

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

<b>Maximum Intensity</b>		439.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

<b>Beam Spread</b>	<b>At 10% of Imax</b>	122.4V x 168.7H
	<b>At 50% of Imax</b>	110.1V x 158.2H
	<b>At 90% of Imax</b>	36.0V x 149.9H

<b>Beam Flux</b>	<b>Total</b>	994.2 lumens per klm.
	<b>To 10% of Imax</b>	988.9 lumens per klm.
	<b>To 50% of Imax</b>	713.8 lumens per klm.
	<b>To 90% of Imax</b>	34.0 lumens per klm.

<b>Upward LOR</b>	0.0 %
<b>Downward LOR</b>	99.4 %

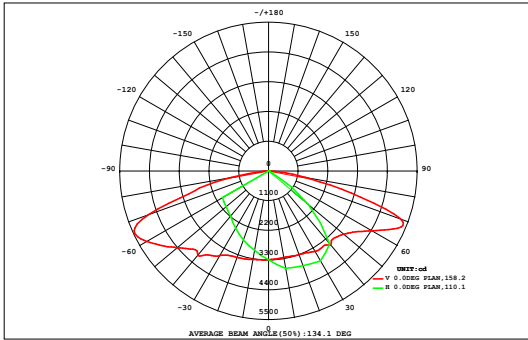
<b>Luminaire Efficiency (Light Output Ratio)</b>	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:2018-11-02

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:8.000m [K=1.0375]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.01V I:0.3621A P:97.755W PF:0.9744 Freq:49.99Hz Lamp Flux:13010.5x1 lm		
NAME: ASD-LSB1HV-100D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:133.09lm/W	
MOD: ASD-LSB1HV-100D50-PRM		I <sub>max</sub> (cd)	5715
NOMINAL POWER (W)	100	AVAILABILITY (%)	99.7
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	12975
NOMINAL FLUX (lm)	13010.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	13010
TEST VOLTAGE (V)	277	θ @50% (H, V)	158,110DEG

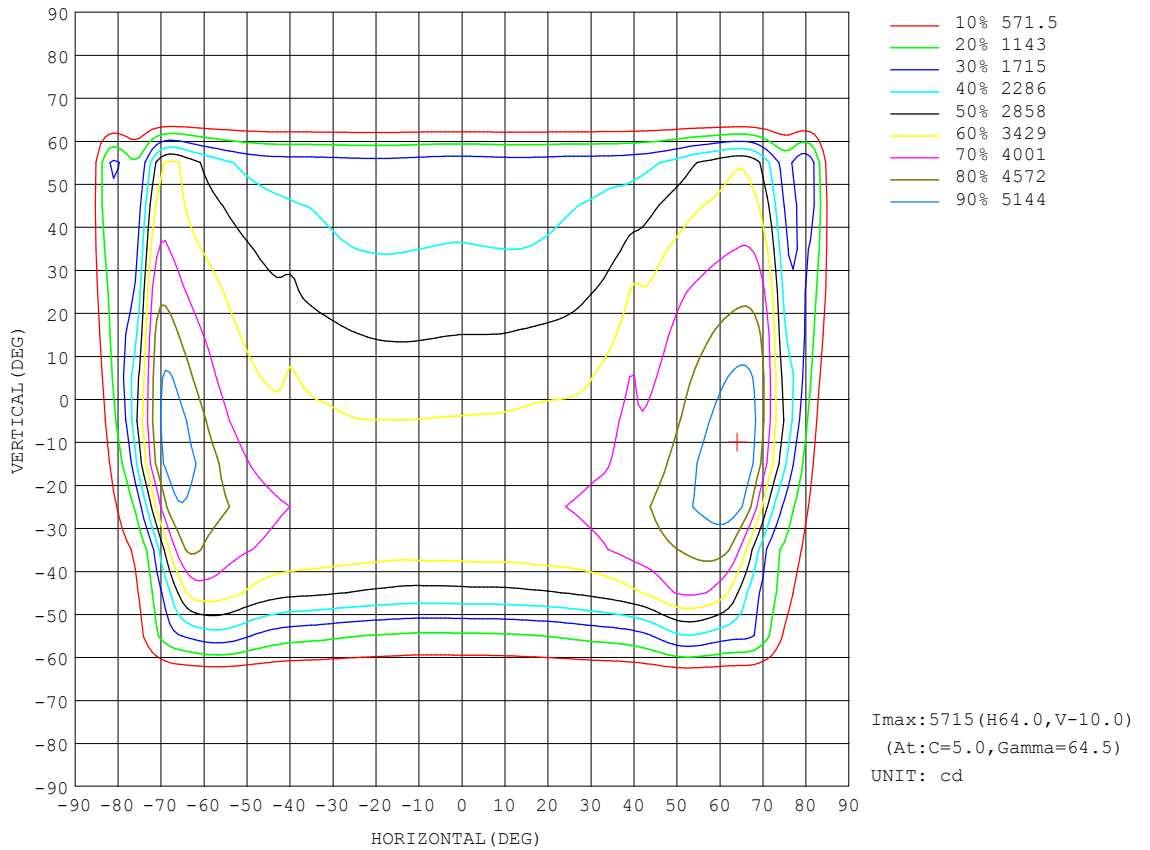
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT: lm		Φ t	Φ a						
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160			170	180				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	
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	
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	
50	4.04	18.2	51.5	50.2	51.8	59.0	64.8	70.0	75.0	74.7	70.9	66.9	60.8	57.3	59.4	51.0	19.0	3.76	908	908					
40	2.97	17.6	44.4	49.6	53.1	56.6	57.4	59.7	63.7	63.4	61.3	62.3	61.2	60.9	59.2	46.5	16.9	3.23	840	840					
30	2.57	19.7	47.5	54.8	59.2	62.1	63.0	66.2	69.4	69.2	67.3	67.2	69.4	70.1	65.4	50.9	18.8	2.83	926	925					
20	2.33	22.1	52.1	59.4	64.9	69.0	70.8	74.0	77.7	77.7	75.7	74.7	76.7	77.9	71.4	56.1	21.0	2.49	1026	1026					
10	2.17	24.8	57.0	63.3	69.7	76.6	79.4	82.6	86.2	86.7	85.4	82.9	84.9	83.3	76.8	61.5	22.9	2.15	1128	1128					
0	1.89	26.5	61.9	67.0	73.6	83.9	87.8	91.4	94.4	95.5	94.6	90.8	92.4	86.6	81.4	66.4	24.3	1.78	1222	1222					
-10	1.54	27.1	66.1	71.3	78.0	88.9	95.6	101	104	105	104	99.5	97.4	90.2	85.8	69.9	24.2	1.37	1311	1311					
-20	1.07	24.2	68.1	77.1	82.7	94.0	102	109	113	113	111	106	100	94.4	89.8	70.5	21.6	0.99	1379	1378					
-30	0.65	16.7	64.5	81.1	88.8	98.7	107	111	114	115	114	111	105	99.8	91.3	65.0	14.9	0.63	1400	1399					
-40	0.29	7.90	54.2	75.5	87.0	96.6	104	109	113	114	112	108	103	97.3	83.7	49.6	8.39	0.32	1323	1321					
-50	0.11	5.66	40.7	63.0	68.2	76.2	81.9	84.7	87.0	87.7	85.8	82.9	80.9	79.2	69.6	33.3	7.08	0.15	1034	1032					
-60	0.06	4.76	22.0	39.4	37.2	35.4	33.7	32.0	31.5	32.2	33.5	36.0	37.3	44.4	43.8	24.7	5.75	0.08	494	474					
-70	0.02	1.34	4.75	1.15	0.38	0.37	0.36	0.32	0.29	0.30	0.36	0.44	0.43	0.41	1.10	5.67	0.90	0.03	18.6	11.2					
-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	
-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	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90								
Φ t	19.7	217	635	753	814	898	948	991	1030	1035	1016	989	970	942	879	651	206	19.8	13010	---					
Φ a	17.1	212	634	752	813	896	945	988	1027	1032	1013	986	968	941	878	651	204	16.8	---	12975					

one-half-peak spread: U:20.0,D:90.2 , L:11.0,R:14.0 NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG	V(B) Range:-60 - 60DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Temperature:25.3DEG	Humidity:65.0%
Operators:C	Test Distance:8.000m [K=1.0375]
Test Date:2018-11-02	Remarks:

ISOCANDELA DIAGRAM

Test:U:277.01V I:0.3621A P:97.755W PF:0.9744 Freq:49.99Hz Lamp Flux:13010.5x1 lm		
NAME: ASD-LSB1HV-100D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

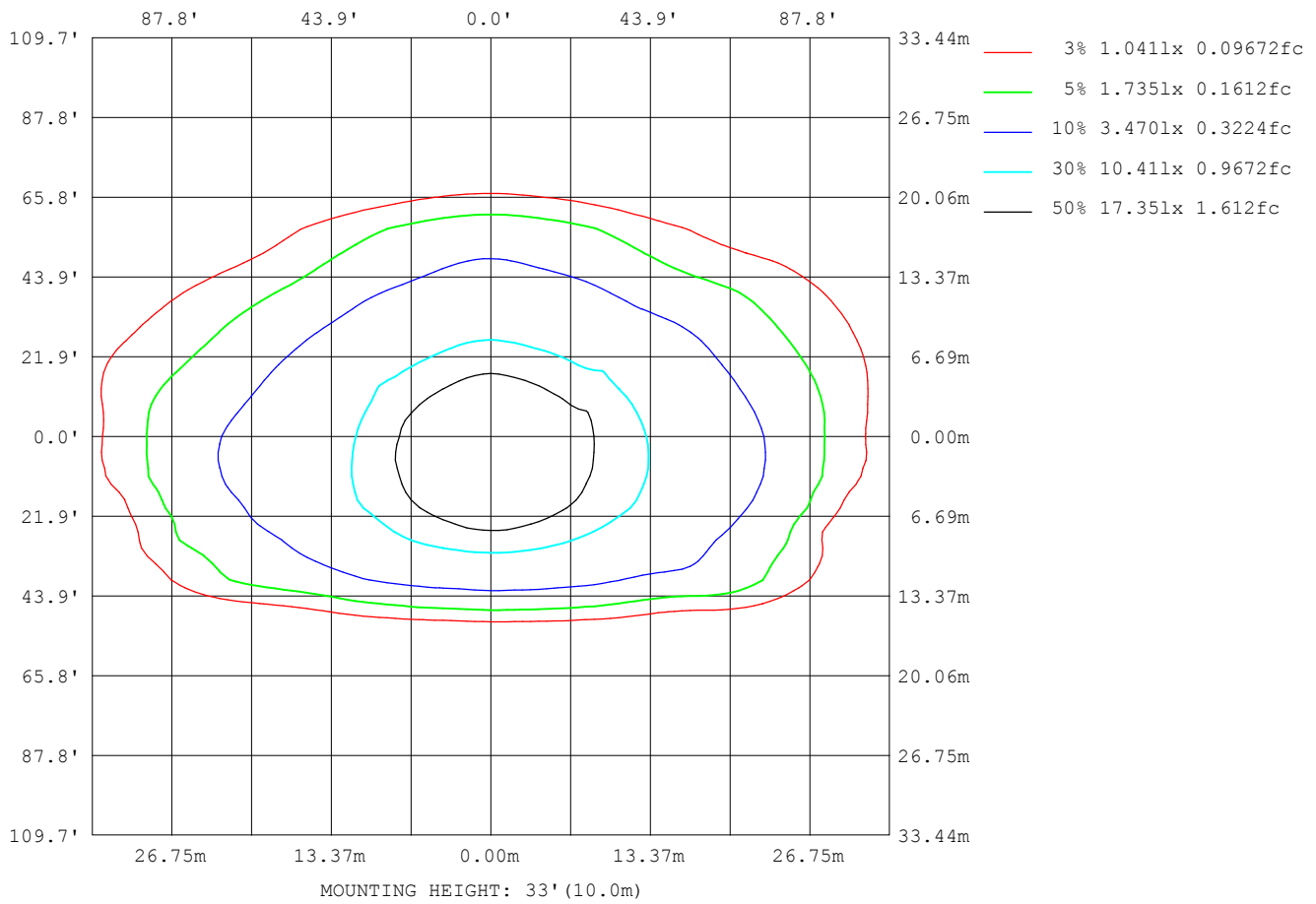


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:2018-11-02

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:8.000m [K=1.0375]  
 Remarks:

**ISOLUX DIAGRAM**

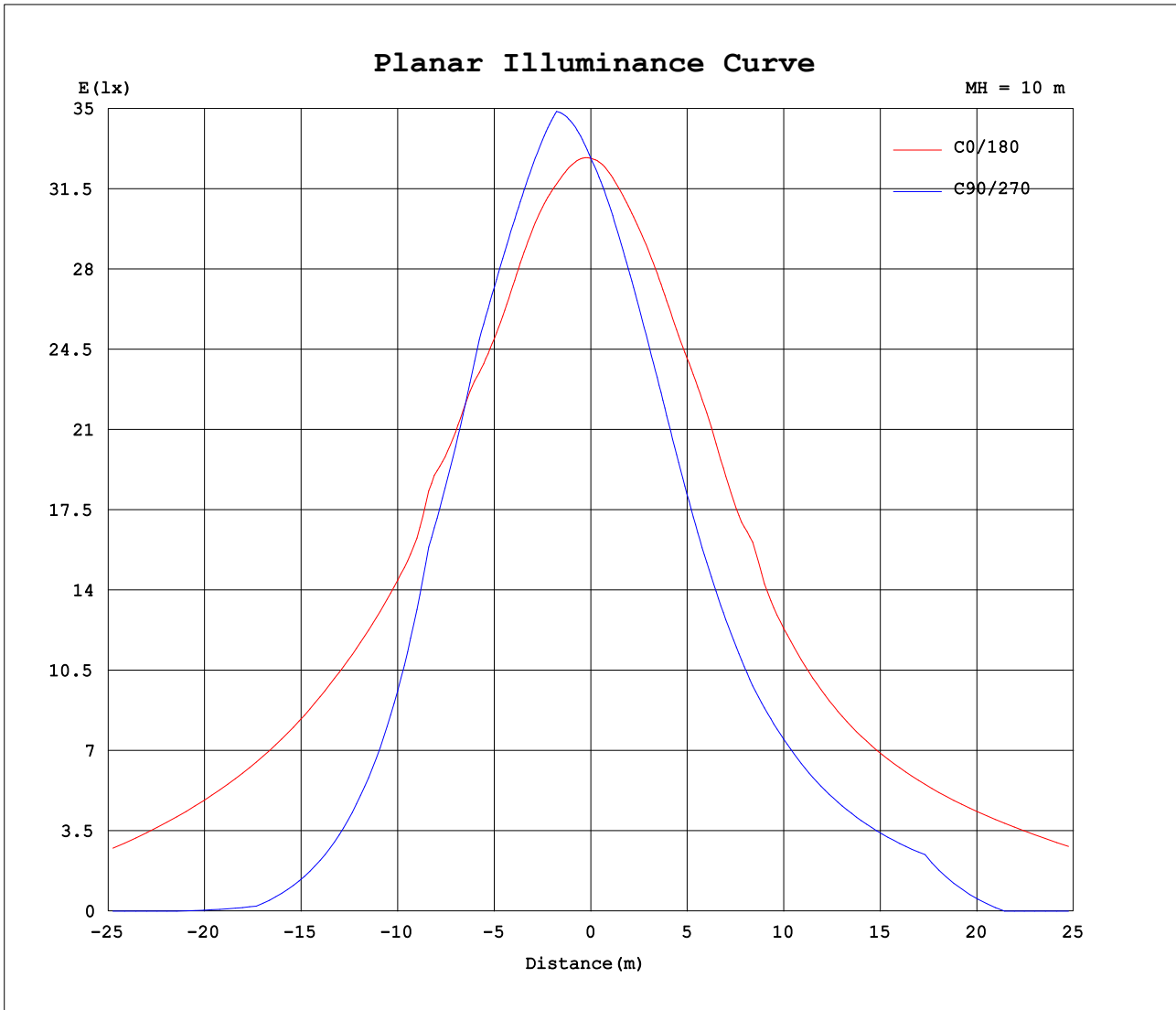
Test:U:277.01V I:0.3621A P:97.755W PF:0.9744 Freq:49.99Hz Lamp Flux:13010.5x1 lm		
NAME: ASD-LSB1HV-100D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:2018-11-02

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:8.000m [K=1.0375]  
Remarks:

Planar Illuminance Curve



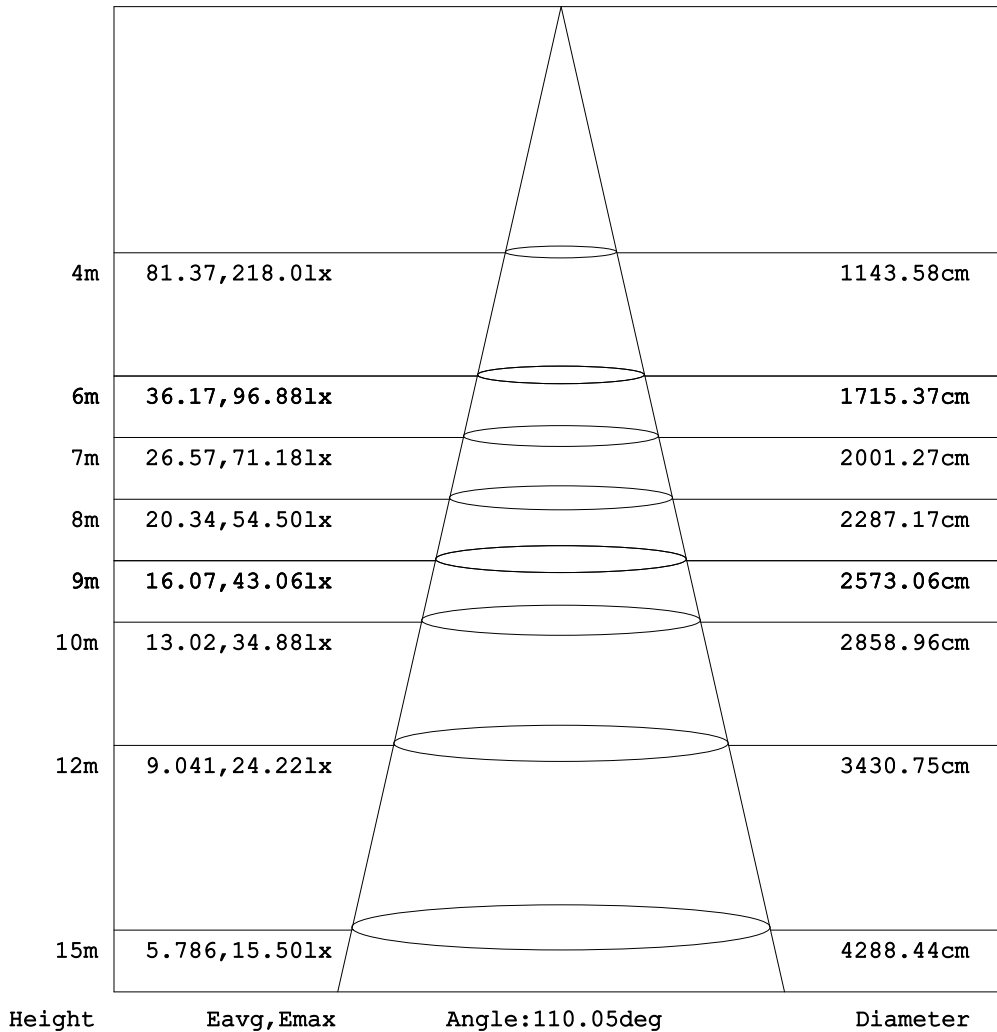
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:2018-11-02

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:8.000m [K=1.0375]  
Remarks:

**AAI Figure**

Test:U:277.01V I:0.3621A P:97.755W PF:0.9744 Freq:49.99Hz Lamp Flux:13010.5x1 lm		
NAME: ASD-LSB1HV-100D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Flux out:8659 lm



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

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:2018-11-02

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:8.000m [K=1.0375]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.01V I:0.3621A P:97.755W PF:0.9744 Freq:49.99Hz Lamp Flux:13010.5x1 lm		
NAME: ASD-LSB1HV-100D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

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
-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	10.7	14.9	33.6	261	1010	1139	842	593	401	290	263	254	241	223	213	194	185	182	181
-55	10.8	17.1	52.6	436	1239	1732	1995	2032	1778	1511	1371	1312	1238	1164	1112	1068	1031	1031	1042
-50	10.9	19.3	71.7	610	1467	2324	3148	3471	3154	2732	2478	2369	2235	2104	2011	1942	1876	1880	1903
-45	11.1	23.9	141	607	1657	3176	3784	3667	3376	3146	3022	2970	2903	2831	2773	2722	2695	2702	2717
-40	11.2	28.6	210	604	1847	4027	4419	3864	3598	3560	3565	3572	3571	3557	3535	3503	3514	3523	3531
-35	11.3	36.0	324	766	2511	4455	4524	4239	4039	3915	3840	3800	3766	3730	3694	3655	3670	3678	3685
-30	11.4	43.3	438	927	3175	4883	4628	4615	4480	4270	4116	4028	3960	3903	3853	3808	3825	3832	3839
-25	11.7	64.1	612	1544	4037	5118	4858	4619	4338	4122	4000	3953	3917	3861	3814	3765	3775	3780	3784
-20	12.0	84.8	786	2161	4900	5353	5088	4624	4197	3975	3884	3878	3874	3820	3774	3722	3726	3728	3730
-15	12.2	118	948	2631	5018	5388	4959	4425	4031	3838	3793	3768	3721	3687	3675	3663	3679	3687	3690
-10	12.3	151	1111	3101	5136	5424	4829	4226	3866	3702	3702	3658	3568	3555	3576	3603	3633	3647	3651
-5	12.4	197	1253	3137	5162	5255	4628	4079	3754	3595	3642	3554	3502	3446	3436	3435	3442	3457	3467
0	12.5	242	1394	3173	5187	5086	4427	3932	3641	3489	3581	3451	3436	3337	3295	3266	3251	3268	3284
5	12.4	284	1440	2931	5107	4882	4277	3827	3547	3388	3485	3338	3264	3182	3135	3109	3102	3119	3136
10	12.3	326	1486	2689	5027	4677	4127	3722	3453	3287	3389	3225	3092	3027	2975	2952	2953	2970	2989
15	12.3	388	1478	2524	4843	4465	3986	3620	3355	3189	3266	3065	2954	2874	2824	2807	2817	2841	2858
20	12.3	451	1469	2359	4660	4252	3845	3518	3257	3092	3142	2904	2816	2721	2672	2662	2682	2713	2726
25	12.3	506	1420	2182	4447	4067	3698	3399	3153	2981	2993	2752	2653	2569	2526	2520	2543	2571	2583
30	12.3	562	1370	2004	4234	3883	3552	3280	3050	2870	2844	2600	2491	2416	2379	2378	2405	2428	2440
35	12.4	614	1371	1893	4051	3724	3392	3136	2913	2738	2654	2495	2371	2289	2255	2258	2282	2305	2313
40	12.4	666	1371	1781	3868	3565	3232	2993	2777	2605	2465	2390	2250	2162	2131	2137	2160	2181	2186
45	12.5	666	1477	1623	3728	3477	3095	2823	2599	2437	2336	2270	2163	2078	2038	2043	2076	2112	2121
50	12.5	666	1582	1465	3589	3390	2957	2653	2420	2268	2206	2149	2075	1994	1945	1948	1993	2042	2056
55	12.7	621	1757	1303	3262	3344	2774	2399	2143	2012	1981	1969	1945	1912	1896	1916	1959	2001	2014
60	12.8	577	1931	1140	2934	3298	2592	2145	1866	1757	1755	1789	1815	1830	1847	1884	1925	1960	1972
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:2018-11-02

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:8.000m [K=1.0375]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.01V I:0.3621A P:97.755W PF:0.9744 Freq:49.99Hz Lamp Flux:13010.5x1 lm		
NAME: ASD-LSB1HV-100D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

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	
-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	183	193	212	237	258	281	282	284	325	451	608	853	1329	1037	186	41.8	20.9	9.85	
-55	1048	1066	1108	1160	1232	1314	1379	1491	1782	2195	2220	1978	1864	1416	490	65.2	23.7	10.0	
-50	1913	1939	2004	2084	2206	2347	2475	2699	3239	3938	3831	3104	2399	1796	795	88.5	26.6	10.2	
-45	2732	2737	2777	2820	2891	2997	3136	3342	3663	4032	4075	3721	2624	1592	885	172	31.8	10.4	
-40	3551	3535	3551	3557	3576	3646	3796	3986	4088	4125	4319	4339	2849	1389	975	255	37.0	10.6	
-35	3711	3708	3739	3788	3822	3894	4036	4243	4422	4566	4722	4771	3835	1949	1045	394	44.8	10.8	
-30	3870	3881	3928	4019	4068	4142	4276	4500	4756	5007	5126	5203	4821	2508	1115	532	52.7	11.0	
-25	3807	3820	3869	3954	4013	4114	4202	4378	4642	4940	5208	5406	5175	3333	1580	677	70.3	11.3	
-20	3744	3759	3810	3889	3957	4087	4128	4256	4528	4873	5290	5610	5529	4158	2045	821	88.0	11.6	
-15	3701	3715	3760	3817	3844	3897	4034	4166	4397	4742	5173	5547	5605	4383	2422	962	119	11.8	
-10	3658	3670	3710	3745	3730	3707	3941	4076	4267	4612	5055	5484	5682	4608	2800	1102	149	12.0	
-5	3479	3495	3541	3576	3591	3662	3872	4076	4174	4514	4935	5345	5571	4652	2805	1251	188	12.1	
0	3300	3321	3373	3408	3453	3617	3803	4077	4082	4416	4815	5206	5461	4696	2809	1400	228	12.1	
5	3152	3172	3218	3258	3291	3415	3664	4012	3988	4317	4680	5034	5267	4652	2667	1505	283	12.1	
10	3005	3023	3063	3108	3129	3213	3525	3948	3894	4217	4544	4861	5073	4608	2524	1611	338	12.1	
15	2859	2869	2906	2946	2991	3115	3362	3820	3801	4124	4406	4671	4854	4448	2391	1646	383	12.1	
20	2713	2714	2748	2783	2854	3016	3199	3692	3707	4031	4268	4481	4634	4288	2259	1682	429	12.1	
25	2567	2561	2581	2630	2711	2840	3027	3517	3573	3884	4101	4283	4420	4094	2144	1701	470	12.2	
30	2422	2407	2414	2476	2568	2664	2855	3341	3438	3737	3935	4085	4205	3900	2029	1719	511	12.2	
35	2297	2283	2293	2351	2447	2558	2769	3050	3250	3547	3758	3902	4022	3680	1908	1769	526	12.2	
40	2172	2160	2171	2225	2326	2451	2683	2759	3061	3357	3582	3718	3839	3460	1788	1819	540	12.2	
45	2100	2076	2086	2148	2248	2333	2469	2554	2811	3123	3389	3554	3687	3224	1704	1961	525	12.3	
50	2027	1991	2000	2071	2169	2216	2256	2350	2561	2888	3197	3391	3535	2987	1621	2104	509	12.4	
55	1990	1954	1948	1973	2009	2018	2034	2095	2243	2516	2878	3180	3383	2671	1570	2170	452	12.4	
60	1952	1917	1895	1875	1848	1821	1812	1841	1925	2143	2559	2970	3231	2354	1519	2237	396	12.4	
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:2018-11-02

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:8.000m [K=1.0375]  
Remarks: