

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

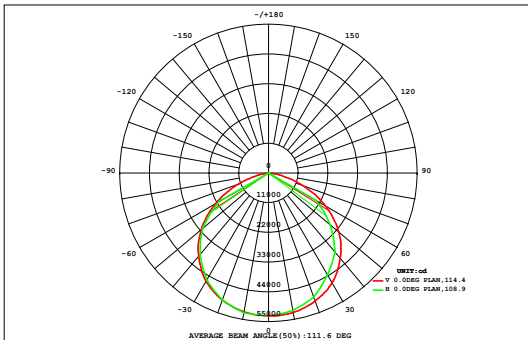
Maximum Intensity (Luminaire orientation as tested.)		385.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	127.1V x 153.8H 108.9V x 114.4H 48.5V x 55.6H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	991.0 lumens per klm. 984.9 lumens per klm. 804.3 lumens per klm. 231.8 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.1 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:224.78V I:4.5126A P:1002.2W PF:0.9881 Freq:50.03Hz Lamp Flux:137063x1 lm		
NAME: ASD-LMAL-1000D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:136.76lm/W	
MODE:ASD-LMAL-1000D50-PRM		I <sub>max</sub> (cd)	52841
NOMINAL POWER (W)	1000	AVAILABILITY (%)	99.6
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	136568
NOMINAL FLUX (lm)	137063	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	137063
TEST VOLTAGE (V)	220	θ @50% (H,V)	114,109DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																			UNIT: lm	Φ t	Φ a															
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90																		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50	0.59	15.4	79.3	204	374	559	727	854	919	922	861	740	575	392	221	90.7	19.8	0.94	7555	7487																	
40	0.99	24.9	116	278	482	694	880	1015	1086	1087	1021	890	708	496	291	126	29.5	1.44	9228	9184																	
30	1.56	36.4	157	359	604	848	1062	1211	1291	1292	1216	1069	858	614	369	167	41.3	2.11	11199	11165																	
	2.11	46.8	194	427	704	972	1205	1366	1452	1453	1370	1210	981	714	440	204	52.0	2.72	12794	12768																	
	2.61	54.5	219	473	769	1054	1298	1467	1556	1556	1470	1302	1061	777	483	227	59.2	3.19	13830	13808																	
	2.85	58.4	231	495	798	1090	1338	1510	1599	1599	1513	1343	1098	806	504	239	63.0	3.41	14291	14270																	
	2.82	58.6	231	492	793	1082	1327	1497	1584	1585	1500	1331	1089	800	500	237	62.3	3.35	14174	14153																	
	2.28	53.3	216	466	756	1034	1273	1438	1524	1525	1441	1277	1042	763	474	223	57.3	2.78	13567	13545																	
-30	1.58	43.6	190	417	684	943	1167	1322	1404	1405	1325	1171	949	690	423	195	48.2	1.97	12382	12356																	
-40	1.12	30.9	152	349	583	815	1017	1159	1233	1234	1162	1023	822	590	356	160	35.7	1.41	10724	10691																	
-50	0.76	20.5	111	274	469	670	847	974	1039	1040	976	852	676	474	278	119	23.4	1.02	8846	8800																	
-60	0.45	11.5	66.6	179	321	473	609	710	762	763	714	615	480	328	185	73.7	13.5	0.59	6306	6234																	
-70	0.20	4.26	23.2	62.3	113	168	218	255	272	270	249	208	155	99.8	50.6	16.3	2.13	0.05	2168	2107																	
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90																				
Φ t	19.9	459	1986	4477	7448	10402	12967	14779	15721	15732	14817	13031	10496	7544	4575	2077	507	25.01	137063	---																	
Φ a	0.00	305	1911	4472	7448	10402	12967	14779	15721	15732	14817	13031	10496	7544	4561	2023	359	0.00	---	136568																	

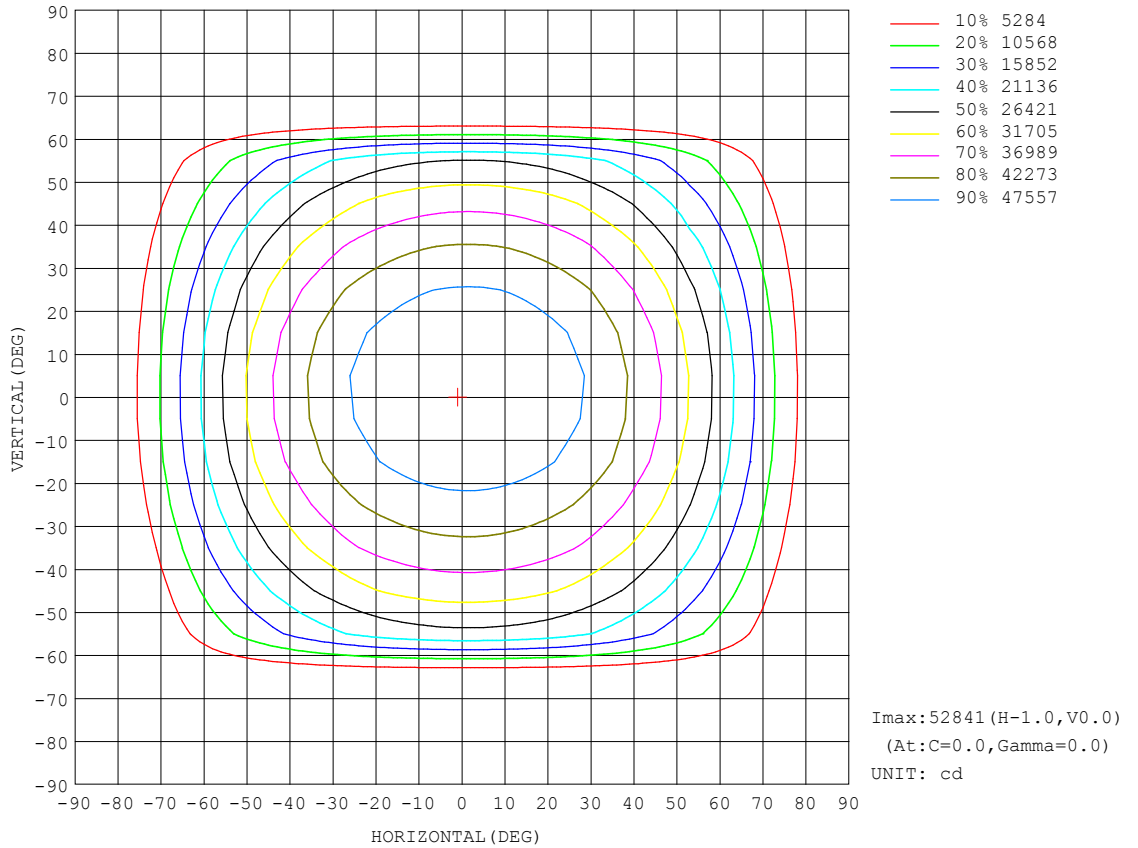
one-half-peak spread: U:53.7,D:56.5 , L:57.2,R:51.5 NEMA Beam Type: Type 7 x 6 (H x V)

**H(β)** Range:-90 - 90DEG  
**H(β)** Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2018

**V(B)** Range:-60 - 60DEG  
**V(B)** Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:7.890m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:224.78V I:4.5126A P:1002.2W PF:0.9881 Freq:50.03Hz Lamp Flux:137063x1 lm		
NAME: ASD-LMAL-1000D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

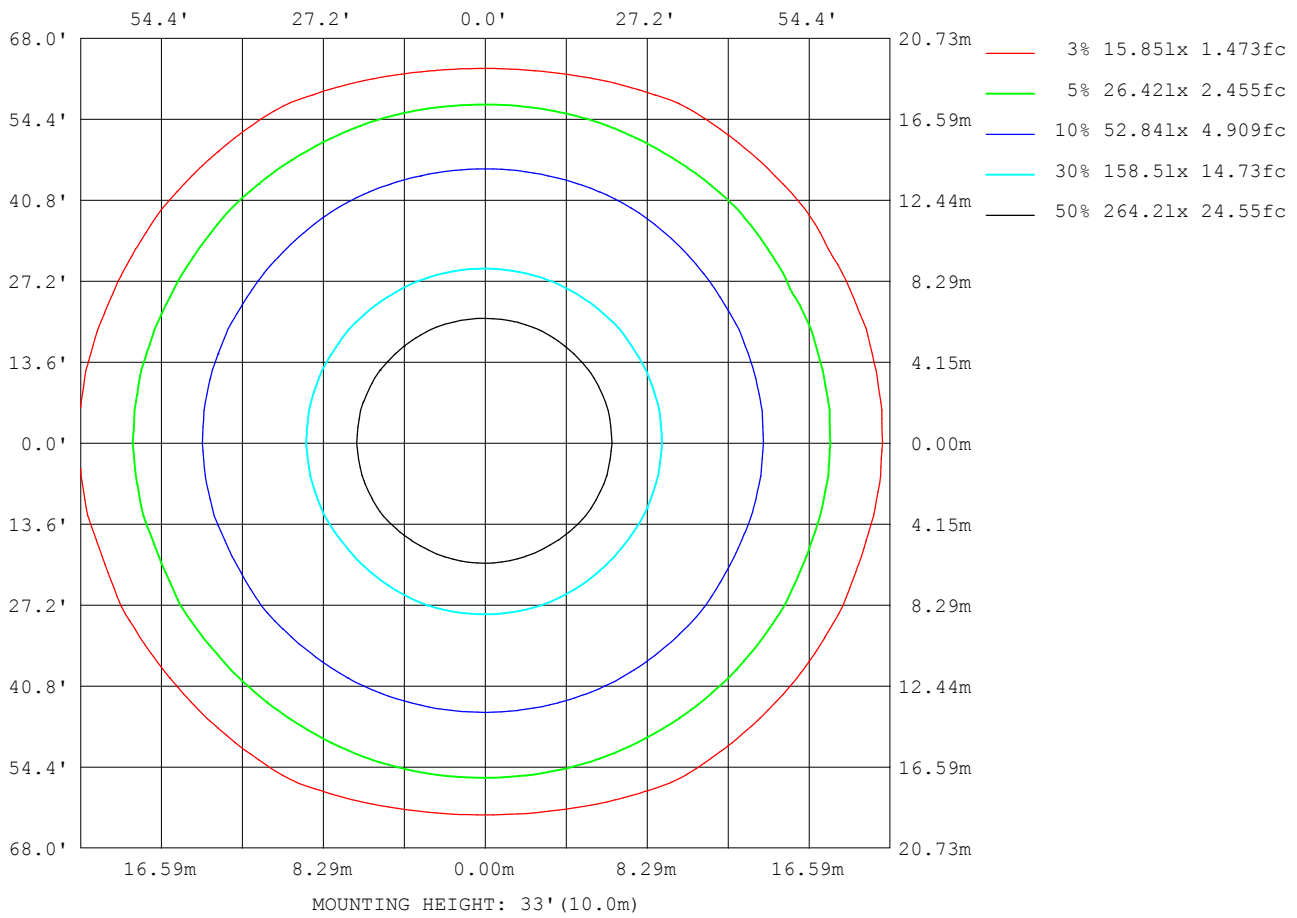


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:7.890m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

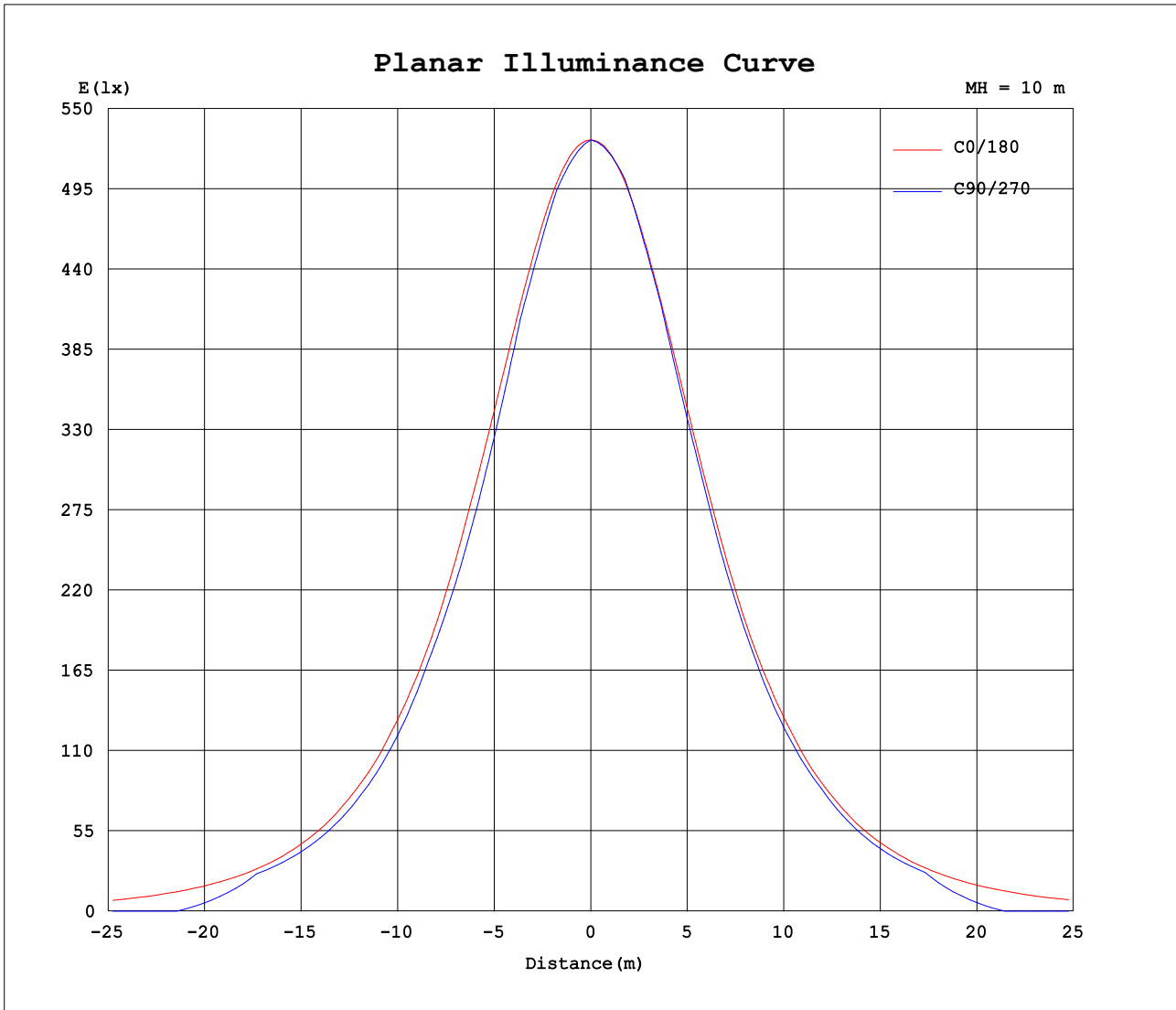
Test:U:224.78V I:4.5126A P:1002.2W PF:0.9881 Freq:50.03Hz Lamp Flux:137063x1 lm		
NAME: ASD-LMAL-1000D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:7.890m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



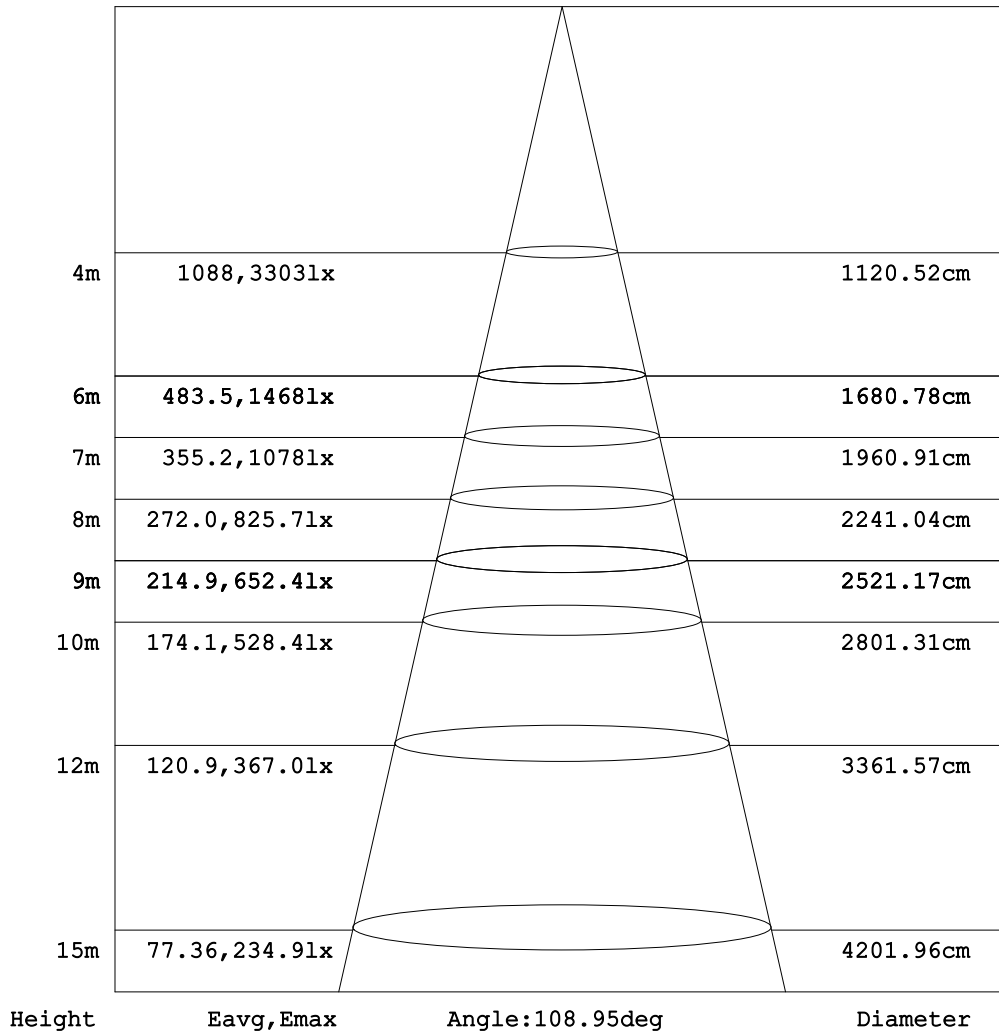
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:7.890m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:224.78V I:4.5126A P:1002.2W PF:0.9881 Freq:50.03Hz Lamp Flux:137063x1 lm		
NAME: ASD-LMAL-1000D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Flux out:107482 lm



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.78V I:4.5126A P:1002.2W PF:0.9881 Freq:50.03Hz Lamp Flux:137063x1 lm		
NAME: ASD-LMAL-1000D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: ×10cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	3.79	7.89	29.3	94.8	207	378	585	793	990	1179	1353	1516	1658	1779	1879	1955	2003	2035	2041
-55	3.94	5.37	24.9	96.4	231	442	700	962	1206	1436	1650	1845	2020	2168	2295	2391	2455	2500	2516
-50	3.72	12.6	60.5	191	405	704	1031	1329	1608	1868	2114	2330	2505	2668	2799	2884	2949	2985	2993
-45	3.98	6.87	43.6	174	409	748	1121	1467	1789	2091	2361	2611	2819	3004	3155	3261	3339	3390	3410
-40	3.71	17.0	105	318	664	1089	1496	1868	2219	2543	2827	3071	3285	3473	3605	3705	3777	3819	3829
-35	4.08	8.07	68.8	268	619	1062	1502	1904	2281	2636	2950	3220	3452	3663	3813	3928	4015	4069	4090
-30	3.81	21.5	156	465	924	1394	1836	2253	2642	2990	3304	3557	3801	3984	4120	4227	4305	4344	4354
-25	4.21	8.74	100	388	840	1334	1817	2267	2689	3075	3419	3696	3962	4173	4330	4452	4544	4599	4621
-20	3.87	31.9	224	650	1155	1670	2169	2625	3063	3451	3763	4052	4310	4499	4646	4758	4836	4879	4890
-15	4.30	9.94	143	508	1002	1532	2056	2550	3009	3418	3769	4067	4353	4565	4729	4857	4950	5007	5030
-10	3.89	41.6	307	746	1271	1821	2346	2833	3288	3694	4015	4325	4579	4773	4924	5039	5118	5161	5170
-5	4.32	15.1	182	573	1078	1635	2181	2695	3173	3594	3945	4258	4547	4761	4928	5058	5152	5207	5227
0	3.88	62.5	331	785	1330	1893	2430	2923	3383	3795	4123	4442	4698	4893	5044	5162	5240	5278	5284
5	4.28	19.5	190	575	1084	1643	2190	2711	3193	3616	3971	4288	4580	4796	4965	5097	5192	5247	5268
10	4.04	60.4	316	753	1284	1838	2371	2870	3329	3742	4071	4387	4647	4844	4999	5118	5197	5242	5253
15	4.24	19.2	175	535	1017	1554	2083	2590	3060	3476	3835	4144	4434	4651	4821	4952	5048	5106	5131
20	4.06	53.8	284	683	1175	1698	2206	2682	3127	3524	3849	4146	4409	4604	4756	4872	4955	4998	5009
25	4.23	16.4	147	460	889	1376	1867	2334	2774	3176	3531	3823	4097	4317	4483	4611	4707	4765	4789
30	4.06	41.2	223	560	985	1449	1908	2346	2757	3129	3456	3722	3978	4173	4320	4434	4516	4559	4571
35	4.23	12.4	110	356	707	1116	1545	1963	2357	2726	3058	3341	3585	3804	3965	4088	4181	4238	4261
40	4.06	30.2	159	413	747	1126	1522	1902	2261	2595	2902	3157	3382	3575	3716	3823	3899	3943	3954
45	4.24	8.84	73.2	242	502	817	1162	1514	1852	2165	2455	2719	2940	3134	3293	3407	3491	3546	3568
50	4.03	17.8	95.9	261	500	781	1086	1399	1695	1970	2231	2467	2661	2832	2970	3064	3134	3174	3183
55	4.20	5.90	40.6	137	300	511	750	1001	1259	1501	1728	1941	2129	2285	2419	2521	2590	2636	2655
60	4.02	9.49	46.3	129	261	426	612	810	1015	1216	1403	1572	1727	1851	1960	2040	2089	2120	2129
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.78V I:4.5126A P:1002.2W PF:0.9881 Freq:50.03Hz Lamp Flux:137063x1 lm		
NAME: ASD-LMAL-1000D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: ×10cd

H (DEG) \ V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	2029	1994	1944	1861	1759	1631	1482	1314	1138	945	749	560	364	198	93.1	27.3	5.75	3.73	
-55	2512	2483	2432	2358	2249	2115	1957	1770	1564	1341	1106	863	619	376	185	71.6	14.5	3.80	
-50	2979	2936	2868	2776	2636	2479	2286	2064	1818	1554	1267	974	675	379	172	55.0	7.86	3.82	
-45	3404	3369	3306	3217	3093	2927	2732	2506	2242	1952	1644	1312	975	627	313	119	23.1	3.83	
-40	3807	3758	3679	3568	3427	3225	3006	2738	2442	2111	1760	1379	998	601	268	85.3	10.8	3.83	
-35	4084	4046	3976	3876	3745	3570	3343	3099	2801	2467	2105	1712	1303	883	474	173	31.6	3.86	
-30	4336	4286	4200	4087	3938	3740	3492	3231	2897	2538	2141	1718	1270	827	398	113	12.9	3.87	
-25	4615	4575	4502	4395	4256	4076	3838	3564	3259	2890	2487	2047	1582	1101	639	247	40.8	3.92	
-20	4869	4814	4727	4601	4439	4239	3964	3672	3328	2930	2487	2008	1507	998	534	161	15.7	3.95	
-15	5022	4981	4908	4798	4649	4463	4223	3919	3608	3210	2777	2303	1798	1265	756	321	56.0	3.93	
-10	5150	5097	5010	4884	4718	4516	4240	3926	3588	3171	2702	2202	1664	1112	604	213	17.8	4.13	
-5	5220	5182	5108	4997	4847	4658	4417	4101	3778	3374	2927	2436	1912	1357	818	361	71.7	3.91	
0	5269	5216	5127	4999	4833	4625	4348	4024	3678	3255	2779	2266	1717	1157	636	225	25.2	4.14	
5	5261	5222	5148	5035	4884	4692	4449	4129	3803	3396	2946	2454	1924	1368	825	364	75.3	3.89	
10	5231	5177	5087	4959	4789	4582	4301	3980	3636	3215	2742	2233	1685	1128	615	216	23.3	4.09	
15	5122	5081	5004	4890	4739	4549	4301	3989	3671	3269	2827	2347	1829	1290	773	338	68.9	3.85	
20	4987	4932	4839	4711	4544	4338	4052	3752	3399	2999	2549	2054	1543	1025	553	191	21.1	4.01	
25	4782	4742	4665	4553	4406	4219	3968	3685	3367	2989	2573	2116	1634	1138	674	289	58.4	3.80	
30	4552	4499	4408	4287	4126	3918	3656	3383	3033	2651	2241	1799	1331	871	460	154	17.8	3.99	
35	4255	4216	4143	4036	3897	3712	3474	3220	2909	2560	2183	1777	1351	925	535	222	43.9	3.76	
40	3934	3883	3799	3682	3535	3320	3097	2819	2509	2146	1806	1420	1027	656	336	112	13.1	3.94	
45	3562	3526	3460	3364	3233	3055	2855	2616	2335	2031	1707	1363	1012	676	378	151	28.9	3.76	
50	3168	3123	3051	2951	2799	2630	2428	2189	1923	1645	1340	1024	722	445	217	68.7	8.20	3.91	
55	2651	2621	2565	2485	2368	2222	2059	1860	1639	1405	1158	901	652	422	226	86.9	16.5	3.76	
60	2116	2078	2023	1932	1826	1688	1530	1358	1172	975	771	576	392	230	107	32.3	4.83	3.82	
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:23 October 2018

V(B) Range:-60 - 60DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks: