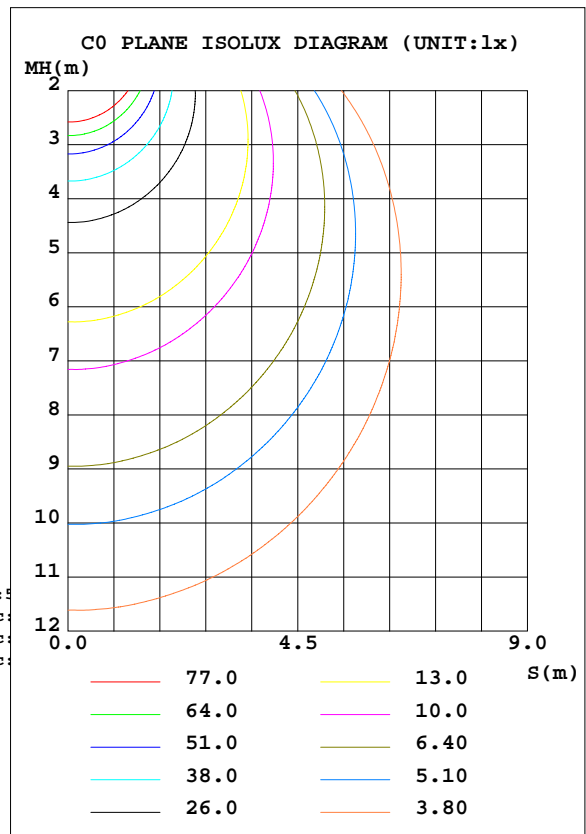
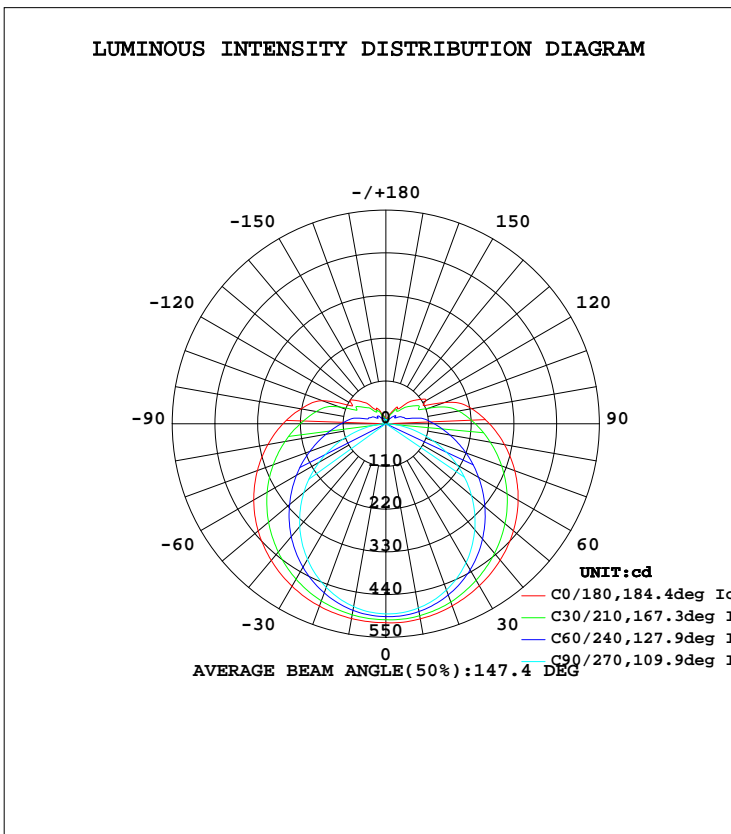


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104,7 lm/W			
MODEL	ASD-LVF23-36D30CC-NK	I _{max} (cd)	513.2	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)	3141	η UP, DN(C0-180)	9.1,41.2
NOMINAL FLUX(lm)	3141	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.2,40.5
LAMPS INSIDE	1	η up(%)	18.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.7	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	510.1	497.0	481.7	478.4	509.5	493.2	478.1	476.7	0- 10	46.86	46.86	1.97,1.97
20	499.3	480.0	455.9	460.8	499.8	473.8	448.6	457.0	10- 20	135.6	182.5	7.68,7.68
30	481.5	451.1	413.0	432.3	483.0	444.0	403.6	426.4	20- 30	210.2	392.7	16.5,16.5
40	458.2	413.3	356.4	394.2	459.2	404.4	344.9	387.4	30- 40	263.5	656.2	27.6,27.6
50	429.0	369.9	288.1	349.3	429.3	359.0	276.1	343.3	40- 50	291.5	947.7	39.9,39.9
60	393.2	323.6	211.5	301.0	393.0	311.2	198.9	296.8	50- 60	293.8	1241	52.3,52.3
70	353.2	275.3	130.4	251.7	351.9	262.0	118.9	249.4	60- 70	272.8	1514	63.8,63.8
80	310.3	227.0	52.91	203.3	308.5	214.7	45.07	204.3	70- 80	235.1	1749	73.7,73.7
90	266.9	184.5	7.264	161.8	265.0	173.2	6.981	164.5	80- 90	191.1	1940	81.7,81.7
100	224.8	147.3	6.216	127.7	222.0	138.4	6.860	129.4	90-100	152.1	2093	88.1,88.1
110	159.9	76.35	6.304	60.48	174.1	71.11	7.410	67.88	100-110	108.7	2201	92.7,92.7
120	119.0	63.45	6.913	52.28	101.2	60.02	8.265	58.70	110-120	64.46	2266	95.4,95.4
130	93.59	41.79	7.209	33.94	91.79	43.11	8.777	36.36	120-130	47.74	2313	97.4,97.4
140	50.93	40.83	7.625	34.48	56.41	37.71	9.032	34.00	130-140	29.53	2343	98.6,98.6
150	41.55	20.16	8.130	21.34	46.42	23.36	9.447	19.69	140-150	17.80	2361	99.4,99.4
160	22.10	9.383	9.014	17.57	26.71	19.36	9.876	16.45	150-160	9.315	2370	99.8,99.8
170	12.88	9.488	10.55	12.35	17.57	12.92	10.83	12.16	160-170	3.940	2374	100,100
180	10.26	11.76	11.16	11.45	10.30	11.68	11.21	11.41	170-180	1.104	2375	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

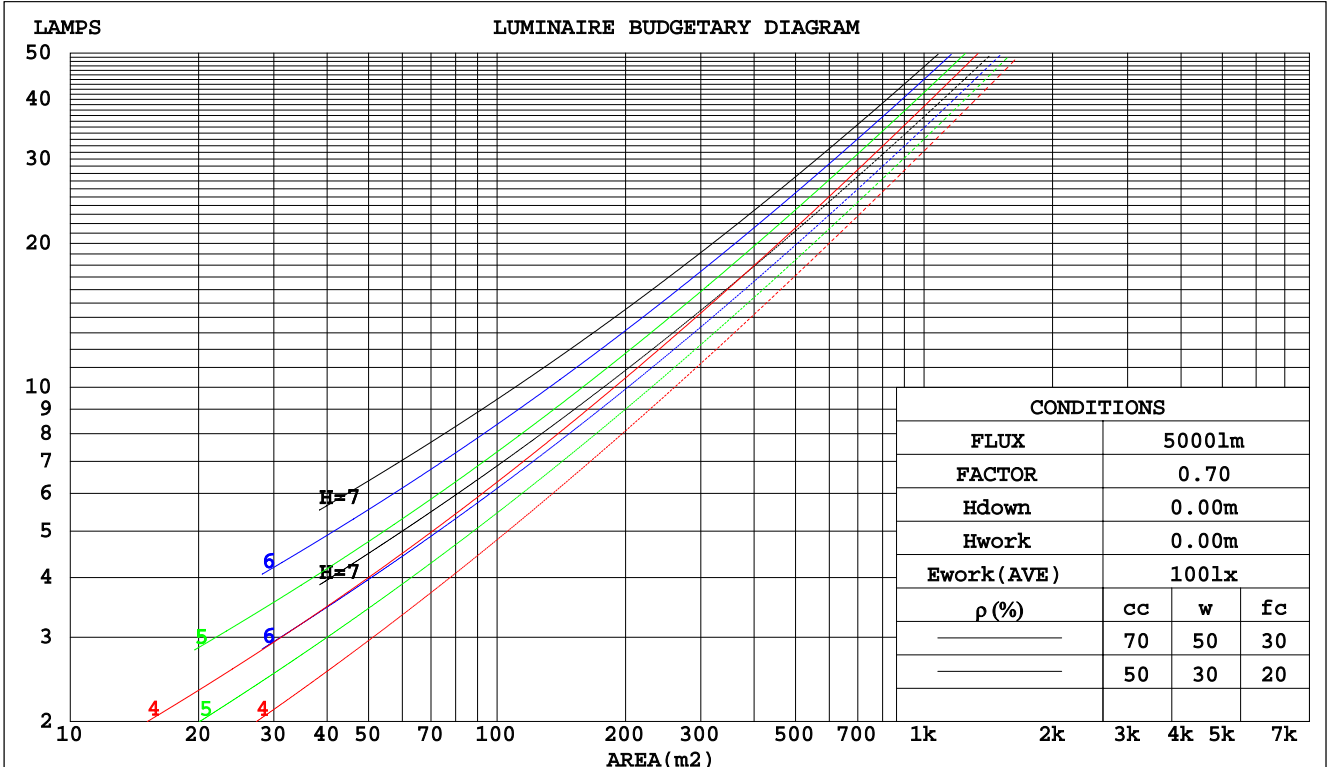
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-08

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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION 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	1.15	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	.66	.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	.51	.47	.43	.40
4.0	.62	.52	.45	.59	.50	.43	.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	.39	.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	.23	.21
8.0	.40	.31	.25	.39	.30	.25	.36	.28	.23	.33	.27	.22	.30	.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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	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	.394	.224	.071	.381	.217	.069	.357	.205	.065	.335	.193	.062	.314	.182	.059	
2.0	.339	.186	.057	.327	.180	.056	.305	.170	.053	.285	.160	.050	.267	.151	.048	
3.0	.300	.160	.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	.125	.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	.330	.330	.330	.282	.282	.282	.192	.192	.192	.111	.111	.111	.035	.035	.035	
1.0	.327	.296	.268	.280	.254	.231	.191	.175	.160	.110	.101	.093	.035	.033	.030	
2.0	.320	.273	.234	.274	.235	.202	.188	.163	.141	.108	.095	.083	.035	.031	.027	
3.0	.313	.257	.212	.268	.222	.184	.184	.154	.129	.106	.090	.076	.034	.029	.025	
4.0	.305	.244	.198	.261	.211	.172	.180	.147	.121	.104	.086	.072	.033	.028	.024	
5.0	.297	.235	.189	.255	.203	.164	.176	.142	.116	.102	.083	.069	.033	.027	.023	
6.0	.289	.227	.182	.249	.196	.158	.172	.137	.112	.100	.081	.066	.032	.026	.022	
7.0	.282	.220	.176	.243	.191	.154	.168	.134	.109	.097	.079	.065	.031	.026	.021	
8.0	.276	.214	.173	.237	.186	.150	.164	.131	.107	.095	.077	.064	.031	.025	.021	
9.0	.269	.210	.169	.232	.182	.148	.161	.128	.105	.094	.076	.063	.030	.025	.021	
10.0	.263	.206	.167	.227	.179	.146	.158	.126	.104	.092	.074	.062	.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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm										
NAME: ASD-LVF23-36D30CC-NK 5000K					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	19.2	20.6	19.7	21.1	21.7	16.7	18.0	17.2	18.6	19.1
3H	22.0	23.3	22.6	23.9	24.5	18.2	19.5	18.7	20.0	20.6
4H	23.6	24.8	24.2	25.4	26.0	18.8	20.0	19.4	20.6	21.2
6H	25.3	26.5	25.9	27.0	27.7	19.3	20.4	19.8	21.0	21.6
8H	26.3	27.4	26.8	28.0	28.6	19.4	20.5	20.0	21.1	21.8
12H	27.3	28.4	27.9	29.0	29.7	19.5	20.6	20.1	21.2	21.9
4H 2H	19.8	21.0	20.4	21.6	22.2	18.0	19.2	18.6	19.8	20.4
3H	22.9	23.9	23.5	24.5	25.2	19.8	20.9	20.4	21.5	22.2
4H	24.6	25.6	25.2	26.2	26.9	20.7	21.6	21.3	22.3	23.0
6H	26.6	27.4	27.2	28.1	28.8	21.3	22.2	22.0	22.8	23.6
8H	27.6	28.5	28.3	29.1	29.9	21.6	22.4	22.2	23.1	23.8
12H	28.9	29.6	29.6	30.3	31.1	21.7	22.5	22.4	23.2	24.0
8H 4H	25.0	25.8	25.6	26.5	27.2	21.9	22.8	22.6	23.4	24.2
6H	27.2	27.9	27.9	28.6	29.4	23.0	23.7	23.7	24.4	25.2
8H	28.5	29.2	29.3	29.9	30.7	23.5	24.2	24.2	24.9	25.7
12H	30.1	30.6	30.8	31.3	32.2	23.9	24.5	24.7	25.2	26.1
12H 4H	25.0	25.8	25.7	26.4	27.2	22.3	23.1	23.0	23.8	24.6
6H	27.4	28.0	28.1	28.7	29.5	23.7	24.3	24.4	25.1	25.9
8H	28.8	29.3	29.5	30.1	30.9	24.4	25.0	25.2	25.7	26.6
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 2375 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.0)

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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

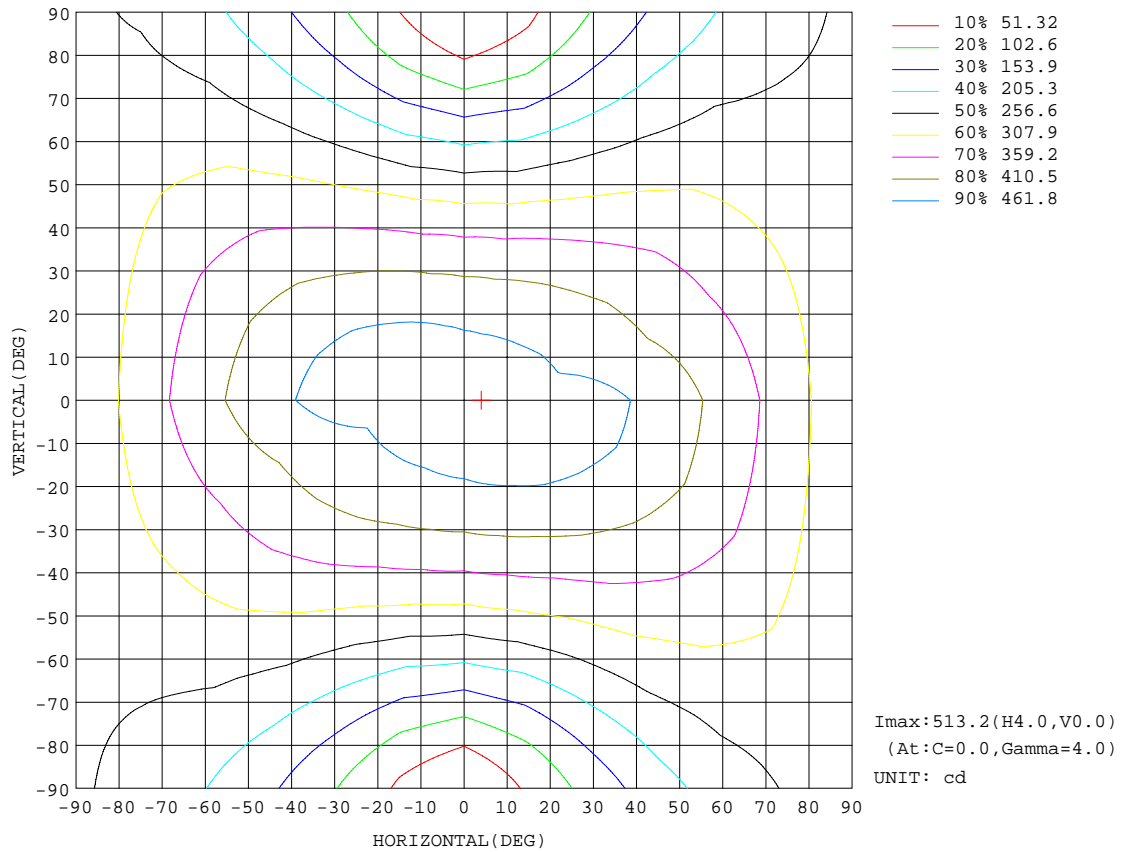
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	47	35	27	46	34	27	44	33	27	20
0.80	56	43	35	55	42	35	52	41	34	26
1.00	64	51	42	62	50	42	58	50	41	32
1.25	71	58	49	68	57	48	64	54	47	37
1.50	76	63	55	73	62	54	68	59	52	41
2.00	83	72	63	80	70	62	74	66	59	48
2.50	88	77	69	84	75	67	78	70	64	51
3.00	92	82	74	88	79	72	81	74	68	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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

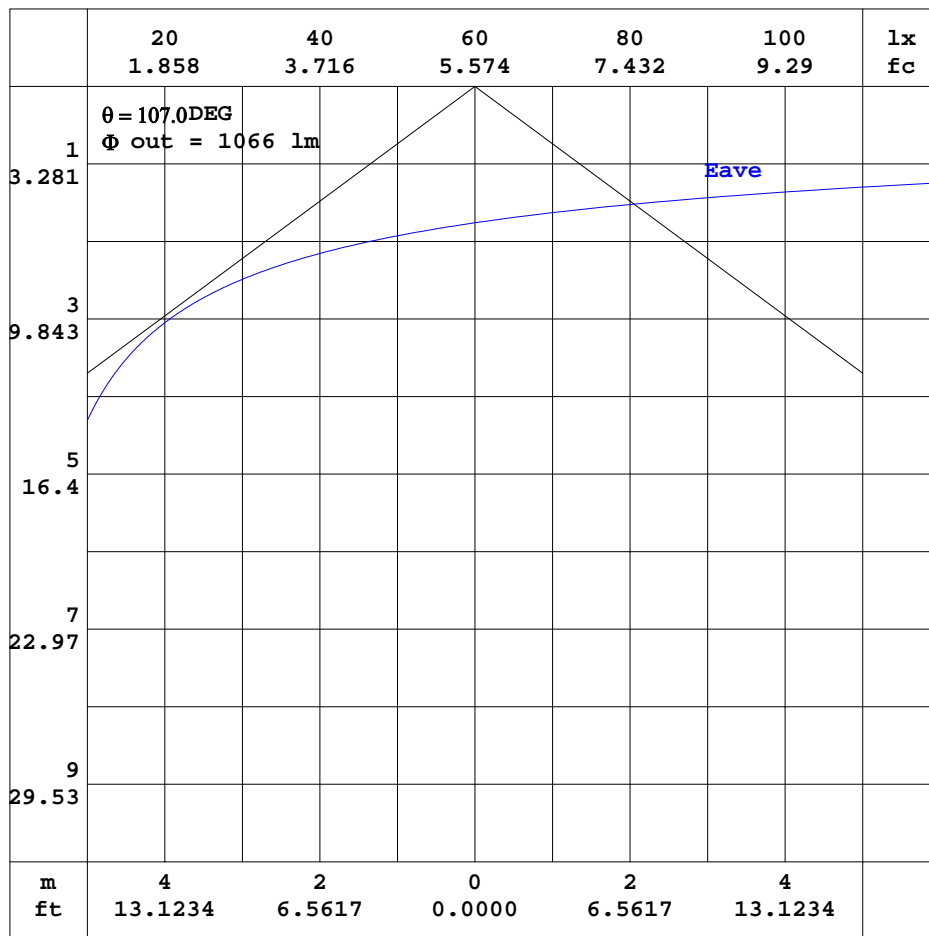


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-08

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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



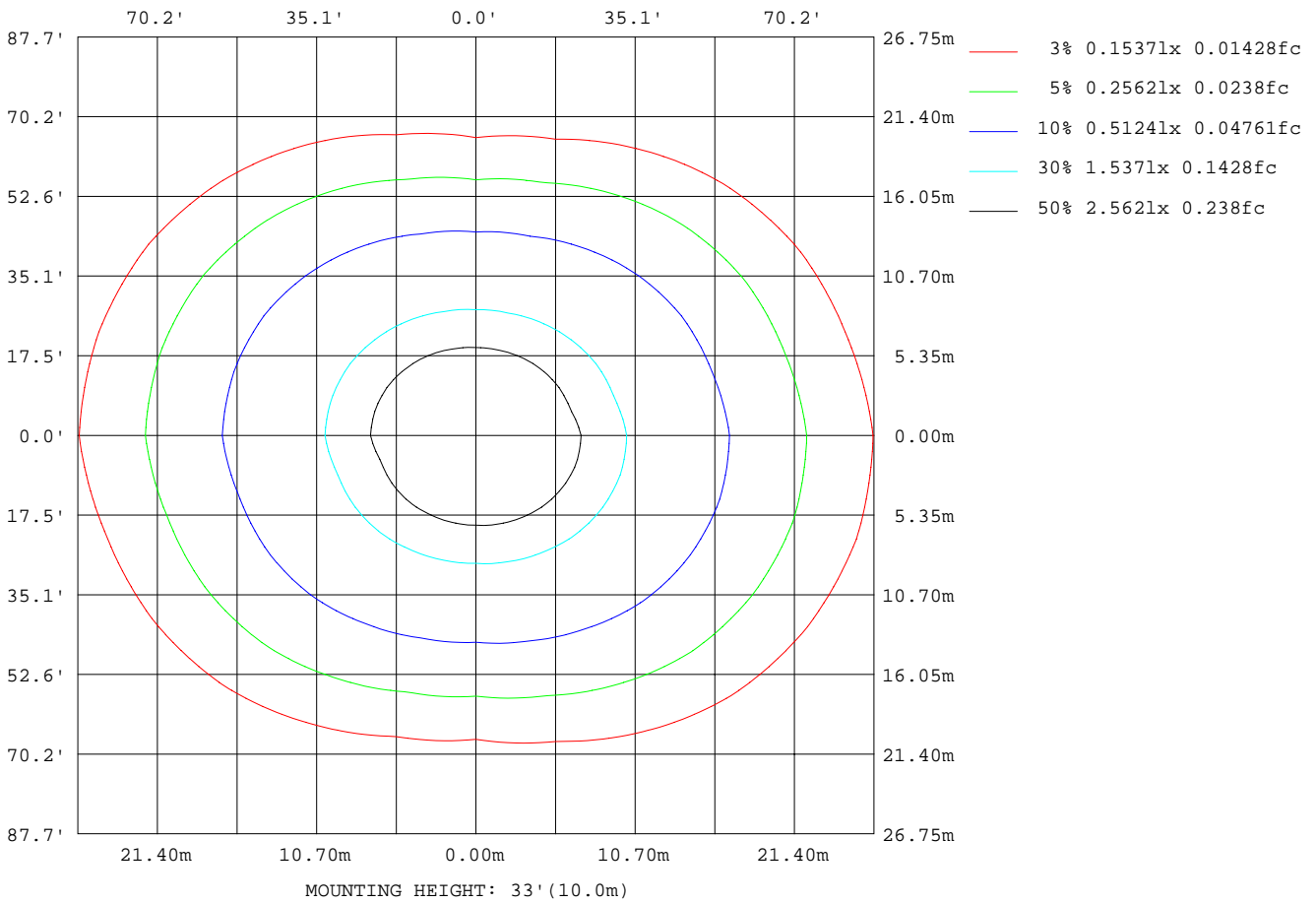
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

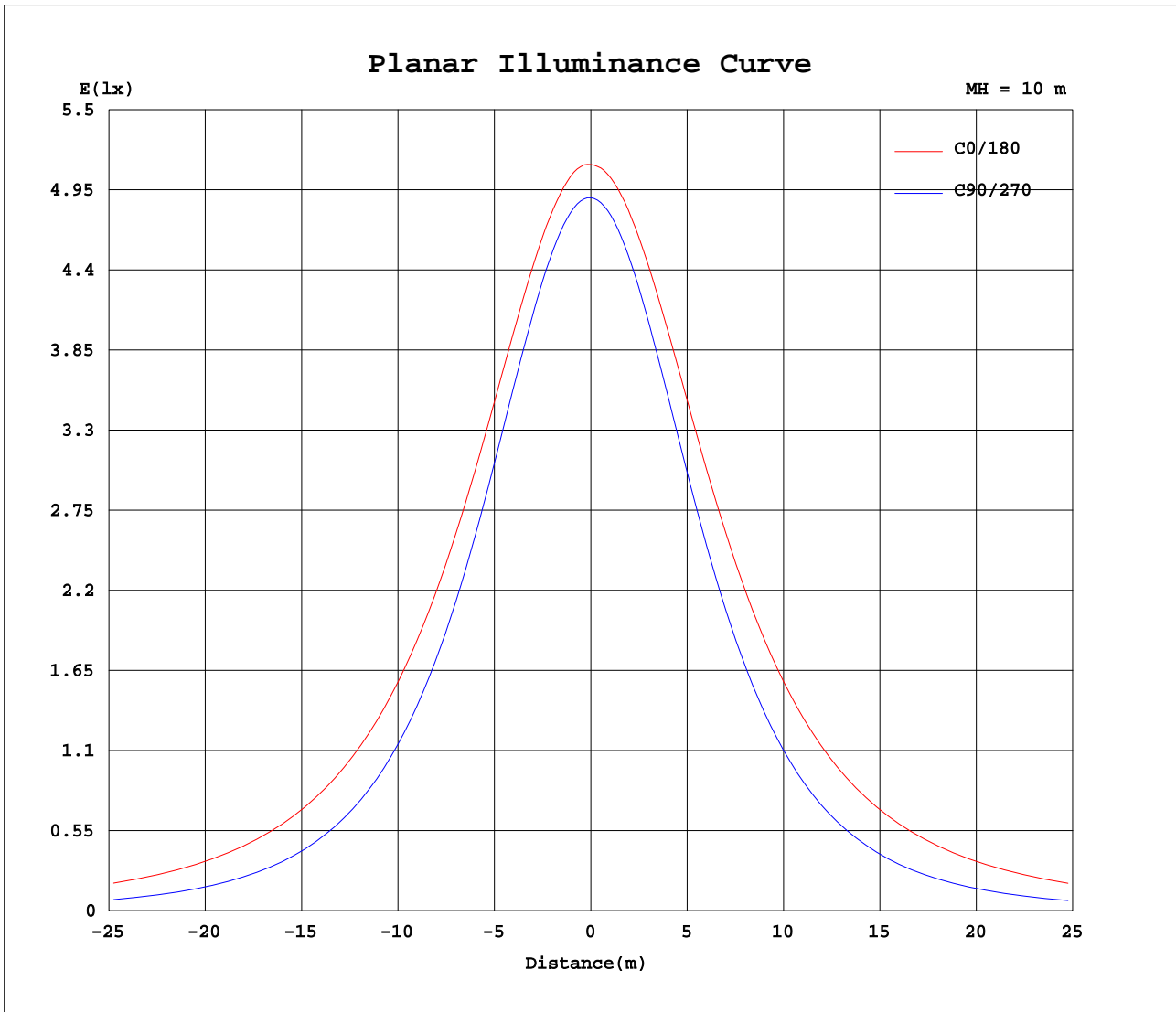
AvgL	cd/m2
L_0~180(65)av	8835
L_0~180(75)av	12794
L_0~180(85)av	33001
L_90~270(65)av	3909
L_90~270(75)av	3286
L_90~270(85)av	2332
L_45(65)av	6716
L_45(75)av	9100
L_45(85)av	21905

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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	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	512	509	505	500	497	493	490	487	485	483	482	480	512	509	505	500	497	493	490
5	513	509	505	501	496	492	488	486	484	482	481	479	512	508	503	498	494	490	486
10	510	507	502	497	491	487	482	480	478	478	478	477	509	505	500	493	488	482	478
15	506	503	496	490	482	477	471	470	469	471	472	473	505	500	494	485	478	470	466
20	499	496	489	480	470	462	456	455	456	461	464	467	500	494	486	474	464	454	449
25	491	487	478	467	453	444	436	437	440	448	454	459	493	485	475	460	447	435	428
30	482	478	465	451	434	422	413	414	421	432	442	449	483	475	462	444	427	411	404
35	471	466	451	433	412	396	386	389	399	414	428	438	472	463	448	425	404	385	376
40	458	454	435	413	387	368	356	360	374	394	411	425	459	449	431	404	379	356	345
45	444	439	419	392	361	338	324	329	347	372	394	410	445	434	413	382	352	324	312
50	429	423	400	370	333	305	288	296	318	349	375	394	429	417	394	359	324	291	276
55	412	406	381	347	305	270	250	261	289	325	355	377	412	399	374	335	295	257	239
60	393	387	360	324	276	234	211	224	259	301	334	358	393	380	353	311	266	222	199
65	374	367	339	299	248	198	171	188	230	276	313	338	373	359	331	286	238	187	159
70	353	347	317	275	220	163	130	152	201	252	291	318	352	338	309	262	208	153	119
75	332	325	295	251	193	131	89.7	118	173	226	269	297	330	316	286	238	182	121	80.4
80	310	304	273	227	168	101	52.9	87.3	148	203	247	276	309	294	264	215	157	92.0	45.1
85	289	282	252	205	145	76.3	22.9	61.6	124	182	226	256	287	273	242	193	134	68.2	17.8
90	267	260	230	185	125	57.7	7.26	43.3	105	162	206	236	265	252	220	173	115	51.4	6.98
95	246	240	210	166	108	45.5	6.28	32.4	89.1	144	187	215	244	231	201	155	99.5	40.1	6.77
100	225	218	191	147	85.4	30.8	6.22	20.8	72.5	128	169	196	222	211	182	138	83.3	26.7	6.86
105	201	194	165	114	52.7	22.4	6.25	15.9	41.6	103	150	177	202	191	163	114	49.1	20.1	7.09
110	160	152	118	76.3	48.2	20.0	6.30	15.0	38.2	60.5	110	146	174	161	127	71.1	45.6	18.6	7.41
115	111	106	92.8	74.5	43.1	19.2	6.55	14.1	34.6	61.2	74.8	96.5	122	108	82.8	70.0	40.3	17.8	7.77
120	119	113	93.5	63.4	31.8	16.1	6.91	14.2	24.5	52.3	79.4	92.2	101	97.9	88.7	60.0	34.9	17.7	8.27
125	110	101	79.6	57.1	27.7	13.7	6.92	13.0	22.3	47.5	67.9	88.6	108	96.5	75.9	52.9	25.5	16.5	8.49
130	93.6	85.9	66.8	41.8	32.8	11.0	7.21	13.0	26.9	33.9	58.5	75.6	91.8	81.8	64.8	43.1	29.3	15.5	8.78
135	72.5	66.0	46.8	39.0	26.1	8.77	7.31	12.1	25.1	31.1	43.3	64.1	77.6	69.3	54.9	33.7	28.4	14.3	8.87
140	50.9	48.2	43.4	40.8	19.4	8.79	7.62	12.1	16.9	34.5	34.9	42.4	56.4	48.0	40.0	37.7	20.1	13.1	9.03
145	52.4	49.2	44.6	30.3	14.5	8.76	7.86	12.3	16.4	30.4	38.7	39.0	43.4	40.4	41.6	33.9	18.2	12.6	9.32
150	41.6	39.5	31.7	20.2	11.4	7.68	8.13	11.7	16.5	21.3	33.8	39.0	46.4	42.4	37.5	23.4	18.3	11.5	9.45
155	31.3	29.3	23.0	14.1	9.65	7.34	8.34	11.2	15.7	20.0	23.2	28.8	38.5	34.4	25.9	21.0	17.1	10.5	9.59
160	22.1	20.2	12.0	9.38	8.14	7.63	9.01	11.1	13.4	17.6	20.3	22.6	26.7	24.6	22.4	19.4	14.6	10.1	9.88
165	15.6	13.3	9.33	8.16	8.71	8.95	9.84	10.9	12.1	14.8	17.4	19.0	22.1	20.4	18.4	15.9	12.3	10.4	10.4
170	12.9	9.31	8.33	9.49	10.0	10.4	10.5	11.0	11.3	12.3	13.7	15.3	17.6	16.2	14.8	12.9	11.6	10.6	10.8
175	12.0	8.72	9.96	11.1	11.2	11.1	11.0	11.1	11.1	11.3	11.6	12.1	12.5	12.8	12.5	11.8	11.2	11.0	11.0
180	10.3	11.1	12.0	11.8	11.4	11.3	11.2	11.2	11.3	11.4	11.5	11.6	10.3	11.0	12.0	11.7	11.5	11.2	11.2

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:119.9V I:0.2384A P:30W PF:0.9367 Lamp Flux:3141x1 lm		
NAME: ASD-LVF23-36D30CC-NK 5000K	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	487	485	483	482	480														
5	484	483	482	481	480														
10	476	476	477	478	477														
15	464	466	468	471	473														
20	448	452	457	463	467														
25	428	435	443	452	458														
30	405	415	426	439	448														
35	378	392	408	425	436														
40	349	367	387	409	423														
45	317	339	366	392	409														
50	284	311	343	374	394														
55	249	283	320	355	377														
60	214	254	297	335	359														
65	178	224	273	314	340														
70	143	197	249	293	321														
75	110	171	226	272	301														
80	81.1	146	204	251	280														
85	57.8	124	184	230	260														
90	42.0	106	164	210	240														
95	32.3	91.1	147	191	221														
100	21.5	67.1	129	173	202														
105	18.5	48.3	92.7	147	179														
110	17.2	43.3	67.9	105	138														
115	15.3	39.1	66.5	86.7	95.8														
120	15.2	27.6	58.7	82.9	106														
125	15.2	32.2	46.5	73.7	94.4														
130	14.5	26.7	36.4	61.1	76.9														
135	13.4	21.7	41.8	43.6	55.9														
140	13.0	19.3	34.0	44.3	45.6														
145	12.8	17.8	24.9	40.1	47.6														
150	12.4	17.2	19.7	29.5	36.2														
155	12.1	15.5	19.0	22.0	27.5														
160	11.6	13.8	16.4	17.5	19.9														
165	11.2	12.5	13.9	15.2	15.4														
170	11.1	11.5	12.2	12.6	13.3														
175	11.1	11.2	11.3	11.4	11.5														
180	11.2	11.3	11.4	11.5	11.5														

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: