Floodlight Summary:

Report based on lamp delivering 1000 lumens.

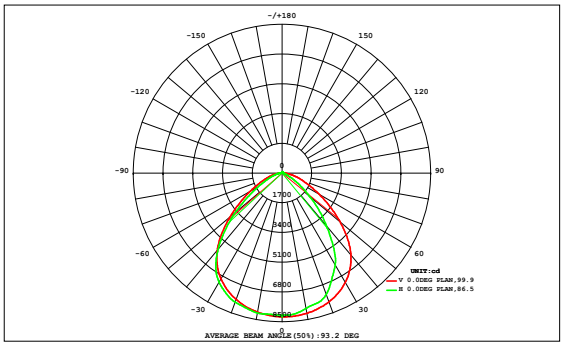
Maximum Intensity		**461.2 cd per klm.**
(Luminaire orientation as tested.)		**0.0 degrees vertical**
		-1.0 degrees horizontal
Beam Spread	**At 10% of Imax**	**127.5V x 148.5H**
	At 50% of Imax	**86.5V x 99.9H**
	At 90% of Imax	**47.6V x 52.6H**
Beam Flux	**Total**	**1000.1 lumens per klm.**
	To 10% of Imax	**951.4 lumens per klm.**
	To 50% of Imax	**708.3 lumens per klm.**
	To 90% of Imax	**257.1 lumens per klm.**
	Upward LOR	**1.0 %**
	Downward LOR	**99.0 %**
Luminaire Efficiency(Light Output Ratio)		**100.0 %**

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.49V I:0.9943A P:119.54W PF:0.9979 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17819.6x1 lm		
NAME: ASD-FL2-120BK-PC-AM	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.275*0.15	Shielding Angle:



DATA OF LAMP		Eff:149.06lm/W	
MODEL ASD-FL2-120BK-PC-AM		Imax(cd)	8219
NOMINAL POWER(W)	120	AVAILABILITY(%)	95.2
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	16956
NOMINAL FLUX(lm)	17819.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	17820
TEST VOLTAGE(V)	120	θ @50%(H,V)	100,87DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG) 20	30	40	50	60	70	80	90	Φ t	Φ a
90	0.13	0.83	2.01	3.02	3.83	4.50	4.85	5.08	5.13	5.02	4.76	4.33	3.81	3.06	2.20	1.29	0.43	0.05	54.3	0.00
80	0.26	1.82	4.57	7.36	9.95	12.0	13.0	13.7	13.8	13.5	12.9	11.9	10.6	8.52	6.06	3.54	1.24	0.12	145	0.00
70	0.40	2.81	7.33	12.7	18.6	24.2	28.5	31.8	33.1	32.4	29.9	26.1	21.6	16.3	10.8	6.03	2.13	0.23	305	206
60	0.53	3.78	10.3	19.5	31.4	45.2	58.6	69.2	74.9	73.6	65.5	53.7	40.5	27.6	16.9	8.69	3.01	0.34	603	580
50	0.65	4.70	13.5	28.4	50.1	78.4	107	128	139	137	123	98.9	70.4	44.1	24.7	11.5	3.84	0.44	1064	1050
40	0.75	5.53	16.7	38.7	73.3	117	157	185	198	196	179	148	107	64.8	33.6	14.4	4.59	0.53	1541	1531
30	0.82	6.22	19.7	48.3	95.0	147	189	216	229	227	211	181	136	85.0	42.1	17.0	5.21	0.60	1857	1849
	0.88	6.73	22.1	55.4	108	162	203	230	242	240	225	196	153	98.4	48.5	19.0	5.66	0.64	2016	2009
	0.90	6.99	23.4	59.0	114	168	208	235	247	244	230	202	160	104	51.9	20.1	5.88	0.66	2080	2073
	0.88	6.86	22.7	56.8	110	163	204	230	243	244	229	200	157	101	50.3	19.6	5.78	0.65	2044	2038
	0.83	6.34	20.3	49.3	96.1	148	189	217	231	232	217	187	143	89.1	43.9	17.6	5.36	0.61	1896	1888
-30	0.75	5.61	17.1	39.6	76.1	121	161	190	203	203	188	158	116	70.4	35.5	15.0	4.75	0.54	1606	1596
-40	0.65	4.74	13.6	29.4	53.4	84.2	116	141	154	154	139	112	79.2	49.1	26.5	12.0	3.99	0.45	1174	1161
-50	0.53	3.76	10.3	20.3	33.9	50.0	68.4	83.0	90.9	90.0	80.5	65.0	46.6	31.2	18.4	9.14	3.12	0.35	705	684
-60	0.41	2.73	7.22	12.9	19.5	26.5	33.4	38.7	41.5	41.0	37.4	31.7	24.9	18.0	11.7	6.37	2.19	0.25	356	291
-70	0.28	1.71	4.27	7.16	9.42	11.8	13.3	14.3	14.7	14.6	13.9	12.8	11.2	8.72	6.42	3.65	1.28	0.14	149	0.00
-80	0.16	0.83	1.76	2.72	3.05	3.60	3.73	3.84	3.81	3.77	3.72	3.51	3.28	2.68	2.26	1.34	0.51	0.06	44.6	0.00
-90	0.07	0.23	0.31	0.40	0.28	0.26	0.20	0.16	0.14	0.14	0.16	0.19	0.23	0.23	0.28	0.18	0.09	0.02	3.58	0.00
Φ t	9.88	72.2	217	491	905	1367	1759	2032	2166	2152	1990	1693	1285	823	432	186	59.1	6.67	17645	---
Φ a	0.00	24.8	177	452	866	1327	1717	1990	2124	2110	1948	1651	1243	782	391	143	11.0	0.00	---	16956

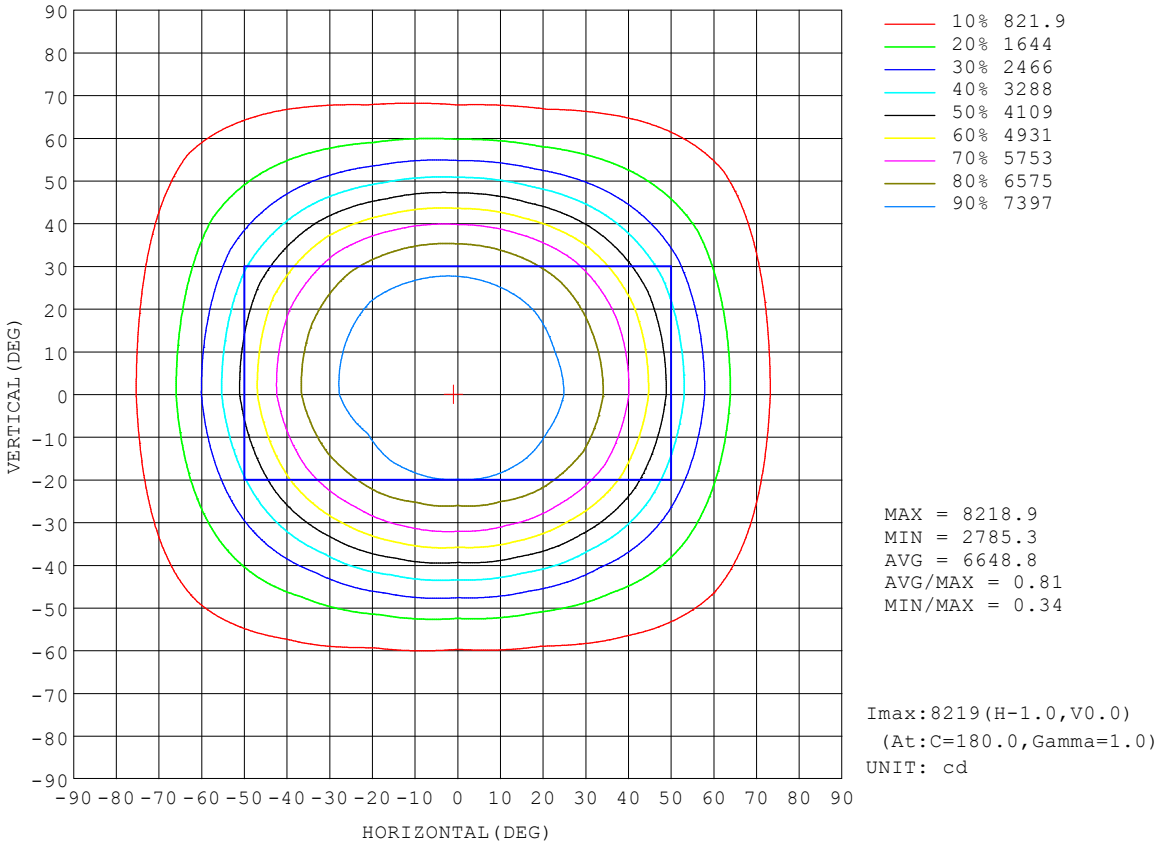
one-half-peak spread: U:36.5,D:38.4 , L:50.3,R:50.0 NEMA Beam Type: Type 7 x 6 (H x V)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.49V I:0.9943A P:119.54W PF:0.9979 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17819.6x1 lm		
NAME: ASD-FL2-120BK-PC-AM	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.275*0.15	Shielding Angle:

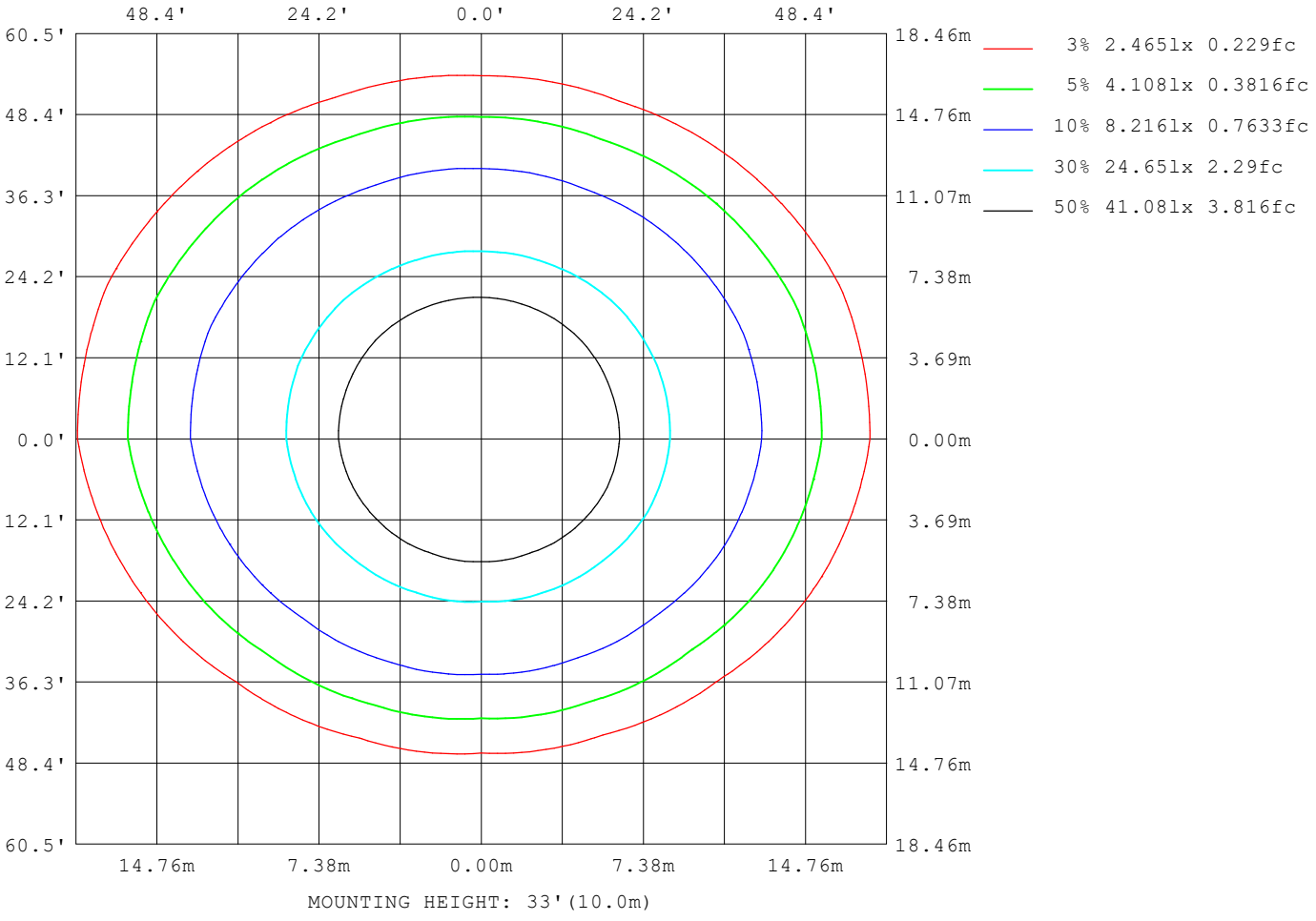


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

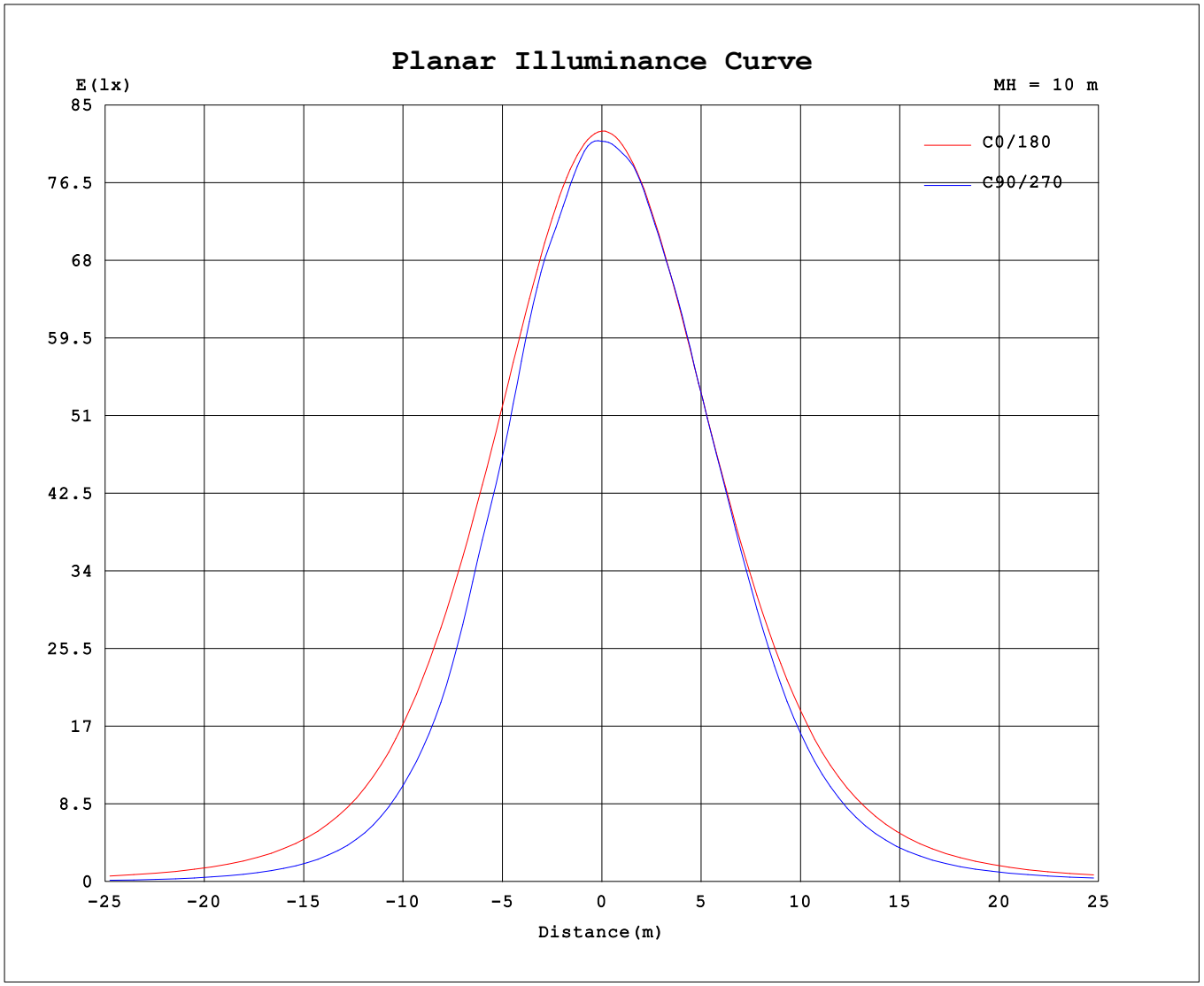
Test:U:120.49V I:0.9943A P:119.54W PF:0.9979 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17819.6x1 lm		
NAME: ASD-FL2-120BK-PC-AM	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.275*0.15	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

Planar Illuminance Curve



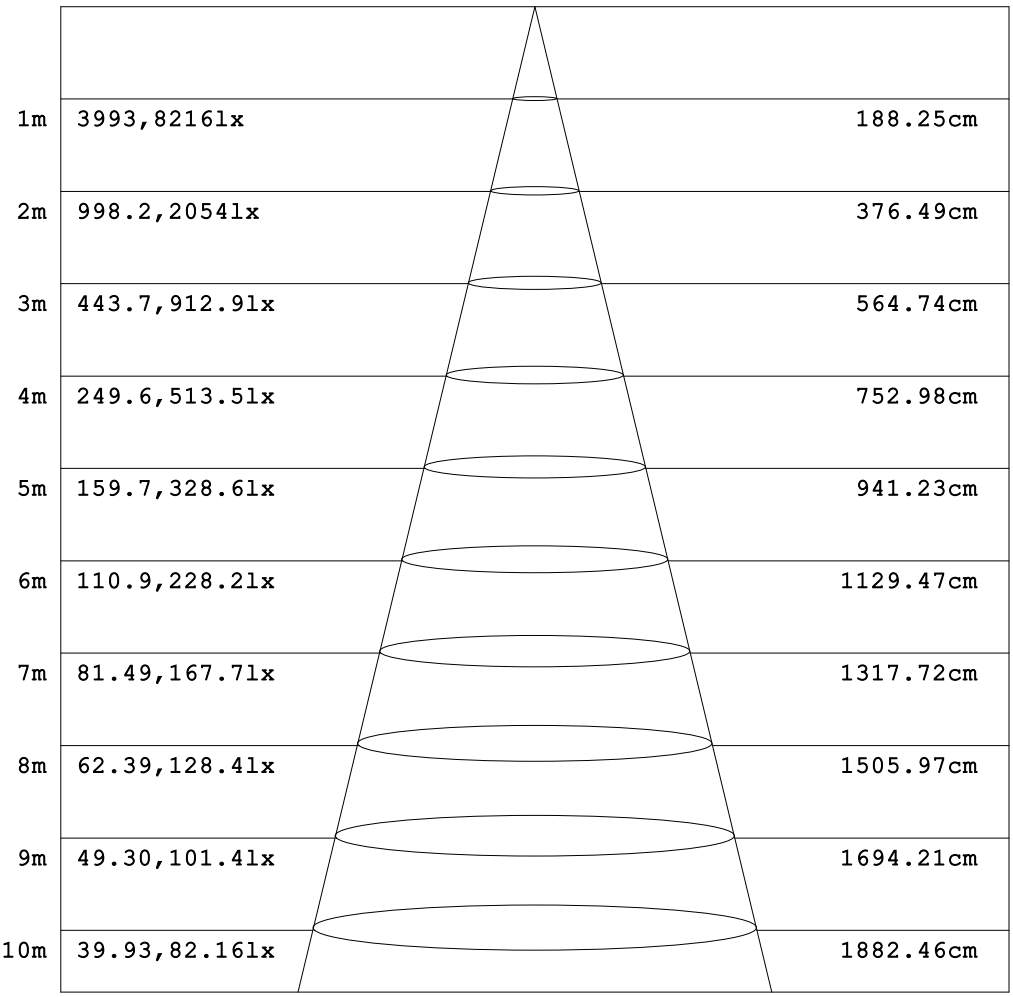
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.49V I:0.9943A P:119.54W PF:0.9979 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17819.6x1 lm		
NAME: ASD-FL2-120BK-PC-AM	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.275*0.15	Shielding Angle:

Flux out:11698 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: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.49V I:0.9943A P:119.54W PF:0.9979 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17819.6x1 lm		
NAME: ASD-FL2-120BK-PC-AM	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.275*0.15	Shielding Angle:

Table--1 UNIT: cd

H(DEG) / V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	14.7	10.8	13.6	17.1	21.0	25.3	29.7	34.2	38.6	42.9	46.9	50.6	54.1	57.6	61.0	63.8	66.3	68.0	68.5
-170	14.7	10.6	13.1	16.3	19.7	23.4	27.1	30.8	34.5	37.9	41.1	44.2	47.0	49.9	53.5	57.6	61.1	63.8	64.9
-160	14.7	10.4	12.5	15.2	18.0	21.0	23.9	26.7	29.4	31.9	34.1	37.7	41.4	45.0	48.5	51.7	54.3	56.1	56.8
-150	14.7	10.1	11.8	13.9	16.1	18.2	20.3	22.2	24.0	27.1	30.2	33.3	36.2	39.0	41.5	43.7	45.4	46.7	47.3
-140	14.7	9.80	10.9	12.5	14.0	15.4	16.7	18.4	20.8	23.2	25.6	27.9	30.2	32.2	34.0	35.5	36.9	37.8	38.2
-130	14.7	9.54	10.0	11.0	11.9	12.7	13.7	15.4	17.1	18.9	20.6	22.2	23.8	25.2	26.4	27.6	28.5	29.2	29.5
-120	14.7	9.34	9.24	9.57	9.94	10.2	11.2	12.3	13.5	14.6	15.7	16.7	17.7	18.5	19.3	20.0	20.6	21.1	21.3
-110	14.7	9.20	8.62	8.33	8.17	8.20	8.82	9.45	10.1	10.7	11.2	11.7	12.2	12.6	13.0	13.4	13.7	13.9	14.1
-100	14.7	9.63	8.28	7.50	6.82	6.52	6.70	6.89	7.09	7.27	7.43	7.57	7.69	7.78	7.89	8.04	8.16	8.24	8.28
-90	14.7	12.7	10.8	8.88	6.95	5.84	5.56	5.28	5.00	4.72	4.64	4.56	4.48	4.39	4.35	4.36	4.36	4.36	4.36
-80	14.7	36.0	52.7	61.0	60.4	60.5	66.9	64.2	53.5	34.6	37.1	36.9	33.3	25.4	21.7	22.2	20.7	17.6	13.4
-70	14.7	67.4	115	153	190	226	255	271	275	267	269	279	280	269	256	260	259	253	242
-60	14.7	101	186	272	356	441	512	561	602	639	674	724	758	771	767	807	826	822	796
-50	14.7	135	263	397	535	674	803	929	1066	1200	1324	1460	1612	1741	1847	1952	2039	2064	2026
-40	14.7	167	338	519	712	912	1138	1393	1675	1982	2295	2616	2968	3320	3586	3752	3934	4010	3972
-30	14.7	196	405	631	878	1164	1520	1941	2429	2983	3573	4150	4681	5126	5509	5799	5969	6077	6087
-20	14.7	220	461	726	1029	1414	1911	2517	3228	4024	4819	5508	6049	6468	6824	7076	7250	7370	7387
-10	14.7	237	503	799	1151	1626	2252	3016	3899	4823	5664	6339	6839	7176	7428	7632	7739	7826	7861
0	14.7	247	528	844	1228	1764	2477	3347	4322	5298	6129	6757	7225	7578	7837	8016	8138	8204	8216
10	14.7	245	522	829	1203	1718	2405	3255	4228	5208	6049	6678	7153	7527	7783	7946	8095	8140	8122
20	14.7	235	498	785	1126	1581	2183	2944	3836	4782	5647	6297	6794	7192	7497	7665	7794	7846	7855
30	14.7	218	458	714	1008	1377	1863	2465	3188	3930	4686	5385	5984	6438	6750	6982	7128	7200	7206
40	14.7	194	404	625	863	1142	1493	1897	2332	2829	3368	3929	4440	4859	5196	5445	5637	5721	5702
50	14.7	164	339	520	705	905	1121	1338	1579	1835	2116	2398	2669	2913	3112	3287	3425	3487	3468
60	14.7	131	266	405	543	681	790	898	1008	1118	1224	1317	1401	1468	1516	1582	1623	1629	1602
70	14.7	93.8	188	284	378	461	515	562	602	639	666	683	692	693	691	701	702	694	675
80	14.7	56.8	108	162	215	255	276	289	298	302	310	312	308	298	294	294	291	285	277
90	14.7	25.4	36.0	46.7	57.4	62.6	62.4	62.2	62.0	61.8	60.3	58.7	57.2	55.7	54.5	53.7	52.9	52.0	51.2
100	14.7	14.4	11.5	9.92	9.68	9.38	9.03	8.79	8.55	8.31	8.22	8.10	7.98	7.83	7.76	7.80	7.80	7.77	7.70
110	14.7	10.8	9.98	10.0	10.3	10.7	11.1	11.6	11.9	12.3	12.6	13.0	13.2	13.4	13.6	13.9	14.0	14.1	14.1
120	14.7	10.1	10.3	11.0	12.1	13.3	14.4	15.4	16.4	17.4	18.3	19.2	20.1	20.8	21.3	21.9	22.4	22.7	22.7
130	14.7	10.1	10.9	12.4	14.2	16.0	17.8	19.6	21.3	23.1	24.7	26.2	27.7	29.0	30.1	31.0	31.9	32.4	32.6
140	14.7	10.2	11.6	13.8	16.1	18.6	21.1	23.7	26.3	28.7	31.1	33.2	35.2	37.1	38.7	40.0	41.2	42.0	42.3
150	14.7	10.4	12.3	15.0	17.9	21.0	24.2	27.5	30.8	33.9	36.8	39.5	42.1	44.3	46.4	48.0	49.4	50.5	51.0
160	14.7	10.6	12.9	16.0	19.4	23.0	26.8	30.7	34.4	38.1	41.5	44.7	47.6	50.2	52.6	54.8	56.6	58.0	58.8
170	14.7	10.7	13.4	16.7	20.4	24.5	28.7	32.9	37.1	41.1	44.9	48.4	51.6	54.5	57.4	59.9	62.1	64.0	65.2
180	14.7	10.8	13.6	17.1	21.0	25.3	29.7	34.2	38.6	42.9	46.9	50.6	54.1	57.6	61.0	63.8	66.3	68.0	68.3

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.49V I:0.9943A P:119.54W PF:0.9979 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17819.6x1 lm		
NAME: ASD-FL2-120BK-PC-AM	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.275*0.15	Shielding Angle:

Table--2 UNIT: cd

H(DEG) / V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-180	66.9	64.2	60.5	56.2	51.5	46.8	42.3	38.0	33.8	29.7	25.7	22.0	18.4	15.1	12.2	9.58	7.39	7.14
-170	63.9	61.9	59.1	55.4	51.2	46.7	42.3	38.0	33.8	29.6	25.7	21.9	18.3	15.1	12.2	9.56	7.38	7.14
-160	56.4	55.0	53.0	50.4	47.1	43.6	40.0	36.3	32.3	28.4	24.6	21.1	17.7	14.7	11.9	9.39	7.33	7.14
-150	47.2	46.5	45.2	43.4	41.2	38.5	35.6	32.5	29.3	26.1	22.8	19.6	16.6	13.9	11.3	9.08	7.23	7.14
-140	38.3	37.9	37.1	35.9	34.3	32.4	30.2	27.8	25.3	22.8	20.2	17.7	15.1	12.8	10.6	8.65	7.10	7.14
-130	29.6	29.5	29.0	28.2	27.1	25.8	24.4	22.8	20.9	19.0	17.1	15.3	13.4	11.5	9.72	8.12	6.95	7.14
-120	21.5	21.4	21.2	20.8	20.2	19.4	18.6	17.6	16.4	15.2	13.9	12.7	11.4	10.0	8.72	7.56	6.85	7.14
-110	14.2	14.3	14.2	14.1	13.9	13.6	13.2	12.7	12.2	11.5	10.8	10.1	9.38	8.53	7.71	7.07	6.79	7.14
-100	8.43	8.54	8.61	8.64	8.66	8.65	8.61	8.54	8.43	8.21	7.97	7.72	7.49	7.20	6.92	6.77	6.81	7.14
-90	4.47	4.59	4.70	4.81	4.94	5.08	5.23	5.37	5.52	5.72	5.93	6.13	6.33	6.52	6.67	6.83	6.99	7.14
-80	16.5	18.6	19.4	18.6	21.2	27.4	29.6	29.0	26.6	41.4	48.0	46.2	40.6	34.7	27.8	17.3	7.67	7.14
-70	251	256	256	250	260	266	262	250	244	245	236	217	185	143	104	64.2	21.2	7.14
-60	813	809	784	741	737	720	684	634	592	551	507	457	386	297	208	125	44.7	7.14
-50	2039	1992	1887	1767	1647	1514	1364	1231	1106	974	841	721	596	459	322	192	72.2	7.14
-40	3983	3878	3665	3463	3169	2802	2442	2115	1817	1526	1259	1017	804	617	432	258	99.4	7.14
-30	6058	5922	5726	5408	4976	4489	3932	3332	2744	2210	1743	1348	1021	760	531	317	124	7.14
-20	7374	7251	7061	6778	6381	5906	5304	4558	3718	2924	2244	1683	1232	888	613	366	144	7.14
-10	7859	7778	7650	7414	7100	6694	6120	5366	4462	3520	2672	1964	1407	989	674	401	158	7.14
0	8169	8071	7915	7690	7390	6989	6467	5769	4871	3878	2941	2143	1514	1049	709	421	166	7.14
10	8046	7949	7763	7551	7254	6857	6345	5649	4753	3772	2853	2079	1477	1028	697	416	164	7.14
20	7787	7678	7497	7268	6915	6473	5907	5186	4301	3385	2566	1892	1359	962	657	394	155	7.14
30	7142	7008	6802	6510	6130	5605	4960	4232	3483	2785	2137	1609	1184	859	594	359	140	7.14
40	5650	5493	5228	4922	4535	4072	3539	2998	2490	2034	1645	1288	979	730	513	310	119	7.14
50	3430	3313	3124	2906	2678	2417	2146	1874	1617	1379	1161	964	770	589	417	252	92.9	7.14
60	1597	1559	1490	1401	1340	1266	1177	1084	983	878	775	672	568	440	314	186	64.4	7.14
70	679	674	660	638	630	621	607	585	553	515	473	425	371	292	203	117	37.2	7.14
80	279	279	276	271	271	273	270	263	252	244	230	209	184	145	96.5	51.0	17.2	7.14
90	49.4	47.6	45.8	43.9	42.6	41.8	41.0	40.2	39.5	35.1	30.8	26.5	22.2	18.6	15.8	12.9	10.0	7.14
100	7.88	8.03	8.14	8.20	8.37	8.62	8.82	9.00	9.17	9.41	9.62	9.80	10.00	9.66	8.93	8.26	7.92	7.14
110	14.3	14.4	14.4	14.3	14.2	14.2	14.0	13.7	13.4	13.1	12.8	12.4	12.0	10.7	9.31	8.25	7.50	7.14
120	23.0	23.0	22.7	22.3	22.0	21.4	20.7	19.8	18.9	18.0	16.9	15.9	14.6	12.3	10.2	8.55	7.44	7.14
130	32.8	32.7	32.2	31.5	30.6	29.5	28.2	26.6	25.0	23.2	21.4	19.5	16.7	13.8	11.2	8.98	7.44	7.14
140	42.5	42.3	41.5	40.6	39.3	37.6	35.6	33.4	31.0	28.5	25.9	22.3	18.4	15.0	12.0	9.40	7.49	7.14
150	51.2	50.8	50.0	48.8	47.0	44.9	42.4	39.6	36.5	33.3	28.4	23.8	19.5	15.8	12.5	9.69	7.53	7.14
160	58.8	58.1	57.1	55.5	53.3	50.8	47.8	44.4	39.1	33.8	28.9	24.2	19.9	16.0	12.7	9.82	7.53	7.14
170	64.8	64.0	62.5	60.5	56.9	52.1	47.2	42.3	37.4	32.5	27.9	23.5	19.5	15.8	12.6	9.79	7.48	7.14
180	66.9	64.2	60.5	56.2	51.5	46.8	42.3	38.0	33.8	29.7	25.7	22.0	18.4	15.1	12.2	9.58	7.39	7.14

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks: