

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

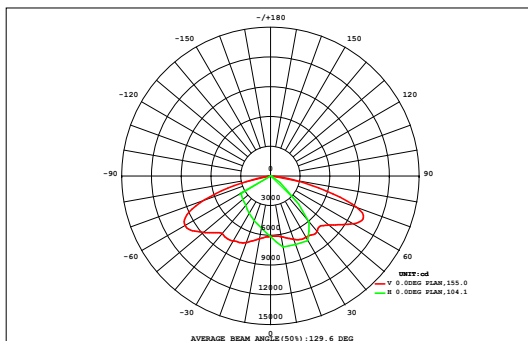
Maximum Intensity		446.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	121.1V x 165.6H
	At 50% of Imax	104.1V x 155.0H
	At 90% of Imax	29.3V x 147.9H
Beam Flux	Total	997.5 lumens per klm.
	To 10% of Imax	990.1 lumens per klm.
	To 50% of Imax	713.7 lumens per klm.
	To 90% of Imax	40.0 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

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=1.0400]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:276.98V I:0.6812A P:186.46W PF:0.9883 Freq:49.99Hz Lamp Flux:23716.1x1 lm		
NAME: ASD-LSB1HV-185D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:127.19lm/W	
MODEL	ASD-LSB1HV-185D50-PRM	Imax (cd)	10597
NOMINAL POWER (W)	185	AVAILABILITY (%)	99.3
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	23556
NOMINAL FLUX (lm)	23716.1	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	23716
TEST VOLTAGE (V)	277	θ @50% (H,V)	155,104DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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
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
50	3.30	32.8	85.5	107	96.0	103	116	126	132	132	126	116	103	96.4	104	83.5	34.2	4.18	1601	1600
40	3.72	30.5	84.7	105	104	108	112	112	115	115	113	113	109	109	109	81.1	33.3	4.02	1561	1560
30	3.81	32.0	93.0	117	119	126	122	122	124	124	123	125	128	128	122	89.6	35.1	4.01	1737	1736
20	3.33	34.7	104	130	132	144	135	136	138	139	137	137	148	144	136	100	37.3	3.52	1939	1938
10	2.69	38.5	115	141	143	162	157	151	153	154	154	157	171	156	148	111	40.0	2.87	2158	2157
0	2.20	40.5	124	151	153	179	179	175	173	174	176	184	189	165	159	119	41.4	2.28	2386	2384
-10	1.89	38.6	127	159	165	186	200	202	201	203	207	206	195	176	166	124	39.3	1.86	2599	2597
-20	1.60	32.0	123	163	175	196	205	214	225	226	217	210	202	185	170	122	32.9	1.52	2700	2698
-30	1.30	24.8	106	157	177	196	215	221	225	227	227	221	202	189	165	105	25.0	1.12	2685	2683
-40	0.88	20.2	82.9	141	163	176	192	204	212	213	206	194	183	172	145	80.3	20.2	0.68	2405	2403
-50	0.49	16.6	58.0	99.1	106	109	118	126	132	132	127	120	115	114	102	56.2	14.9	0.33	1546	1544
-60	0.17	9.56	23.7	22.2	20.1	21.5	23.4	23.8	25.4	26.2	26.4	27.6	27.1	30.8	31.4	27.4	7.40	0.15	374	250
-70	0.06	3.06	3.39	0.96	0.90	1.24	1.27	1.03	0.89	0.94	1.30	1.47	1.25	1.02	1.64	5.43	0.21	0.02	26.1	5.60
-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
-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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	25.5	354	1130	1492	1553	1706	1774	1815	1857	1866	1841	1812	1774	1665	1560	1103	361	26.5	23716	---
Φ a	21.4	348	1127	1487	1544	1694	1761	1800	1841	1852	1827	1799	1762	1660	1556	1100	356	21.8	---	23556

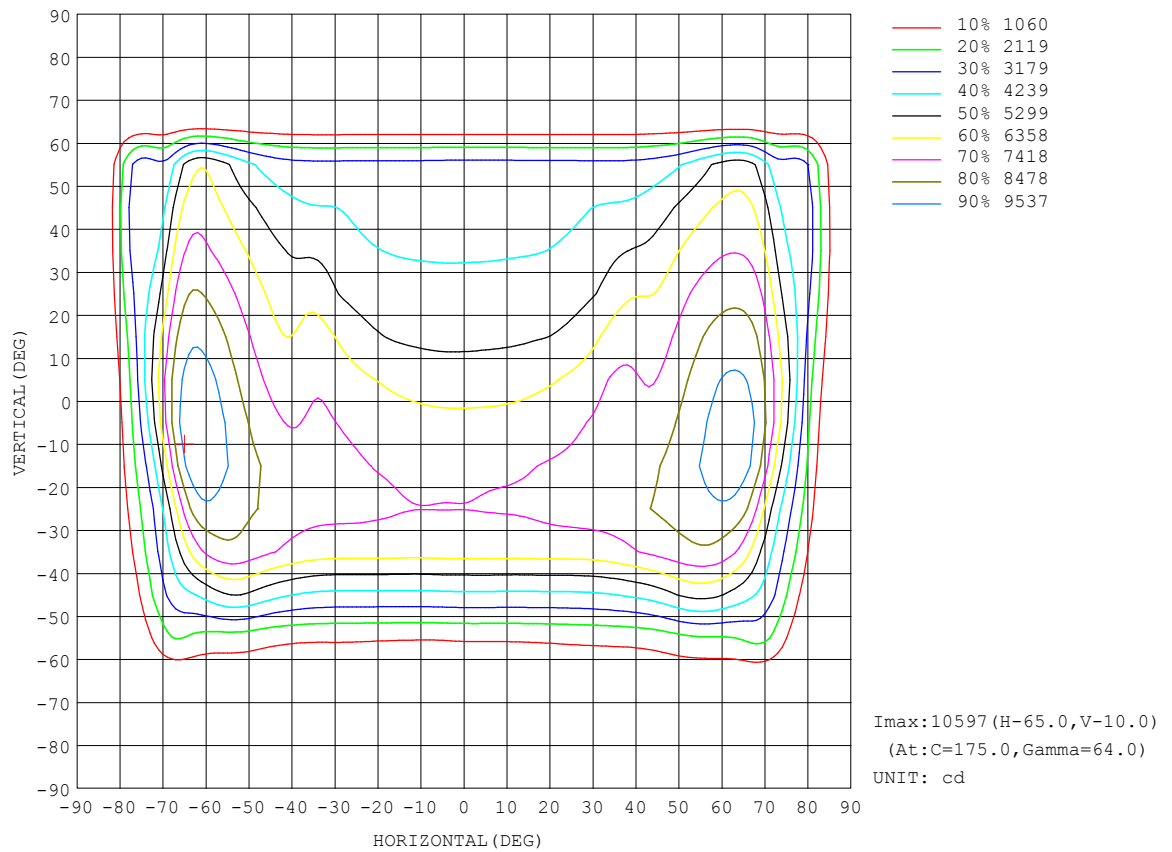
one-half-peak spread: U:15.6,D:88.8 , L:14.0,R:16.0 NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date: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=1.0400]
Remarks:

ISOCANDELA DIAGRAM

Test:U:276.98V I:0.6812A P:186.46W PF:0.9883 Freq:49.99Hz Lamp Flux:23716.1x1 lm		
NAME: ASD-LSB1HV-185D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

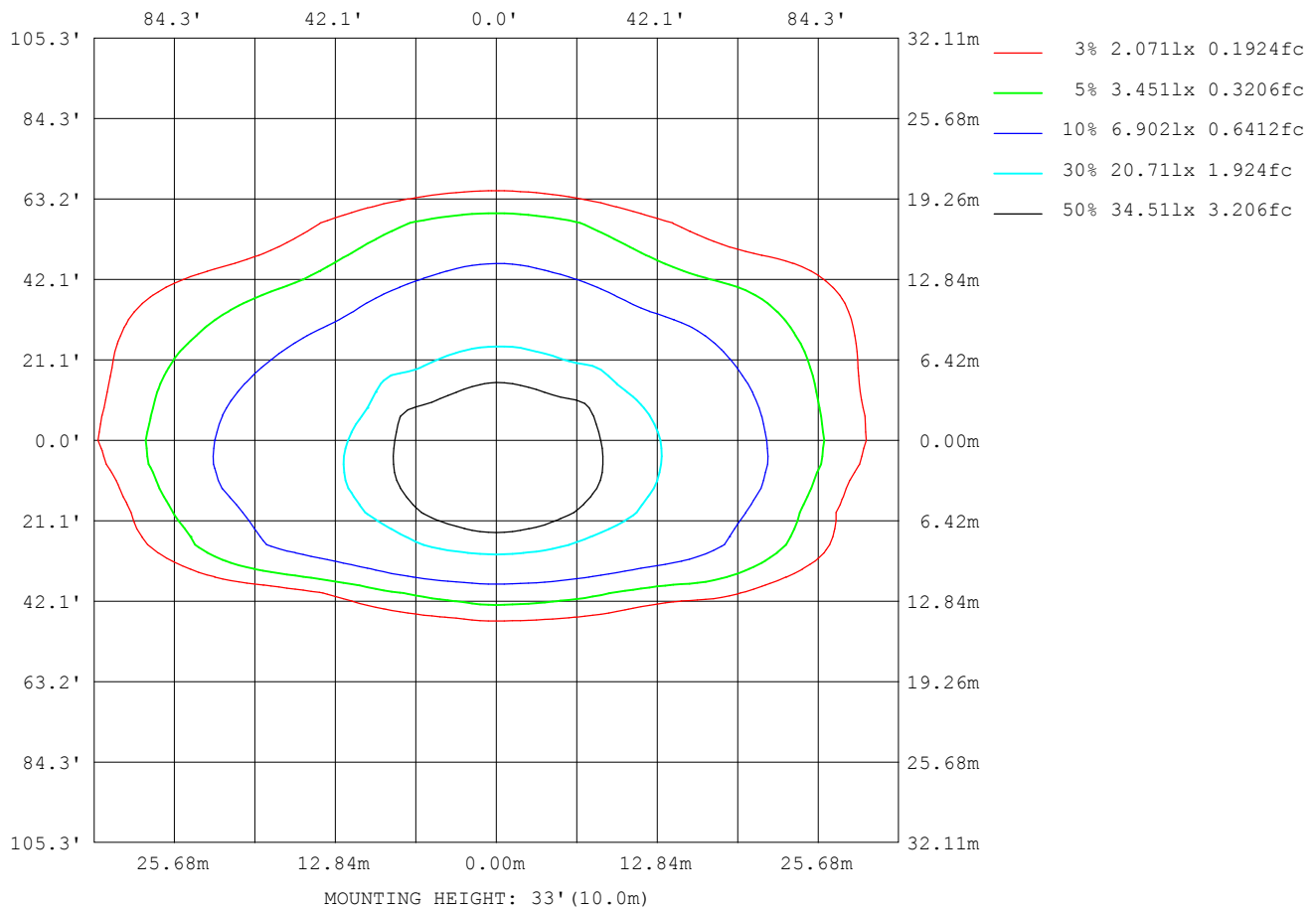


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2018-11-02

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=1.0400]
Remarks:

ISOLUX DIAGRAM

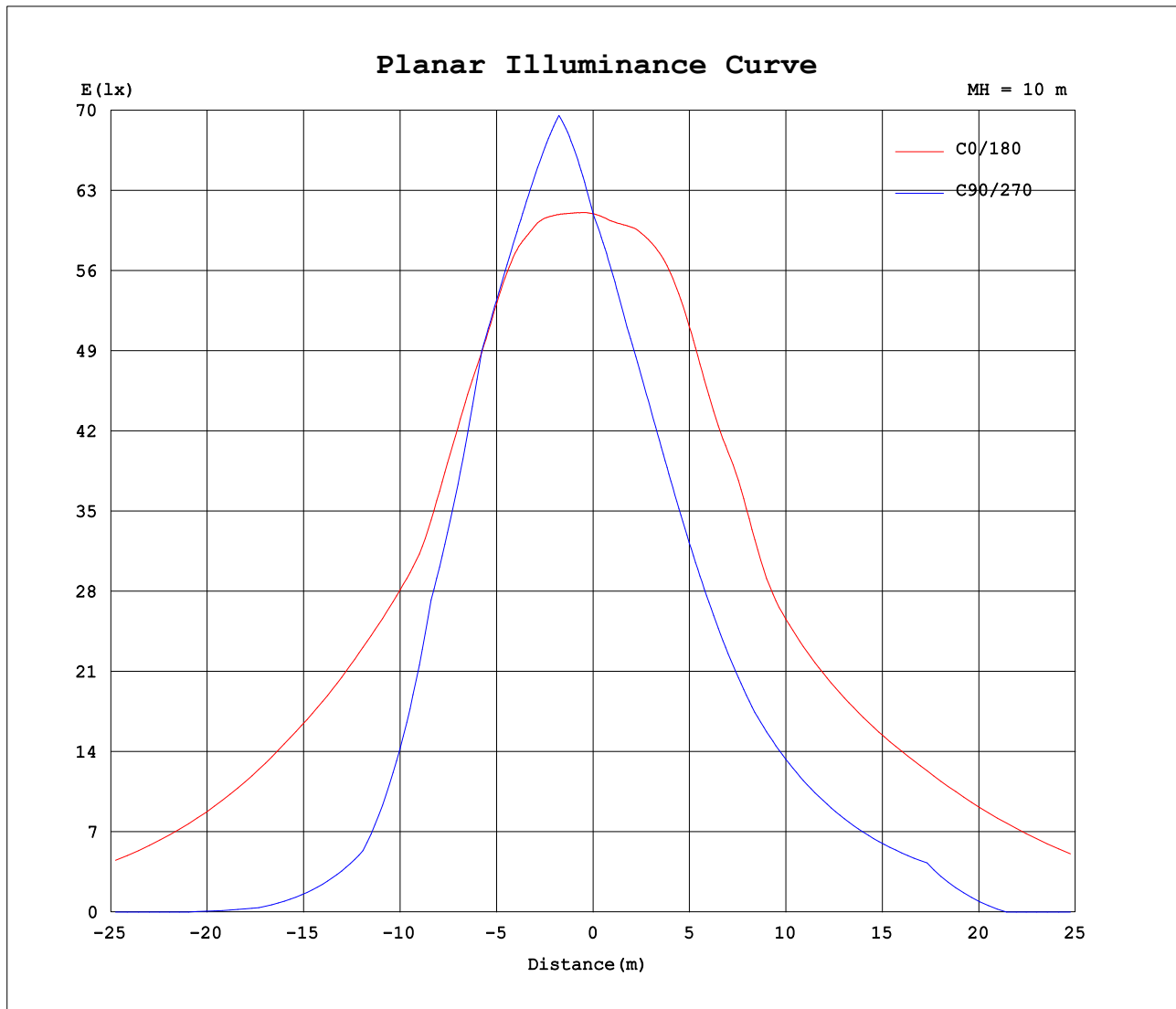
Test:U:276.98V I:0.6812A P:186.46W PF:0.9883 Freq:49.99Hz Lamp Flux:23716.1x1 lm		
NAME: ASD-LSB1HV-185D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



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=1.0400]
Remarks:

Planar Illuminance Curve

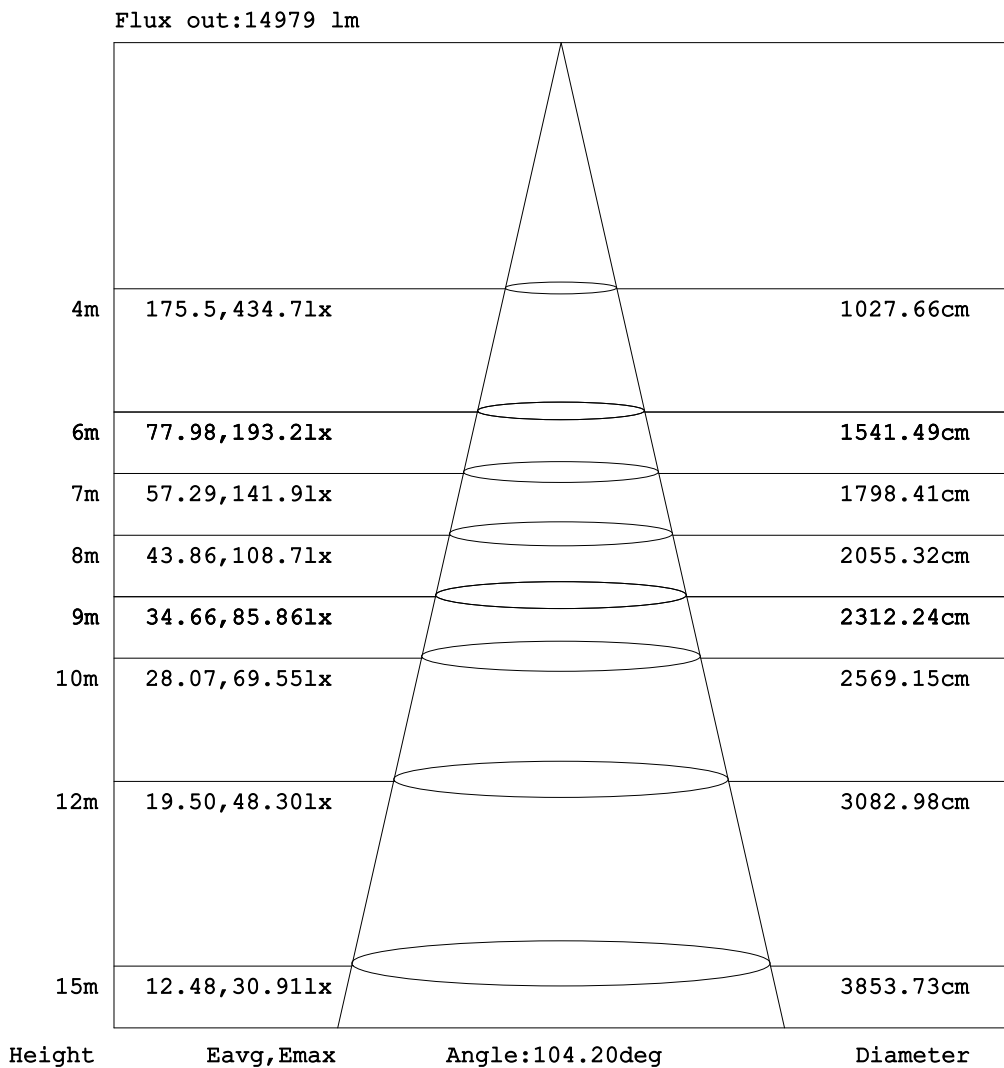


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2018-11-02

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=1.0400]
Remarks:

AAI Figure

Test:U:276.98V I:0.6812A P:186.46W PF:0.9883 Freq:49.99Hz Lamp Flux:23716.1x1 lm		
NAME: ASD-LSB1HV-185D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



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=1.0400]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.98V I:0.6812A P:186.46W PF:0.9883 Freq:49.99Hz Lamp Flux:23716.1x1 lm		
NAME: ASD-LSB1HV-185D50-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	1.71	3.10	8.24	60.6	141	98.9	62.3	49.6	42.2	39.7	39.9	40.4	40.2	38.8	36.5	33.2	31.4	31.0	31.0
-55	1.95	2.20	6.46	49.4	172	210	170	165	155	134	123	119	119	117	115	113	112	113	116
-50	1.83	5.06	30.9	182	291	264	267	274	241	213	200	197	196	193	190	191	192	199	202
-45	2.01	2.83	13.8	120	296	395	460	526	516	463	427	406	399	397	397	397	397	401	404
-40	2.06	7.89	86.8	274	445	594	743	786	727	665	625	604	598	601	604	603	605	607	607
-35	2.09	3.54	29.2	179	362	582	758	824	801	752	717	691	681	679	680	677	675	680	680
-30	2.24	13.9	130	301	535	815	873	852	816	795	774	763	760	758	753	747	751	753	754
-25	2.17	4.38	51.7	220	427	770	937	911	865	825	797	780	775	773	764	750	743	744	743
-20	2.44	23.1	170	357	724	1005	980	918	864	820	795	789	789	778	759	742	736	734	736
-15	2.23	5.36	72.6	270	559	942	1033	956	883	823	784	783	779	756	738	728	725	729	731
-10	2.58	30.7	204	474	896	1060	1001	904	826	772	763	783	741	708	704	708	718	727	728
-5	2.22	6.67	89.5	331	687	1002	1033	941	845	774	736	757	743	720	702	686	675	669	668
0	2.73	43.1	238	577	923	1029	966	858	772	716	731	725	716	708	681	649	623	610	611
5	2.19	8.27	108	376	716	971	989	897	797	719	683	727	706	665	633	606	587	574	572
10	2.83	52.8	262	571	871	976	915	812	722	661	686	717	647	581	551	538	534	534	535
15	2.16	10.5	134	384	659	907	922	840	747	668	637	678	635	575	537	517	509	506	507
20	2.97	70.1	291	508	798	900	841	753	672	616	643	605	548	517	495	484	479	480	482
25	2.16	12.1	167	377	568	825	839	769	690	620	586	603	538	498	477	464	458	456	457
30	3.06	86.9	326	426	700	810	760	689	622	566	562	532	473	451	441	436	434	433	434
35	2.18	13.1	196	383	476	737	755	693	626	565	520	514	482	445	426	417	413	411	411
40	3.03	98.4	364	376	615	729	680	615	555	503	469	464	445	413	398	393	390	388	388
45	2.17	13.0	201	397	405	655	691	621	551	490	447	429	425	405	389	381	379	378	377
50	2.80	91.4	351	372	514	678	621	540	471	421	398	390	384	376	369	366	366	367	368
55	2.17	11.2	173	374	345	540	627	540	444	385	356	347	347	348	348	348	350	353	355
60	2.54	66.5	294	334	373	572	540	419	338	308	299	302	311	320	327	332	337	342	343
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=1.0400]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.98V I:0.6812A P:186.46W PF:0.9883 Freq:49.99Hz Lamp Flux:23716.1x1 lm		
NAME: ASD-LSB1HV-185D50-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	32.1	34.7	38.3	41.3	43.1	43.3	43.2	43.0	44.7	53.0	67.3	97.7	154	88.1	17.1	5.50	2.99	1.43	
-55	116	116	119	122	126	130	133	139	154	183	202	205	225	234	107	19.6	5.23	2.29	
-50	200	200	202	207	214	220	228	249	295	342	340	327	341	241	67.3	9.64	3.38	1.65	
-45	404	401	402	403	405	410	423	444	479	535	563	533	465	384	215	53.0	7.91	2.44	
-40	605	602	603	600	601	614	641	677	728	773	767	660	501	346	146	20.3	4.09	1.61	
-35	682	680	681	684	684	689	708	738	774	812	833	805	694	486	297	104	12.5	2.59	
-30	757	757	763	768	771	783	809	841	866	882	884	841	639	396	217	40.3	4.89	1.54	
-25	747	751	759	774	786	792	802	825	859	893	926	941	879	622	364	157	19.8	2.77	
-20	742	752	772	795	809	810	819	849	893	945	993	1005	850	503	271	63.5	6.13	1.64	
-15	733	734	738	748	761	784	812	814	842	896	956	1011	996	787	459	199	30.2	2.90	
-10	726	719	715	714	738	795	808	801	852	919	992	1033	948	660	332	82.6	7.91	1.81	
-5	671	676	686	703	723	751	789	783	795	859	931	1002	1005	859	550	232	41.9	3.05	
0	621	643	677	714	741	757	770	760	809	886	962	998	934	707	382	104	11.4	1.84	
5	575	584	600	624	656	702	755	750	744	815	893	957	961	841	578	267	55.6	3.27	
10	538	542	551	571	623	716	751	708	756	839	910	939	886	679	408	132	14.5	1.89	
15	510	512	518	531	555	610	684	703	695	765	839	891	896	787	542	303	75.5	3.74	
20	484	489	499	515	545	595	660	672	711	783	840	864	817	609	402	174	19.5	1.87	
25	459	461	466	476	492	523	585	631	641	707	771	812	815	713	482	337	96.1	4.04	
30	436	438	443	454	471	517	580	593	647	711	758	778	733	535	400	209	22.7	1.92	
35	412	415	418	426	442	472	511	537	570	635	692	730	732	635	432	366	110	4.30	
40	391	395	400	415	445	472	478	509	571	631	678	697	655	468	412	221	23.7	1.87	
45	379	381	383	389	404	424	434	445	484	545	607	653	663	558	404	366	109	4.20	
50	369	369	371	379	387	391	399	421	467	536	597	634	587	413	403	202	21.0	1.91	
55	355	354	351	351	351	349	349	355	375	416	487	564	584	454	362	318	90.4	3.38	
60	340	335	330	322	313	305	304	310	326	375	476	545	458	321	330	153	14.9	2.02	
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=1.0400]

Remarks: