

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		360.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	140.2V x 165.7H
	At 50% of I _{max}	112.9V x 160.9H
	At 90% of I _{max}	39.4V x 149.9H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I _{max}	981.9 lumens per klm.
	To 50% of I _{max}	796.3 lumens per klm.
	To 90% of I _{max}	76.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

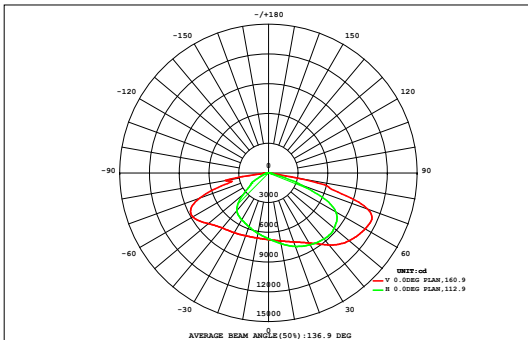
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2018-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0100]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.35V I:1.9774A P:235.37W PF:0.9974 Freq:49.99Hz Lamp Flux:31736.6x1 lm		
NAME: ASD-LSB1-240D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:134.84lm/W	
MOBESD-LSB1-240D50-MS-PRM		Imax (cd)	11440
NOMINAL POWER (W)	240	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	120	Avai. FLUX (lm)	31173
NOMINAL FLUX (lm)	31736.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	31737
TEST VOLTAGE (V)	120	θ @50% (H,V)	161,113DEG

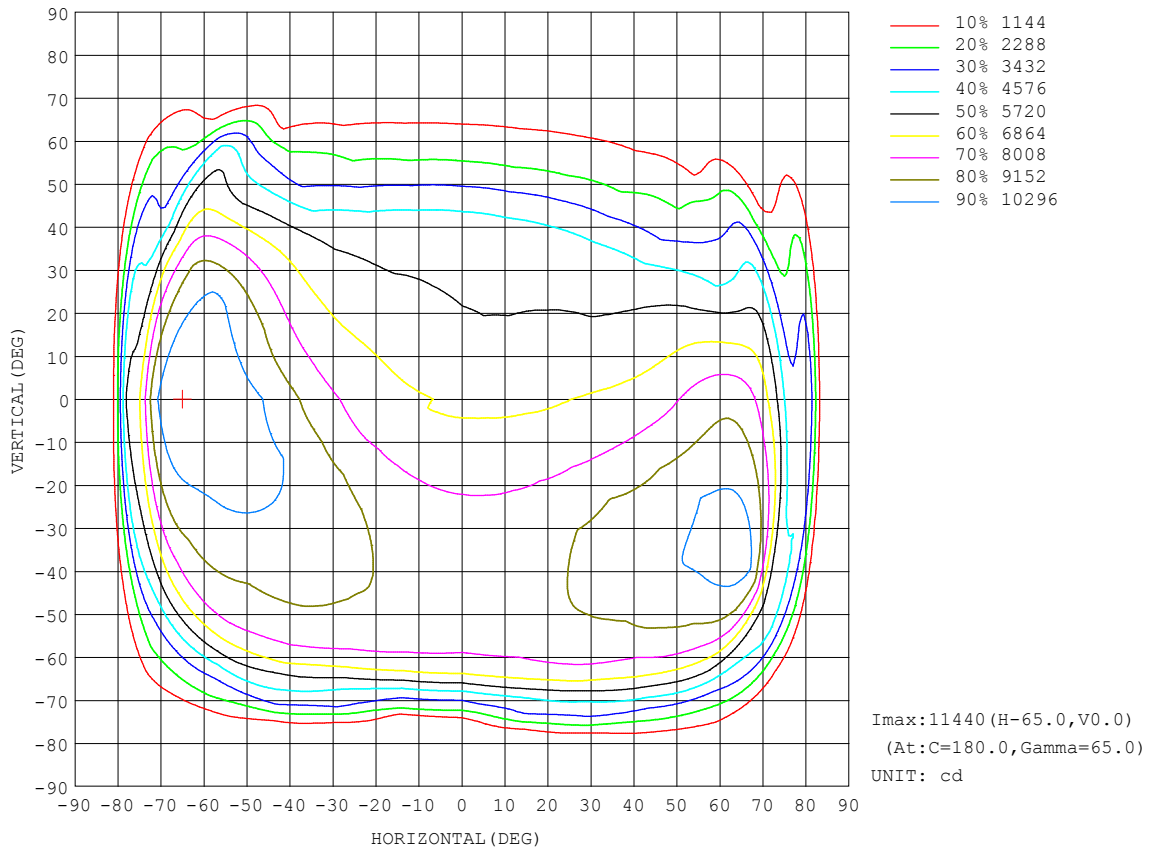
VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.11	0.65	1.40	2.20	2.40	3.52	4.36	4.19	3.88	3.57	3.33	3.24	2.94	2.24	1.37	0.78	0.44	0.23	40.9	0.00	
80	0.22	1.67	5.24	7.88	10.2	13.6	15.7	15.1	12.7	10.6	9.93	10.2	9.70	8.29	5.14	2.66	1.24	0.47	140	0.00	
70	0.32	4.08	17.4	32.6	32.8	27.8	31.1	33.8	34.1	32.0	27.8	23.9	19.1	14.5	9.56	5.24	2.33	0.71	349	171	
60	0.40	11.9	40.3	86.2	73.5	64.8	68.3	72.9	75.1	72.6	65.7	56.5	43.7	30.2	18.9	11.5	5.06	0.91	799	766	
50	0.53	20.7	67.6	111	113	110	119	127	131	127	116	97.7	74.0	54.0	41.8	29.7	10.4	1.24	1353	1347	
40	0.78	29.6	95.8	144	152	151	154	159	161	158	150	135	113	84.9	63.8	49.4	17.5	2.02	1821	1819	
30	1.10	40.1	120	171	177	172	172	175	174	168	163	151	135	115	88.8	65.3	25.7	3.09	2116	2114	
	1.42	49.7	133	181	193	189	189	190	186	180	175	165	150	135	115	83.2	33.1	4.13	2353	2351	
	1.65	57.0	142	187	208	208	205	203	199	193	188	180	167	153	137	101	39.2	4.90	2572	2571	
	1.69	58.3	142	190	220	226	220	216	212	210	205	197	186	172	153	114	43.9	5.03	2771	2769	
	1.54	53.5	134	186	224	242	239	235	232	229	224	218	208	192	167	123	46.6	4.45	2959	2957	
-30	1.29	46.1	124	179	221	247	254	251	249	247	245	241	230	208	179	132	46.6	3.45	3105	3103	
-40	0.99	36.6	111	168	211	243	258	261	261	260	257	252	239	217	182	135	42.2	2.27	3135	3133	
-50	0.70	25.4	91.5	153	197	232	253	263	267	264	259	252	235	211	174	119	33.5	1.34	3033	3030	
-60	0.48	14.9	61.8	123	173	209	232	248	255	254	250	241	220	190	149	82.8	20.8	0.93	2725	2721	
-70	0.35	6.39	30.4	68.8	112	140	157	169	181	189	194	188	167	135	92.1	42.3	6.17	0.72	1879	1871	
-80	0.26	2.04	6.53	16.0	30.3	40.7	41.4	33.2	36.1	49.1	65.8	69.8	62.0	45.5	27.1	8.88	1.45	0.49	537	450	
-90	0.15	0.89	1.62	2.31	3.01	3.43	3.49	3.53	3.70	3.98	4.36	4.89	4.70	3.72	2.85	1.56	0.62	0.25	49.1	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	14.0	460	1325	2009	2354	2524	2616	2660	2672	2650	2601	2487	2266	1972	1608	1108	377	36.6	31737	---	
Φ a	3.69	443	1306	1986	2325	2483	2571	2612	2629	2609	2562	2447	2224	1932	1575	1084	360	22.5	---	31173	

one-half-peak spread: U:22.2,D:45.0 , L:14.5,R:1.5 NEMA Beam Type: Type 7

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
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=1.0100]
Test Date:2018-09-28	Remarks:

ISOCANDELA DIAGRAM

Test:U:119.35V I:1.9774A P:235.37W PF:0.9974 Freq:49.99Hz Lamp Flux:31736.6x1 lm		
NAME: ASD-LSB1-240D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

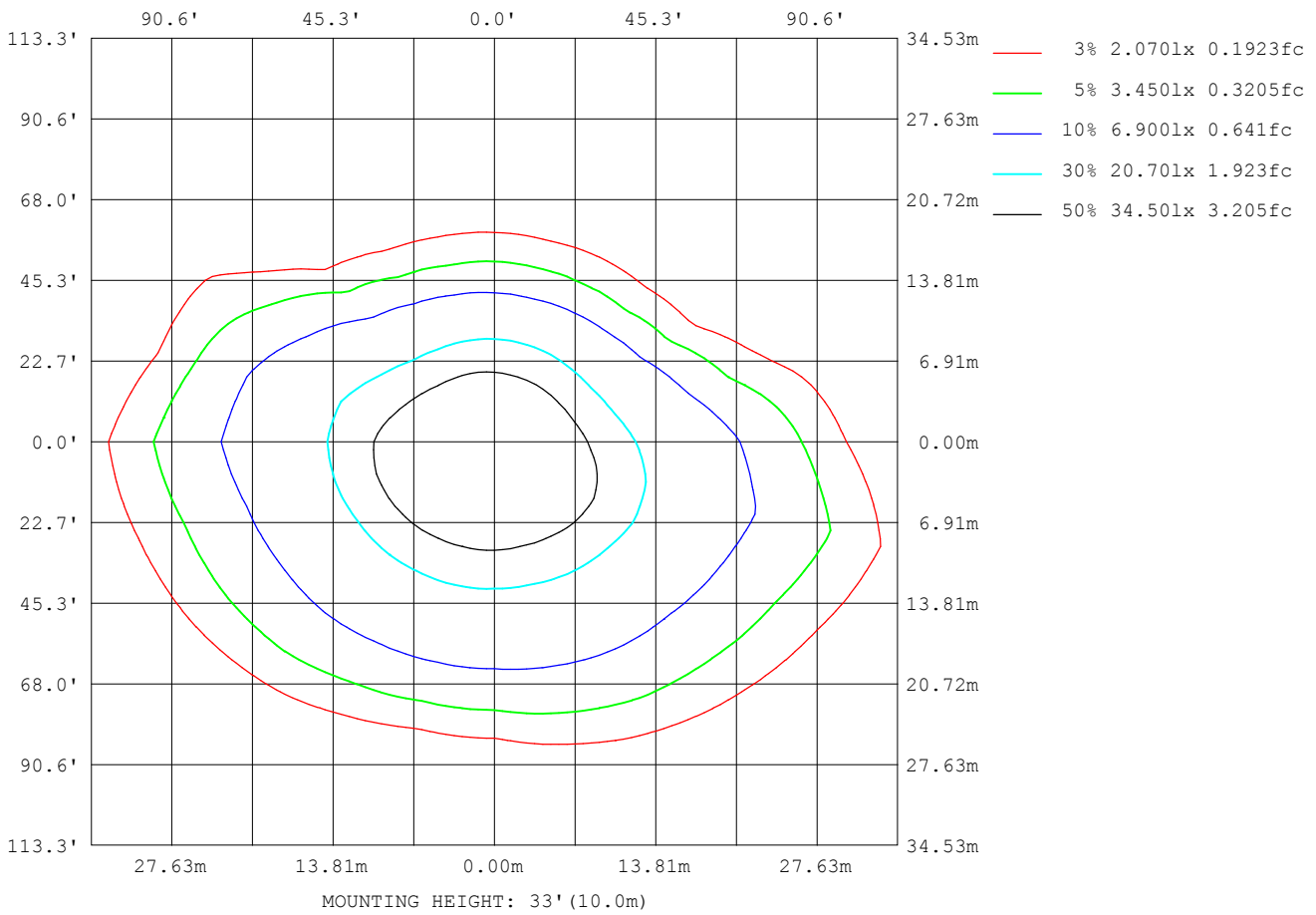


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2018-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0100]
 Remarks:

ISOLUX DIAGRAM

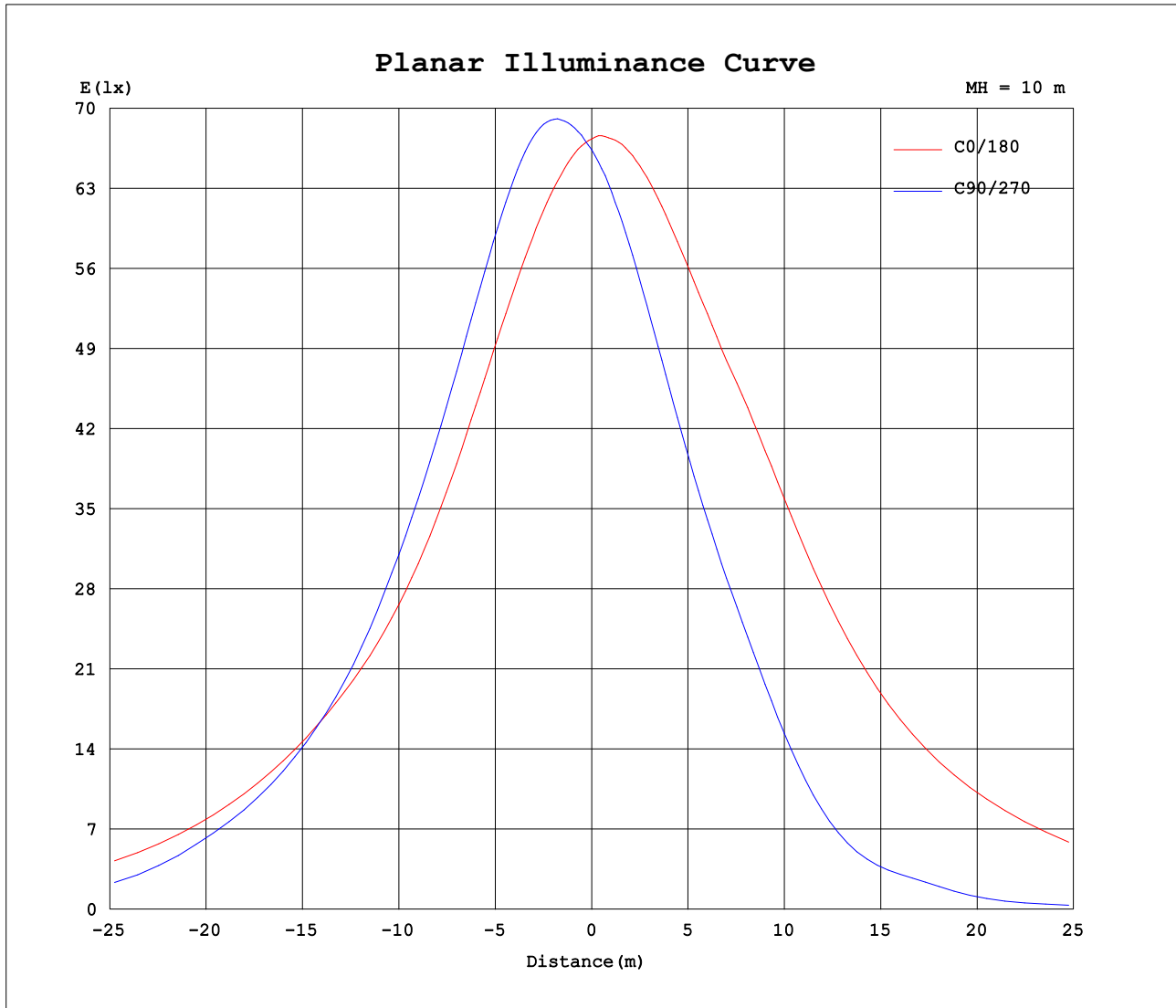
Test:U:119.35V I:1.9774A P:235.37W PF:0.9974 Freq:49.99Hz Lamp Flux:31736.6x1 lm		
NAME: ASD-LSB1-240D50-MS-PRM	TYPE:	
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C Range: 0 - 360DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0100]
 Remarks:

Planar Illuminance Curve

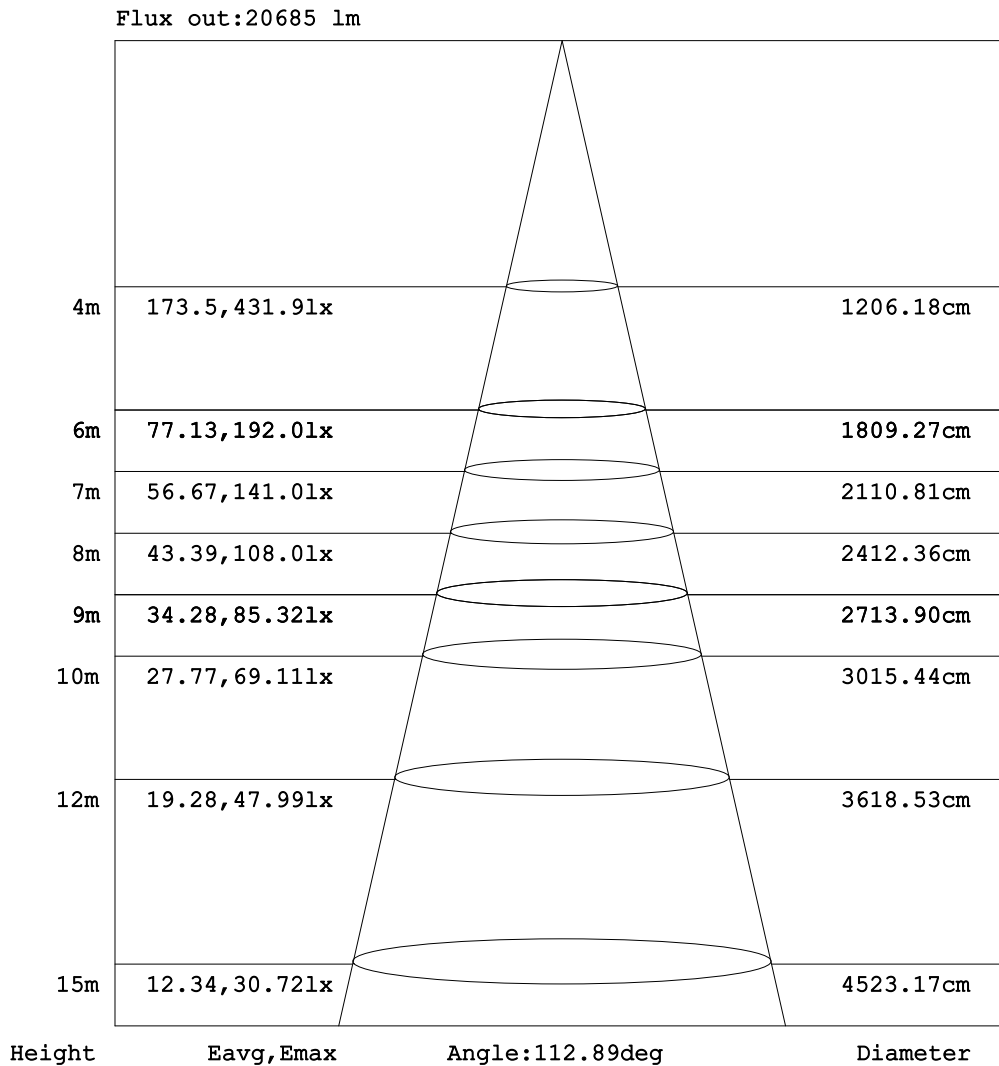


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 2018-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0100]
 Remarks:

AAI Figure

Test:U:119.35V I:1.9774A P:235.37W PF:0.9974 Freq:49.99Hz Lamp Flux:31736.6x1 lm		
NAME: ASD-LSB1-240D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



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:C
 Test Date:2018-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0100]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.35V I:1.9774A P:235.37W PF:0.9974 Freq:49.99Hz Lamp Flux:31736.6x1 lm		
NAME: ASD-LSB1-240D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: x10cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	2.85	3.35	3.84	4.33	3.77	3.21	2.65	2.45	2.26	2.06	2.11	2.16	2.20	1.84	1.48	1.12	1.19	1.27	1.34
-85	2.85	4.57	7.50	12.0	12.9	12.8	12.5	12.7	12.5	11.9	12.4	12.5	12.1	12.1	12.1	12.0	12.2	12.3	12.3
-80	2.85	5.76	11.9	19.0	20.1	22.7	24.6	25.8	28.7	32.5	31.6	29.4	25.8	25.1	25.0	24.5	25.2	25.6	25.8
-75	2.85	7.16	15.1	21.9	34.4	42.1	41.8	69.2	93.4	101	125	131	123	117	92.1	49.1	48.6	53.5	57.0
-70	2.85	8.61	17.1	37.1	68.5	110	175	229	285	365	388	396	399	372	345	322	331	340	343
-65	2.85	9.85	20.3	60.2	149	234	310	387	475	518	540	560	560	568	582	590	608	623	626
-60	2.85	10.7	27.8	110	239	345	453	564	637	696	730	742	754	763	773	777	782	786	784
-55	2.85	11.6	35.0	168	326	474	614	719	779	811	837	846	849	849	852	851	849	846	841
-50	2.85	12.3	48.9	228	421	607	742	822	851	877	894	901	898	890	887	883	878	873	866
-45	2.85	12.8	66.1	306	530	718	835	880	898	919	932	936	929	918	909	901	890	884	877
-40	2.85	13.4	84.7	396	623	804	892	925	939	953	962	960	949	933	913	898	882	875	870
-35	2.85	14.1	103	475	706	869	934	965	978	982	985	976	959	937	911	888	869	860	856
-30	2.85	15.2	126	530	785	928	971	1000	1010	1010	1003	989	965	936	903	874	854	843	838
-25	2.85	15.9	148	570	855	978	1008	1031	1036	1029	1016	997	964	925	884	853	834	821	816
-20	2.85	16.3	179	601	912	1019	1042	1055	1057	1043	1021	991	954	900	858	829	808	795	789
-15	2.85	16.4	205	632	960	1056	1068	1071	1064	1050	1019	973	919	867	827	798	777	764	758
-10	2.85	16.3	224	655	1000	1087	1090	1081	1064	1039	1000	947	879	828	791	764	743	730	723
-5	2.85	15.9	236	672	1034	1116	1109	1090	1063	1026	972	906	843	796	758	730	711	697	691
0	2.85	15.4	240	682	1062	1144	1127	1099	1063	1015	948	873	816	773	740	716	697	682	673
5	2.85	15.6	234	649	1019	1117	1109	1078	1031	970	899	831	779	741	711	688	669	653	642
10	2.85	15.6	220	613	968	1087	1092	1059	1004	933	856	793	746	712	688	667	647	631	619
15	2.85	15.5	198	573	908	1052	1074	1045	984	904	819	759	715	684	664	647	630	612	598
20	2.85	15.3	169	530	836	1007	1052	1033	961	866	784	725	683	655	635	623	609	593	578
25	2.85	14.9	133	498	750	945	1022	994	909	824	747	690	652	622	606	595	586	573	561
30	2.85	14.4	109	469	637	862	957	919	848	773	704	656	617	591	578	568	562	554	544
35	2.85	13.9	83.3	431	511	754	859	832	772	708	654	610	573	561	549	544	539	534	527
40	2.85	13.3	62.7	365	402	648	760	735	677	627	578	538	521	515	507	509	507	505	500
45	2.85	12.6	42.6	281	337	528	671	640	573	529	476	433	438	435	435	440	440	441	435
50	2.85	11.9	31.4	196	312	384	589	579	490	429	365	335	336	329	334	337	337	339	332
55	2.85	11.0	23.8	125	267	268	452	555	429	344	270	258	251	235	240	239	237	238	233
60	2.85	9.84	20.5	66.0	191	207	251	413	363	247	182	189	187	184	187	189	190	192	191
65	2.85	8.54	18.6	32.2	104	145	120	161	219	155	87.0	103	102	99.6	104	102	103	101	96.4
70	2.85	7.18	16.4	24.2	39.9	78.7	70.7	62.1	76.6	76.6	67.8	71.9	75.1	75.5	74.9	74.2	68.9	62.4	55.4
75	2.85	5.74	13.2	21.4	26.6	36.2	46.1	44.9	45.1	45.9	50.6	55.6	59.2	57.4	54.5	51.5	46.9	41.2	34.7
80	2.85	4.48	8.90	16.1	19.1	23.8	30.5	29.2	26.2	22.8	28.4	33.6	37.6	35.7	32.8	29.1	27.5	25.6	23.4
85	2.85	3.74	4.92	7.63	8.83	8.97	9.14	10.1	10.5	9.48	10.5	11.7	13.0	13.4	13.5	13.4	12.9	12.4	11.7
90	2.85	2.98	3.11	3.24	3.22	3.20	3.17	3.03	2.88	2.74	2.60	2.47	2.33	2.21	2.09	1.96	1.83	1.69	1.56

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2018-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0100]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.35V I:1.9774A P:235.37W PF:0.9974 Freq:49.99Hz Lamp Flux:31736.6x1 lm		
NAME: ASD-LSB1-240D50-MS-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	1.55	1.77	1.98	2.05	2.12	2.20	2.41	2.63	2.85	3.45	4.05	4.65	4.37	4.10	3.82	4.69	5.56	6.43	
-85	12.5	12.7	12.8	15.5	17.7	19.4	18.8	18.2	17.5	16.6	16.0	15.8	12.6	9.17	6.42	9.21	9.25	6.43	
-80	27.9	29.7	31.4	37.4	37.8	39.4	46.6	43.9	34.8	38.8	33.7	26.0	18.7	13.4	9.62	14.9	13.0	6.43	
-75	128	189	233	252	270	278	250	227	210	181	146	104	48.3	22.5	13.7	20.4	17.5	6.43	
-70	380	411	435	459	471	472	470	452	418	379	318	255	165	59.8	22.4	25.0	22.3	6.43	
-65	652	671	686	696	704	700	684	670	640	599	537	427	337	173	45.2	29.1	27.0	6.43	
-60	793	798	806	818	829	830	821	804	801	780	728	625	471	342	112	33.4	31.0	6.43	
-55	843	844	854	870	882	886	889	889	889	884	862	816	617	481	226	43.0	35.0	6.43	
-50	867	866	876	892	908	917	923	935	951	952	948	941	827	538	349	67.6	37.9	6.43	
-45	875	872	883	898	917	933	941	963	988	1000	1003	1013	972	638	439	105	40.1	6.43	
-40	869	869	881	894	917	940	960	980	1007	1025	1031	1056	1059	775	472	175	42.3	6.43	
-35	859	864	876	891	913	939	960	987	1017	1024	1043	1078	1110	858	470	242	44.2	6.43	
-30	840	848	862	880	904	924	948	981	996	1013	1041	1087	1077	887	466	305	45.7	6.43	
-25	816	821	833	852	877	898	929	949	968	993	1030	1063	1041	887	483	358	47.1	6.43	
-20	787	789	797	815	833	863	884	906	934	969	1002	1022	1005	870	493	389	48.4	6.43	
-15	754	754	760	771	790	810	833	862	897	927	960	984	970	846	504	412	49.6	6.43	
-10	720	721	726	733	746	764	787	814	845	881	920	949	936	816	500	428	50.7	6.43	
-5	690	691	695	701	712	727	746	767	798	836	882	916	902	780	484	439	51.8	6.43	
0	668	666	670	675	685	696	709	726	754	796	847	884	866	739	458	444	52.8	6.43	
5	634	632	636	644	654	661	670	686	711	747	787	812	796	696	426	419	51.8	6.43	
10	613	611	616	623	627	627	632	646	668	699	727	737	724	649	387	390	50.7	6.43	
15	591	591	595	601	600	599	602	610	625	648	661	658	651	598	343	360	49.5	6.43	
20	570	570	574	576	574	568	571	578	586	592	586	574	582	542	295	328	48.3	6.43	
25	553	552	553	553	549	545	539	539	539	532	509	483	518	476	256	295	47.0	6.43	
30	539	535	534	532	526	519	508	489	474	458	435	412	465	393	219	244	45.7	6.43	
35	523	518	515	508	497	478	458	429	387	373	362	366	419	291	196	191	44.3	6.43	
40	494	484	477	462	443	414	383	350	311	287	300	320	358	184	178	137	42.3	6.43	
45	428	413	401	381	357	328	290	267	247	224	243	266	256	99.3	157	84.8	40.0	6.43	
50	324	309	296	280	258	240	219	213	202	183	160	202	146	60.5	126	56.7	37.6	6.43	
55	229	221	216	211	206	199	185	162	142	113	81.0	124	75.4	48.1	86.8	39.2	34.5	6.43	
60	187	180	171	161	145	127	109	90.3	85.3	73.5	65.5	68.3	51.1	39.9	50.0	32.6	30.4	6.43	
65	93.9	89.4	84.4	82.8	80.9	78.7	75.2	71.8	67.2	61.2	54.4	47.5	39.9	32.0	29.4	29.1	26.2	6.43	
70	53.0	49.8	47.5	52.2	55.9	56.9	55.8	55.4	53.6	48.4	41.8	35.8	30.3	24.6	20.5	24.6	21.6	6.43	
75	34.1	33.3	32.6	34.6	35.9	36.6	38.6	39.9	39.2	34.7	29.9	24.0	20.1	16.9	13.8	19.2	16.8	6.43	
80	23.0	22.5	21.9	22.5	22.8	22.8	24.2	25.0	24.5	19.6	15.6	12.8	11.8	9.83	7.70	13.3	12.4	6.43	
85	11.4	11.1	10.6	11.1	11.5	11.8	11.2	10.4	9.51	8.34	7.16	6.10	5.40	4.73	4.24	8.00	8.82	6.43	
90	1.52	1.49	1.46	1.57	1.68	1.80	1.94	2.09	2.23	2.35	2.46	2.58	2.75	2.91	3.08	4.19	5.31	6.43	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2018-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0100]
 Remarks: