

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	380.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I <sub>max</sub>	140.3V x 165.2H
	At 50% of I <sub>max</sub>	112.5V x 160.3H
	At 90% of I <sub>max</sub>	42.0V x 148.9H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I <sub>max</sub>	979.4 lumens per klm.
	To 50% of I <sub>max</sub>	774.0 lumens per klm.
	To 90% of I <sub>max</sub>	49.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

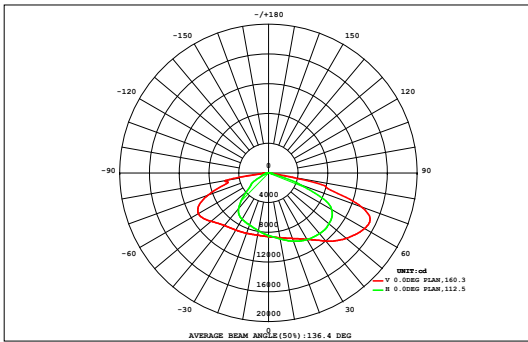
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 2018-09-28

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=1.0275]  
 Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.22V I:2.5018A P:297.17W PF:0.9963 Freq:0Hz Lamp Flux:39755.8x1 lm		
NAME: ASD-LSB1-300D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:133.78lm/W	
MOBESD-LSB1-300D50-MS-PRM		Imax (cd)	15131
NOMINAL POWER (W)	300	AVAILABILITY (%)	98.0
RATED VOLTAGE (V)	120	Avai. FLUX (lm)	38963
NOMINAL FLUX (lm)	39755.8	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	39756
TEST VOLTAGE (V)	120	θ @50% (H,V)	160,113DEG

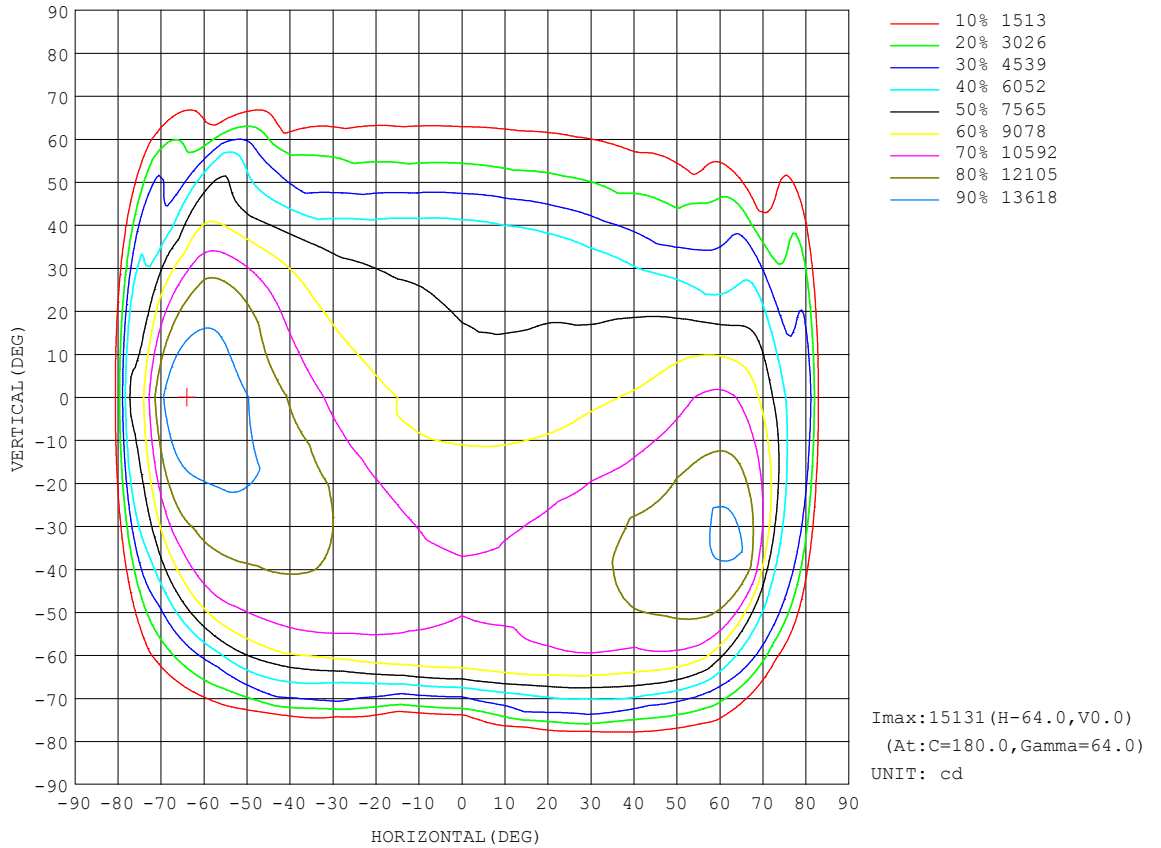
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.15	0.89	1.75	2.57	3.02	4.36	5.50	5.55	5.26	4.93	4.70	4.72	4.35	3.41	2.27	1.37	0.78	0.39	56.0	0.00
80	0.30	2.30	6.07	9.51	12.5	17.2	20.1	19.7	17.0	14.6	13.7	14.0	13.3	11.3	7.45	4.09	1.94	0.77	186	0.00
70	0.45	4.39	21.5	31.2	37.4	32.6	37.1	40.3	40.6	38.2	33.7	30.2	25.2	19.5	13.2	7.37	3.34	1.11	417	153
60	0.54	14.5	48.6	104	92.5	79.3	83.3	88.8	91.9	89.7	82.3	71.7	55.3	38.2	23.9	13.7	6.60	1.35	987	938
50	0.66	27.0	79.2	139	138	132	142	152	157	152	138	117	90.2	68.2	52.4	33.5	13.6	1.69	1634	1625
40	0.84	37.1	110	176	189	191	197	206	210	205	194	172	140	103	78.0	58.3	22.7	2.51	2294	2291
30	1.13	48.4	143	214	227	224	223	227	226	220	212	198	174	144	107	78.3	32.8	3.76	2703	2701
	1.42	59.6	166	233	250	244	243	244	238	230	224	212	193	171	141	99.6	42.2	5.05	2998	2995
	1.61	68.6	183	244	266	264	261	259	253	245	239	230	213	195	171	121	50.0	6.03	3271	3269
	1.61	69.8	185	248	280	285	277	270	265	264	259	249	235	217	193	138	55.5	6.14	3498	3496
	1.43	63.0	173	243	287	304	299	290	287	284	278	270	258	240	211	151	58.0	5.31	3703	3701
-30	1.15	52.9	158	232	283	312	316	311	308	306	302	297	285	261	228	164	56.9	4.04	3879	3876
-40	0.87	40.2	136	215	270	307	321	321	321	320	317	312	300	276	233	167	49.9	2.67	3909	3906
-50	0.66	25.9	107	190	249	292	315	324	327	325	321	316	299	271	225	144	37.8	1.72	3770	3765
-60	0.51	13.2	66.7	145	213	259	290	308	315	316	312	303	279	244	194	99.5	21.8	1.33	3382	3375
-70	0.41	4.57	28.4	74.4	132	170	193	211	227	240	247	239	214	176	122	50.6	6.37	1.09	2338	2324
-80	0.28	2.00	5.31	13.9	29.6	43.4	47.3	41.1	46.5	64.2	86.5	92.4	82.3	60.6	36.8	11.2	1.90	0.77	666	550
-90	0.15	0.83	1.68	2.47	3.31	4.08	4.56	4.99	5.37	5.71	6.06	6.70	6.55	5.22	4.15	2.32	0.90	0.40	65.5	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	14.2	535	1621	2517	2962	3166	3275	3324	3343	3324	3269	3134	2868	2505	2043	1346	463	46.1	39756	---
Φ a	1.69	511	1596	2484	2921	3112	3211	3258	3281	3266	3214	3077	2809	2451	1996	1311	439	25.3	---	38963

one-half-peak spread: U:23.4,D:44.4 , L:15.0,R:2.3 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=1.0275]
Test Date:2018-09-28	Remarks:

**ISOCANDELA DIAGRAM**

Test:U:119.22V I:2.5018A P:297.17W PF:0.9963 Freq:0Hz Lamp Flux:39755.8x1 lm		
NAME: ASD-LSB1-300D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

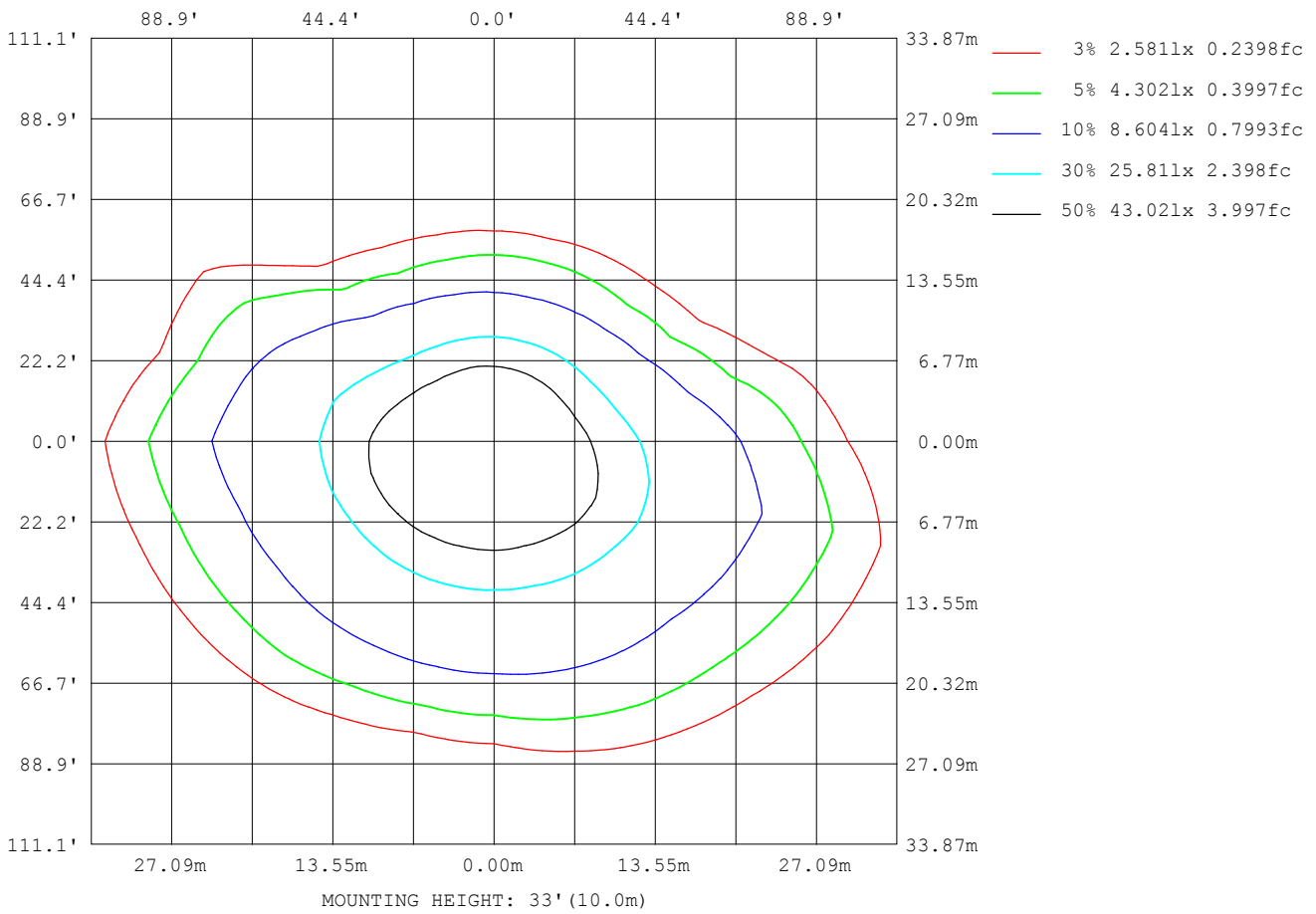


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:2018-09-28

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=1.0275]  
 Remarks:

**ISOLUX DIAGRAM**

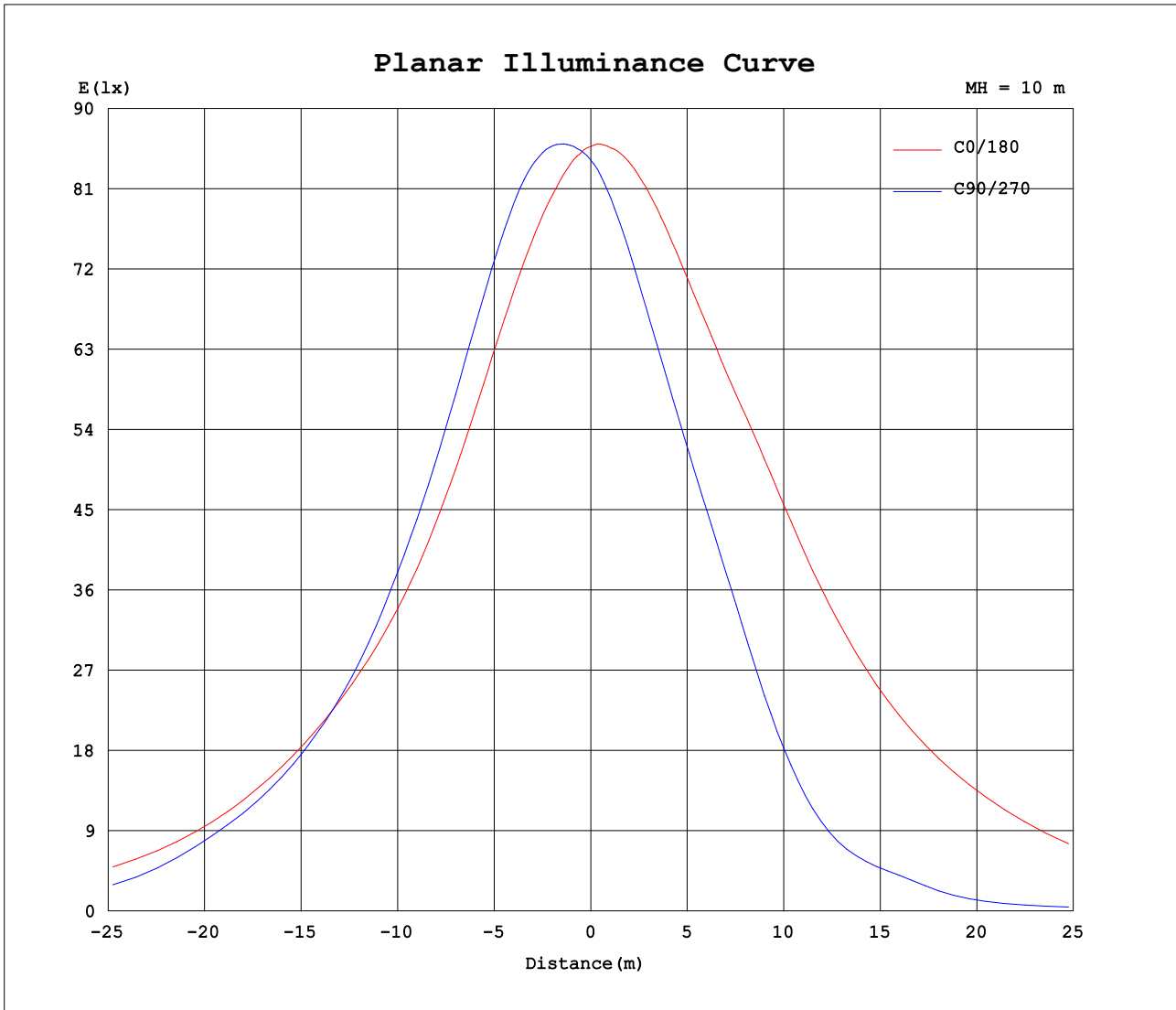
Test:U:119.22V I:2.5018A P:297.17W PF:0.9963 Freq:0Hz Lamp Flux:39755.8x1 lm		
NAME: ASD-LSB1-300D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



C Range: 0 - 360DEG  
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γ Range: 0 - 90DEG  
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 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0275]  
 Remarks:

**Planar Illuminance Curve**

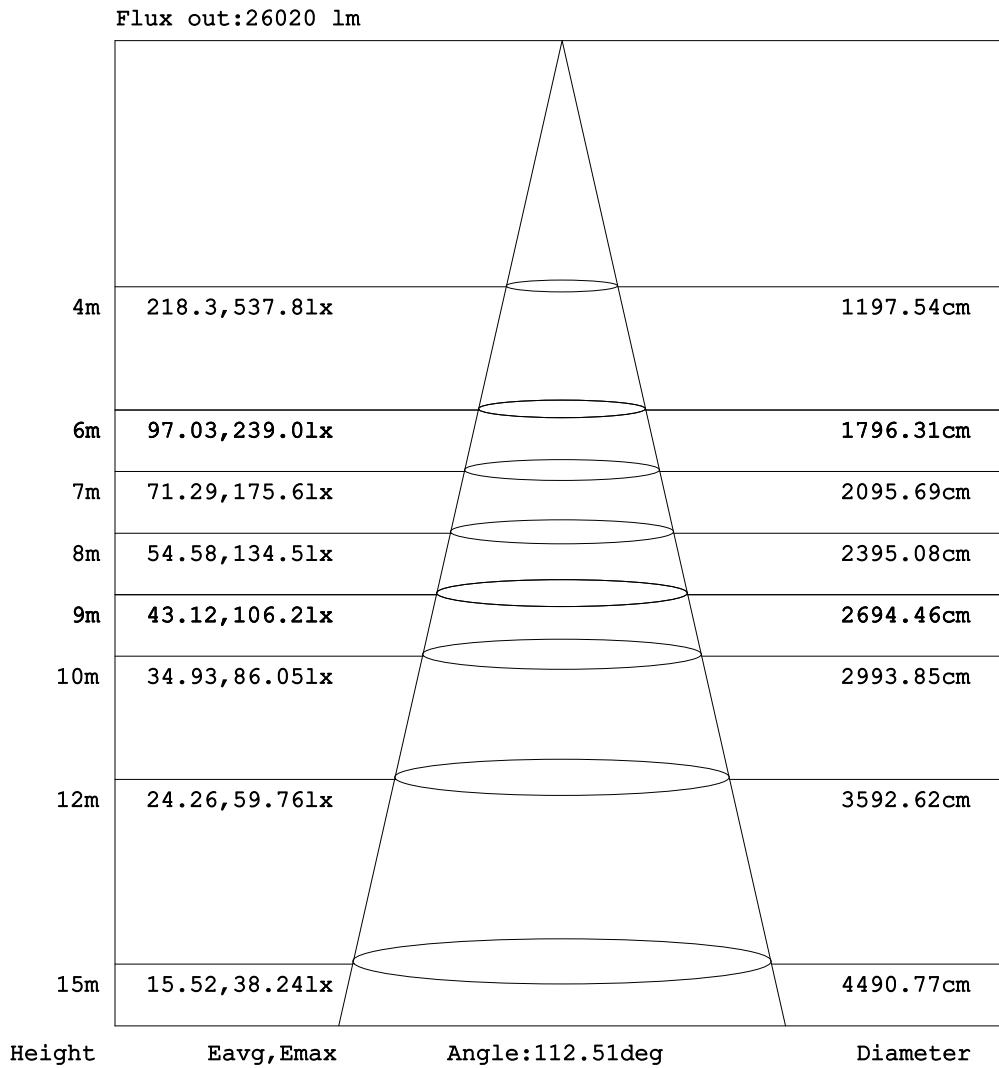


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:2018-09-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0275]  
 Remarks:

**AAI Figure**

Test:U:119.22V I:2.5018A P:297.17W PF:0.9963 Freq:0Hz Lamp Flux:39755.8x1 lm		
NAME: ASD-LSB1-300D50-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=1.0275]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.22V I:2.5018A P:297.17W PF:0.9963 Freq:0Hz Lamp Flux:39755.8x1 lm		
NAME: ASD-LSB1-300D50-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	3.75	3.74	3.73	3.72	3.41	3.11	2.81	2.55	2.30	2.05	2.30	2.55	2.80	2.65	2.50	2.35	2.59	2.83	3.07
-85	3.75	4.90	6.63	10.1	11.9	12.7	12.8	13.4	13.6	13.3	14.2	14.8	15.1	15.6	16.1	16.5	16.9	17.2	17.4
-80	3.75	6.04	11.6	19.9	22.5	24.2	26.7	28.7	31.8	36.1	36.8	35.9	32.9	32.7	33.7	34.7	35.8	36.5	36.7
-75	3.75	7.66	16.5	26.0	28.8	36.6	39.9	50.4	75.8	83.5	105	121	119	118	99.3	62.2	62.4	68.2	72.9
-70	3.75	9.43	20.3	29.0	47.4	77.8	141	218	290	400	447	470	487	459	436	417	424	434	437
-65	3.75	11.1	22.9	42.5	103	215	324	415	539	616	653	670	678	692	715	731	761	785	794
-60	3.75	12.7	25.0	70.8	219	360	485	630	755	831	896	915	935	952	968	975	980	984	982
-55	3.75	14.1	31.0	125	332	501	690	849	949	1005	1032	1050	1057	1058	1062	1058	1053	1049	1042
-50	3.75	15.2	38.6	205	438	673	880	1007	1058	1091	1117	1128	1125	1113	1103	1089	1075	1069	1062
-45	3.75	16.2	47.3	303	562	833	1021	1103	1125	1160	1176	1176	1166	1145	1123	1106	1088	1082	1076
-40	3.75	17.1	62.8	416	691	967	1122	1170	1193	1213	1220	1213	1191	1162	1127	1103	1079	1072	1066
-35	3.75	17.9	81.1	529	810	1073	1192	1234	1254	1255	1254	1235	1204	1166	1124	1092	1069	1059	1054
-30	3.75	18.6	106	616	920	1169	1249	1289	1301	1294	1278	1251	1210	1164	1116	1079	1056	1042	1036
-25	3.75	19.2	128	671	1021	1248	1307	1336	1338	1320	1295	1260	1207	1150	1097	1059	1033	1017	1010
-20	3.75	19.7	162	716	1106	1314	1358	1372	1366	1338	1298	1249	1194	1120	1067	1026	1000	985	978
-15	3.75	20.1	188	756	1178	1372	1399	1395	1375	1346	1293	1224	1150	1084	1027	986	959	945	939
-10	3.75	20.3	208	788	1237	1421	1433	1410	1373	1326	1265	1191	1105	1038	986	946	920	906	900
-5	3.75	20.3	219	812	1287	1466	1464	1423	1369	1306	1227	1141	1063	1001	950	912	888	871	867
0	3.75	20.1	222	831	1325	1508	1494	1436	1367	1289	1196	1102	1031	978	938	908	885	868	857
5	3.75	20.4	221	795	1258	1451	1455	1404	1329	1239	1143	1057	992	944	908	880	855	834	817
10	3.75	20.6	211	757	1180	1388	1415	1374	1297	1199	1098	1017	956	913	882	856	830	808	791
15	3.75	20.5	192	719	1091	1317	1371	1346	1273	1169	1058	979	921	880	853	830	808	786	767
20	3.75	20.3	165	680	989	1231	1319	1316	1238	1121	1016	940	885	846	817	801	784	764	747
25	3.75	20.0	129	652	876	1124	1249	1248	1159	1060	969	898	848	808	786	772	761	747	732
30	3.75	19.5	104	627	739	995	1145	1137	1065	981	906	848	801	770	756	743	737	729	717
35	3.75	18.9	77.2	567	605	845	1023	1019	951	878	821	771	731	722	712	708	705	701	692
40	3.75	18.2	57.9	467	508	730	912	902	824	761	705	656	640	638	632	638	636	637	630
45	3.75	17.4	42.7	344	472	590	812	812	710	640	572	511	519	516	516	523	522	525	518
50	3.75	16.4	36.4	220	464	431	687	767	637	535	446	403	398	384	388	390	388	390	382
55	3.75	15.2	31.5	121	382	336	468	692	570	433	339	323	314	295	299	297	296	297	295
60	3.75	13.6	28.1	61.4	233	291	245	406	438	304	198	219	217	217	223	225	229	232	229
65	3.75	11.7	26.1	39.5	99.5	186	145	135	209	177	106	120	122	120	124	123	123	121	116
70	3.75	9.81	23.3	33.5	46.0	81.2	86.8	71.6	82.3	88.8	87.5	92.7	97.1	97.9	97.6	97.0	90.3	81.8	72.5
75	3.75	7.81	18.7	30.9	34.5	43.1	54.9	55.3	55.8	57.5	63.9	70.6	75.4	73.5	70.2	66.7	61.5	55.0	47.8
80	3.75	6.04	12.4	23.2	25.7	28.6	34.2	34.1	31.8	28.0	34.6	41.3	46.8	45.5	42.8	39.3	37.3	34.9	32.1
85	3.75	5.00	6.64	10.6	12.2	11.9	10.5	11.5	12.5	12.3	13.6	14.9	16.2	16.8	17.1	17.2	16.8	16.3	15.6
90	3.75	3.94	4.12	4.31	4.30	4.30	4.29	4.09	3.90	3.71	3.51	3.32	3.12	2.93	2.73	2.54	2.38	2.23	2.07

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
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 Temperature:25.3DEG  
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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=1.0275]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.22V I:2.5018A P:297.17W PF:0.9963 Freq:0Hz Lamp Flux:39755.8x1 lm		
NAME: ASD-LSB1-300D50-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	3.20	3.33	3.47	3.69	3.91	4.13	4.70	5.27	5.85	6.95	8.05	9.15	7.88	6.61	5.33	7.25	9.16	11.1	
-85	17.8	18.1	18.3	21.8	24.9	27.3	26.2	25.2	24.4	23.8	23.3	23.3	18.5	13.3	8.77	14.5	15.3	11.1	
-80	38.5	39.7	40.9	50.6	48.0	49.5	64.3	62.8	48.3	53.1	44.6	36.6	26.2	18.5	13.0	22.9	21.5	11.1	
-75	169	252	311	333	360	379	336	300	279	249	200	141	61.1	28.2	18.3	30.5	28.3	11.1	
-70	488	530	563	596	612	613	616	595	545	500	426	339	190	66.5	27.0	36.5	35.5	11.1	
-65	832	861	882	888	894	894	880	860	838	795	710	551	396	176	48.0	41.0	42.3	11.1	
-60	995	1005	1018	1033	1045	1047	1037	1028	1035	1021	963	792	568	358	108	45.1	47.8	11.1	
-55	1047	1052	1067	1087	1099	1120	1133	1123	1137	1150	1139	1031	731	535	228	53.9	53.3	11.1	
-50	1067	1072	1091	1117	1141	1160	1178	1202	1218	1231	1233	1193	981	603	373	75.4	57.1	11.1	
-45	1074	1074	1093	1118	1149	1176	1200	1236	1268	1290	1297	1289	1170	711	499	109	59.8	11.1	
-40	1067	1068	1087	1109	1143	1181	1210	1248	1293	1313	1329	1345	1291	881	564	185	62.5	11.1	
-35	1057	1063	1079	1101	1134	1174	1204	1244	1297	1314	1336	1379	1372	1000	582	263	64.8	11.1	
-30	1038	1045	1061	1084	1117	1147	1183	1229	1260	1292	1328	1392	1339	1050	586	347	66.4	11.1	
-25	1009	1014	1027	1050	1080	1108	1151	1182	1214	1259	1312	1356	1294	1057	612	421	68.0	11.1	
-20	973	975	984	1004	1028	1063	1093	1125	1166	1220	1272	1292	1246	1040	629	472	69.5	11.1	
-15	935	935	943	956	978	1006	1035	1069	1117	1165	1215	1236	1196	1010	648	513	71.1	11.1	
-10	898	901	907	918	934	957	985	1015	1059	1109	1162	1186	1144	969	650	546	72.6	11.1	
-5	869	872	879	887	901	918	941	967	1007	1059	1113	1139	1091	920	639	570	74.1	11.1	
0	853	850	855	863	875	887	902	924	959	1013	1068	1093	1035	863	618	586	75.7	11.1	
5	807	804	808	819	832	841	854	875	906	948	986	997	952	814	573	551	74.3	11.1	
10	782	780	785	792	797	798	807	827	853	882	901	899	867	759	523	510	72.8	11.1	
15	757	756	760	767	767	769	775	784	797	810	809	797	783	698	468	465	71.4	11.1	
20	737	736	740	743	743	737	742	743	742	731	706	690	702	628	410	416	70.0	11.1	
25	724	722	722	723	719	713	700	689	672	648	606	582	628	545	362	365	68.5	11.1	
30	711	707	704	699	688	671	647	612	581	553	521	503	564	443	316	295	67.0	11.1	
35	685	676	668	654	632	599	567	524	470	451	443	454	499	326	281	223	65.5	11.1	
40	621	603	591	568	540	502	461	422	381	359	376	396	403	209	248	157	63.2	11.1	
45	508	488	473	450	422	389	349	332	315	293	304	325	275	117	213	96.5	60.4	11.1	
50	375	359	347	332	317	303	285	278	259	231	198	236	157	77.3	166	70.2	57.6	11.1	
55	292	287	283	280	274	257	233	196	174	142	109	145	91.0	66.0	110	54.1	53.7	11.1	
60	225	213	200	188	169	152	133	119	113	99.7	90.4	88.0	69.6	56.3	63.8	47.5	47.9	11.1	
65	114	111	106	106	106	104	100	96.5	90.8	83.9	75.7	66.8	56.4	46.4	41.4	43.3	42.2	11.1	
70	69.5	65.6	63.3	69.8	74.5	75.9	75.2	74.6	72.1	66.6	59.2	50.7	44.3	36.6	30.5	38.0	35.3	11.1	
75	47.1	46.1	45.2	48.1	50.0	51.1	53.1	54.3	53.3	48.0	42.7	37.0	31.7	25.8	21.5	30.9	28.1	11.1	
80	31.8	31.3	30.7	31.8	32.4	32.6	34.1	34.8	34.4	29.7	25.1	20.8	19.1	16.4	13.6	22.4	21.2	11.1	
85	15.5	15.3	14.9	15.9	16.8	17.5	16.7	15.8	14.8	13.6	12.3	10.9	9.87	8.84	7.85	13.9	15.1	11.1	
90	2.08	2.09	2.10	2.49	2.88	3.28	3.48	3.69	3.89	4.08	4.26	4.45	4.67	4.88	5.10	7.09	9.09	11.1	

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=1.0275]  
 Remarks: