12.8	7.93	7.54	11.9	15.8	29.2	37.0	36.0	38.2	35.7	37.1	30.6	16.5	11.3	8.87
150	35.9	33.4	28.4	17.7	10.5	7.12	7.78	11.2	16.0	20.5	32.4	37.2	41.0	37.9	33.5	21.3	16.7	10.5	8.97
155	27.1	25.6	20.1	12.8	8.88	6.83	7.95	10.6	15.0	18.8	22.3	29.1	34.3	31.4	23.3	19.3	15.5	9.66	9.10
160	18.5	18.0	10.5	8.68	7.24	7.11	8.54	10.5	13.0	16.7	19.4	21.6	23.6	21.9	20.3	17.7	13.3	9.36	9.32
165	13.3	11.9	8.72	7.42	8.08	8.29	9.25	10.3	11.6	14.1	16.3	18.0	19.4	18.2	16.6	14.6	11.2	9.77	9.79
170	12.2	8.19	7.62	8.71	9.28	9.59	9.89	10.4	10.8	11.7	12.9	14.4	15.3	14.4	13.2	11.8	10.7	9.95	10.1
175	10.1	7.84	9.14	10.2	10.3	10.3	10.3	10.4	10.6	10.8	11.3	11.7	11.8	11.6	11.3	10.9	10.4	10.3	10.3
180	9.20	10.1	10.9	10.7	10.5	10.4	10.4	10.5	10.7	10.8	11.0	11.1	9.20	10.1	10.9	10.7	10.5	10.4	10.4

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-08

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

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NAME: ASD-LVF23-36D30CC-NK 4000K	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	461	461	461	462	461														
5	458	459	460	461	461														
10	451	454	456	458	459														
15	440	444	448	452	455														
20	425	430	437	444	449														
25	406	414	424	434	440														
30	384	395	408	422	431														
35	359	374	391	408	419														
40	332	350	371	393	407														
45	302	325	351	377	394														
50	271	298	330	360	379														
55	238	271	308	341	363														
60	204	244	286	322	346														
65	171	216	264	303	328														
70	138	190	241	283	309														
75	107	165	219	262	290														
80	80.5	142	198	243	270														
85	58.4	122	178	222	251														
90	43.2	104	160	203	232														
95	33.5	89.8	143	185	213														
100	22.4	66.9	126	168	194														
105	18.4	47.3	89.9	144	173														
110	17.2	42.7	64.6	98.9	134														
115	15.1	38.7	64.2	84.1	92.1														
120	14.8	26.8	57.3	79.2	99.6														
125	14.9	31.0	46.1	72.2	90.3														
130	14.3	26.5	35.0	59.3	74.1														
135	13.1	21.8	40.2	41.9	53.6														
140	12.6	18.3	33.1	42.8	43.6														
145	12.3	16.9	24.5	38.7	46.8														
150	12.0	16.6	18.7	28.4	34.3														
155	11.5	15.0	18.4	21.2	26.4														
160	11.1	13.2	15.9	16.8	19.2														
165	10.7	12.0	13.2	14.6	14.8														
170	10.6	11.0	11.6	12.1	12.7														
175	10.4	10.6	10.8	10.9	11.0														
180	10.5	10.6	10.8	11.0	11.1														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-08

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: