

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		391.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	140.3V x 164.5H
	At 50% of I _{max}	113.0V x 158.9H
	At 90% of I _{max}	45.3V x 144.6H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I _{max}	979.9 lumens per klm.
	To 50% of I _{max}	764.7 lumens per klm.
	To 90% of I _{max}	36.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

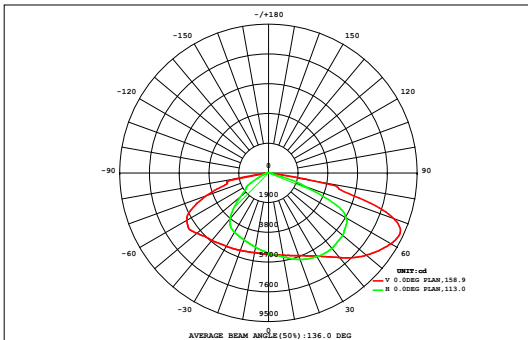
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

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:119.57V I:1.5273A P:182.17W PF:0.9976 Freq:49.99Hz Lamp Flux:23653x1 lm		
NAME: ASD-LSB1-185D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:129.84lm/W	
MOBESD-LSB1-185D50-MS-PRM		Imax (cd)	9250
NOMINAL POWER (W)	185	AVAILABILITY (%)	98.0
RATED VOLTAGE (V)	120	Avai. FLUX (lm)	23183
NOMINAL FLUX (lm)	23653	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	23653
TEST VOLTAGE (V)	120	θ @50% (H, V)	159,113DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.19	0.97	1.62	2.15	2.34	3.13	3.64	3.44	2.98	2.59	2.38	2.33	2.09	1.58	0.99	0.55	0.26	0.07	33.3	0.00
80	0.28	1.69	5.28	6.28	8.43	10.8	12.2	11.9	10.2	8.71	8.05	8.04	7.47	6.19	3.89	1.98	0.76	0.14	112	0.00
70	0.35	5.52	18.5	25.8	25.7	21.5	23.7	25.4	25.3	23.4	20.2	17.6	14.6	11.3	7.48	3.92	1.55	0.29	272	123
60	0.42	14.9	34.8	67.9	57.2	49.9	51.8	54.8	56.1	54.2	49.3	42.3	31.8	20.9	12.4	6.44	2.58	0.44	608	576
50	0.62	21.2	53.9	84.2	83.8	81.3	87.7	93.8	96.1	92.0	82.4	68.6	52.1	38.8	28.8	15.7	5.32	0.56	987	978
40	1.00	27.2	72.3	107	114	116	120	126	128	125	118	103	82.2	58.7	44.0	30.3	9.42	0.68	1383	1381
30	1.51	34.5	90.6	129	135	135	135	139	138	134	130	120	105	83.9	60.1	41.8	14.3	0.93	1627	1625
-30	1.97	41.3	103	140	148	146	147	148	145	141	137	130	117	102	80.2	52.8	19.1	1.26	1801	1800
-40	2.25	46.7	113	146	158	157	156	156	154	149	146	140	130	117	98.5	63.7	23.0	1.55	1959	1958
-50	2.22	47.7	114	149	167	168	165	163	161	160	157	151	143	130	112	73.6	25.5	1.56	2091	2090
-60	1.90	43.9	109	148	172	180	177	174	173	171	169	164	156	143	123	81.9	26.1	1.28	2214	2213
-70	1.43	38.2	100	143	171	186	187	186	184	184	182	179	171	155	133	88.4	24.4	0.93	2316	2314
-80	0.97	30.6	88.8	133	164	184	190	190	191	191	190	187	178	162	135	86.9	19.9	0.64	2322	2321
-90	0.62	21.6	72.4	117	150	174	185	189	191	190	188	186	175	158	128	69.4	13.7	0.52	2209	2207
-90	0.42	12.3	48.8	92.7	129	155	171	180	184	183	181	177	160	138	104	45.2	5.78	0.41	1969	1965
-90	0.32	4.99	23.5	51.7	82.4	103	117	126	134	138	140	136	118	93.5	61.1	19.7	1.47	0.28	1350	1343
-90	0.25	1.53	4.98	12.1	22.8	29.9	30.5	25.2	25.9	33.3	43.6	46.1	39.8	27.3	14.7	3.40	0.61	0.14	362	291
-90	0.17	0.84	1.40	1.92	2.45	2.78	2.91	3.03	3.09	3.06	3.04	3.32	3.00	2.27	1.70	0.87	0.26	0.07	36.2	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	16.9	395	1057	1556	1793	1904	1964	1995	2002	1983	1947	1862	1687	1449	1150	687	194	11.7	23653	---
Φ a	8.39	383	1042	1537	1768	1871	1927	1956	1965	1949	1914	1829	1651	1416	1122	665	178	2.69	---	23183

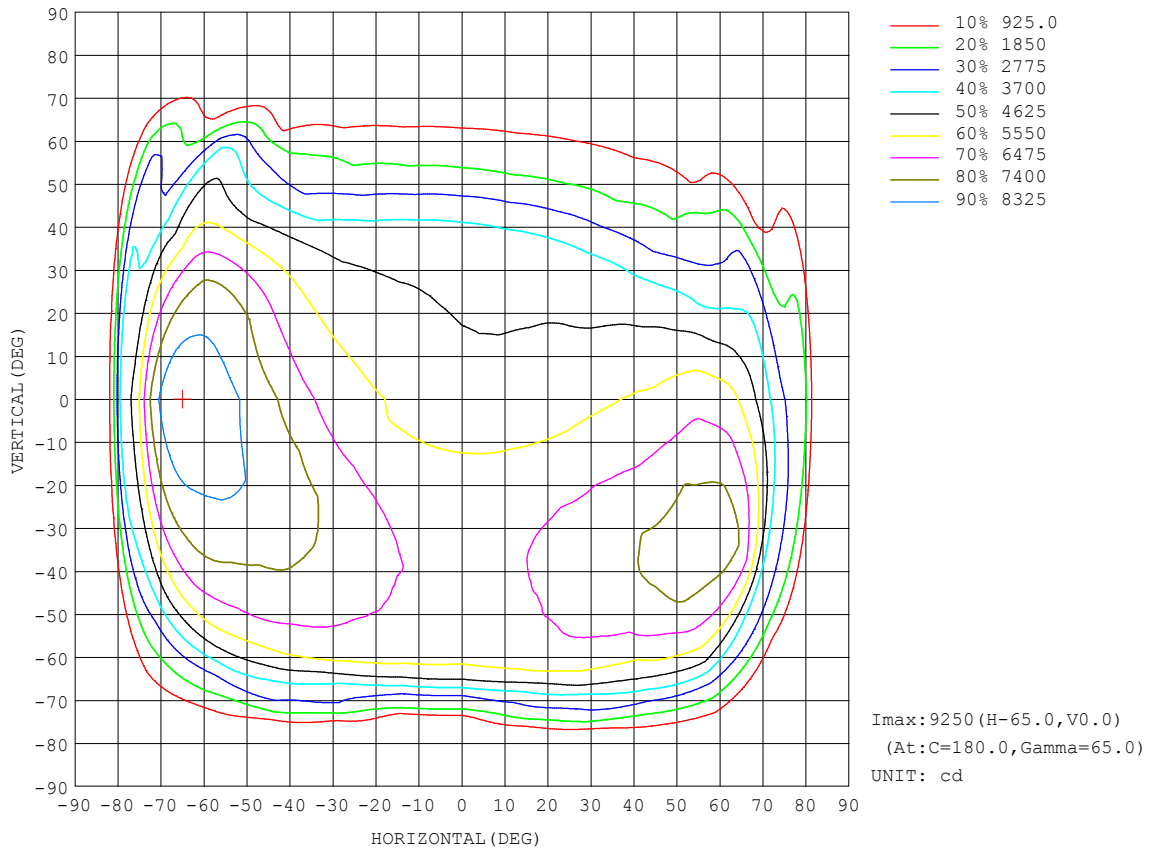
one-half-peak spread: U:28.2,D:45.1 , L:15.4,R:0.8 NEMA Beam Type: Type 7

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:

ISOCANDELA DIAGRAM

Test:U:119.57V I:1.5273A P:182.17W PF:0.9976 Freq:49.99Hz Lamp Flux:23653x1 lm		
NAME: ASD-LSB1-185D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

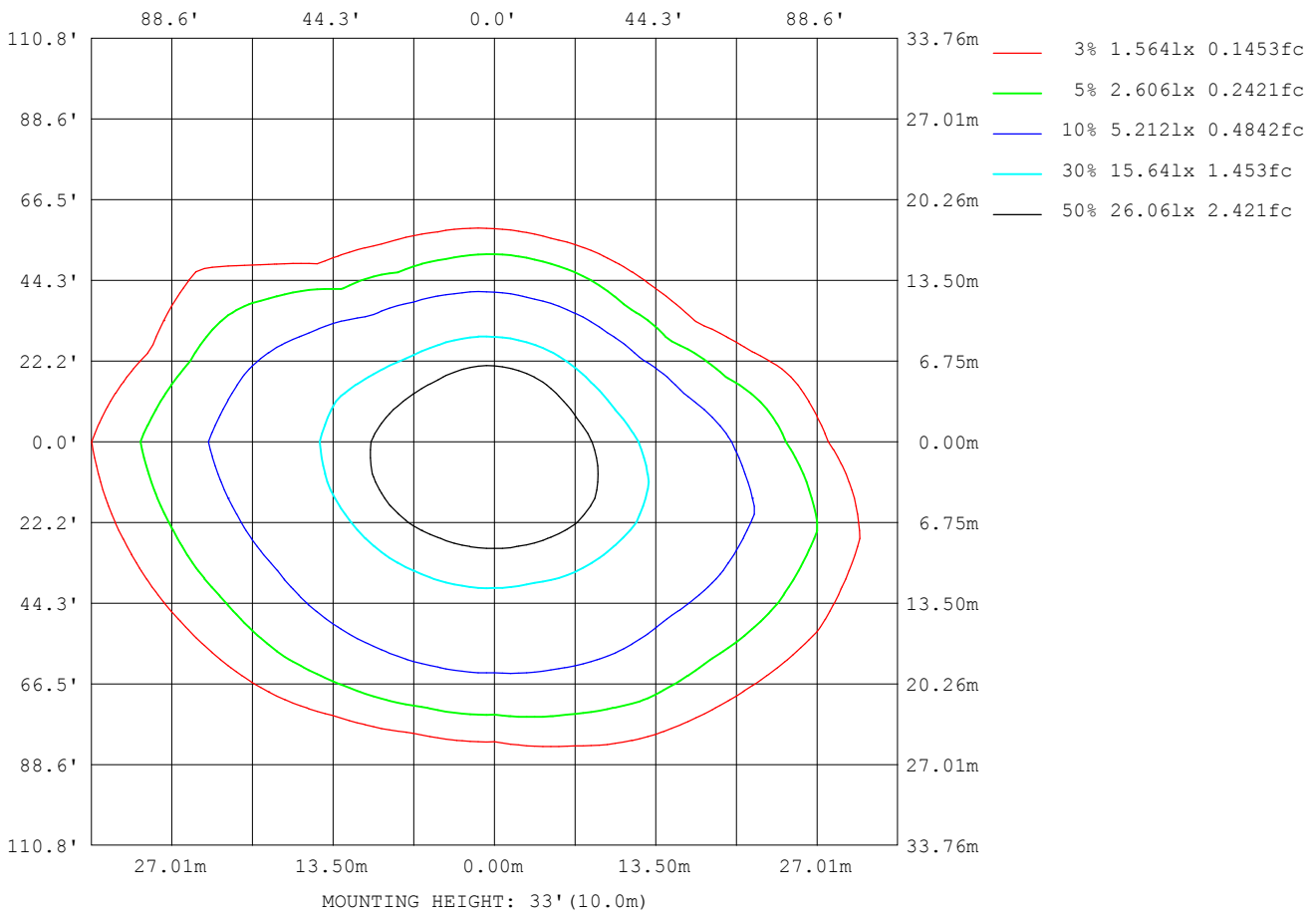


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 2018-09-28

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

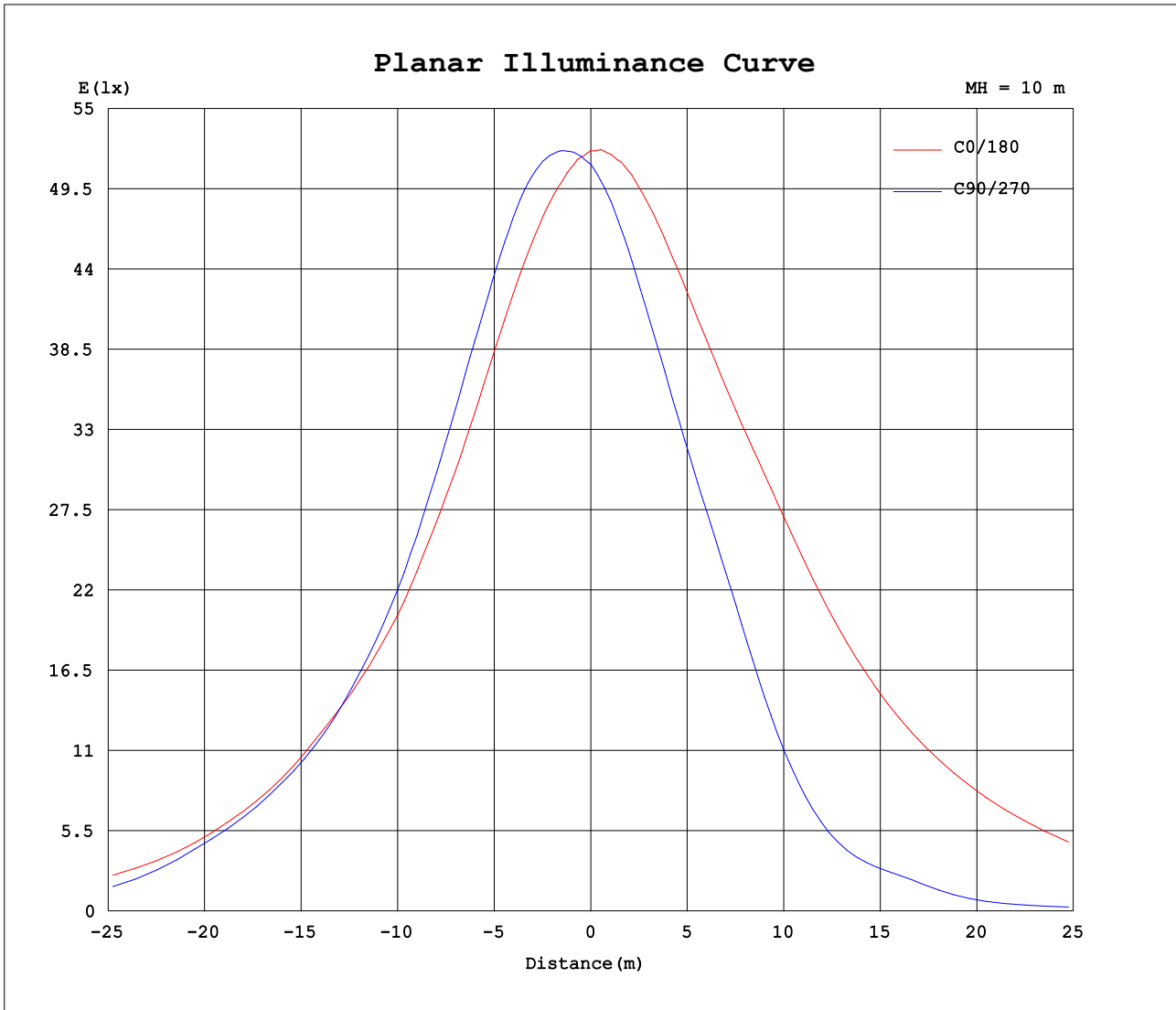
Test:U:119.57V I:1.5273A P:182.17W PF:0.9976 Freq:49.99Hz Lamp Flux:23653x1 lm		
NAME: ASD-LSB1-185D50-MS-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



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:

Planar Illuminance Curve

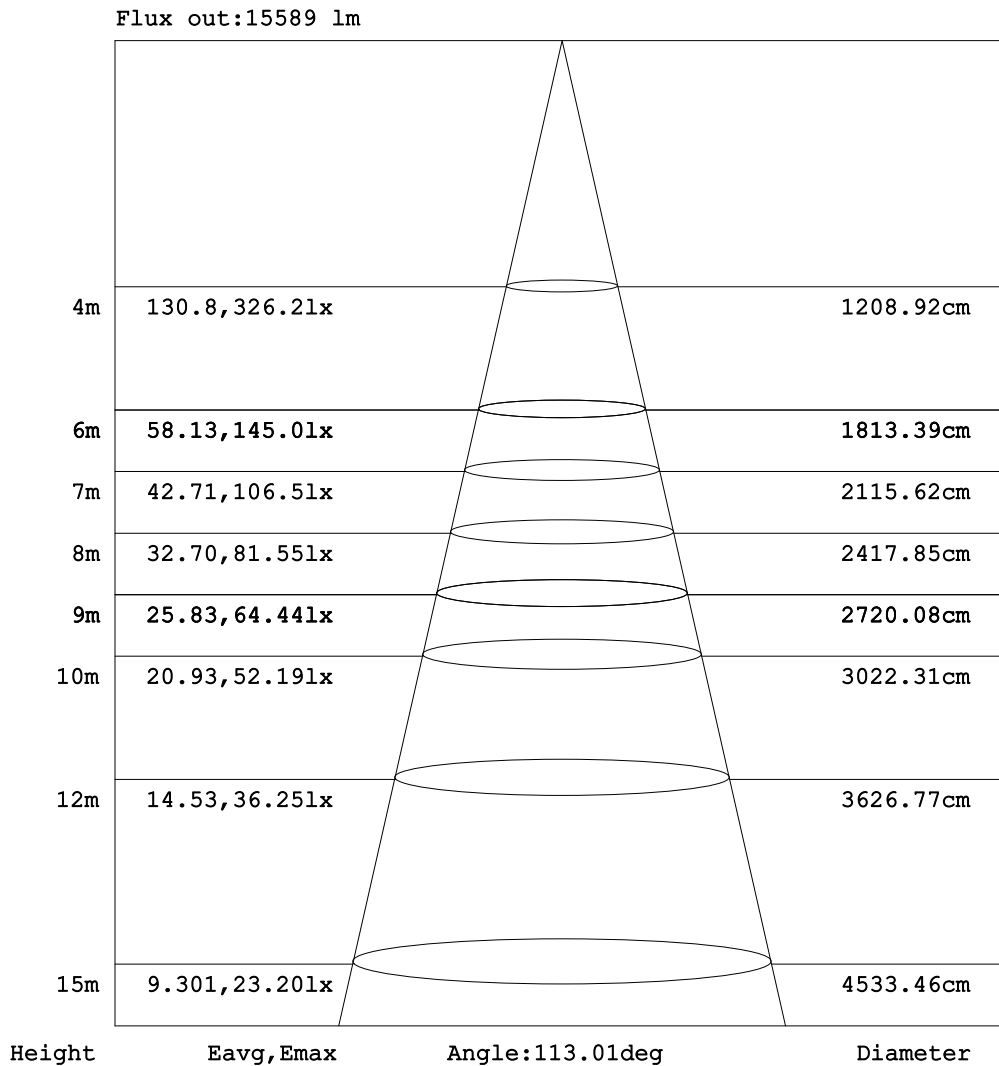


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 2018-09-28

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=1.0275]
 Remarks:

AAI Figure

Test:U:119.57V I:1.5273A P:182.17W PF:0.9976 Freq:49.99Hz Lamp Flux:23653x1 lm		
NAME: ASD-LSB1-185D50-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:119.57V I:1.5273A P:182.17W PF:0.9976 Freq:49.99Hz Lamp Flux:23653x1 lm		
NAME: ASD-LSB1-185D50-MS-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	38.4	43.6	48.8	54.0	46.8	39.7	32.5	30.8	29.1	27.5	26.6	25.8	25.0	22.7	20.4	18.2	18.3	18.4	18.5
-85	38.4	55.7	82.8	117	116	112	109	109	106	100	102	102	98.3	98.5	98.5	98.1	97.7	96.5	94.6
-80	38.4	67.6	112	152	156	172	182	193	215	236	232	220	199	200	205	210	211	208	203
-75	38.4	78.5	129	168	236	314	331	520	688	745	950	972	814	860	709	363	333	342	345
-70	38.4	88.6	143	253	521	875	1364	1685	2173	2712	2763	2863	2878	2693	2551	2412	2399	2405	2388
-65	38.4	97.5	167	459	1189	1819	2313	2929	3493	3784	3993	4089	4109	4257	4396	4452	4578	4669	4666
-60	38.4	104	211	898	1885	2701	3514	4271	4784	5142	5404	5605	5684	5720	5758	5766	5762	5758	5727
-55	38.4	111	281	1454	2593	3769	4761	5406	5734	6109	6243	6267	6305	6243	6222	6165	6111	6068	6014
-50	38.4	118	408	2042	3422	4809	5752	6126	6449	6597	6677	6722	6664	6547	6451	6373	6287	6240	6191
-45	38.4	126	570	2723	4293	5692	6457	6793	6837	7007	7078	7040	6896	6717	6557	6439	6326	6283	6233
-40	38.4	132	834	3344	5035	6410	7042	7248	7273	7354	7368	7227	7066	6843	6599	6496	6384	6336	6303
-35	38.4	140	1116	3776	5713	6980	7511	7618	7652	7645	7557	7397	7179	6911	6661	6480	6362	6302	6267
-30	38.4	149	1467	4104	6331	7491	7873	7966	7939	7853	7702	7482	7193	6893	6625	6423	6297	6214	6175
-25	38.4	156	1802	4461	6858	7925	8187	8242	8145	7972	7764	7511	7150	6800	6516	6318	6172	6082	6047
-20	38.4	162	2175	4768	7305	8275	8430	8416	8284	8039	7742	7405	7052	6629	6351	6139	5995	5916	5881
-15	38.4	165	2501	5079	7688	8565	8614	8492	8295	8055	7673	7225	6772	6427	6127	5919	5780	5701	5665
-10	38.4	166	2768	5326	8013	8809	8764	8539	8247	7906	7482	7007	6521	6159	5888	5699	5566	5484	5447
-5	38.4	166	2961	5504	8289	9036	8899	8580	8197	7760	7246	6735	6301	5956	5688	5494	5372	5294	5259
0	38.4	165	3068	5611	8513	9250	9036	8631	8165	7646	7056	6537	6139	5846	5625	5461	5344	5256	5212
5	38.4	166	3010	5354	8114	8920	8797	8418	7920	7344	6769	6287	5927	5663	5461	5303	5172	5060	4970
10	38.4	166	2861	5035	7656	8567	8561	8228	7716	7092	6525	6073	5733	5498	5324	5179	5040	4918	4822
15	38.4	165	2632	4667	7140	8176	8312	8055	7557	6902	6294	5858	5534	5317	5170	5047	4923	4790	4679
20	38.4	162	2333	4263	6556	7705	8017	7878	7359	6645	6054	5635	5327	5118	4976	4887	4787	4665	4564
25	38.4	158	1974	3961	5909	7128	7643	7494	6918	6317	5788	5391	5119	4897	4786	4714	4642	4554	4464
30	38.4	153	1620	3707	5209	6419	7065	6868	6392	5883	5442	5110	4849	4678	4607	4542	4500	4440	4370
35	38.4	146	1219	3634	4411	5581	6348	6177	5740	5303	4964	4680	4451	4403	4354	4335	4312	4279	4222
40	38.4	140	892	3558	3544	4910	5669	5472	4981	4624	4300	4022	3929	3916	3886	3915	3898	3889	3830
45	38.4	134	582	3242	2923	4235	5100	4864	4268	3890	3509	3169	3213	3191	3192	3225	3204	3201	3132
50	38.4	128	398	2609	2795	3301	4568	4537	3782	3239	2738	2489	2461	2385	2406	2410	2387	2382	2315
55	38.4	121	262	1792	2819	2302	3609	4400	3399	2687	2125	2007	1943	1805	1835	1820	1801	1799	1772
60	38.4	114	205	980	2404	1892	2067	3193	2866	1933	1426	1474	1439	1425	1436	1447	1460	1464	1437
65	38.4	106	183	434	1411	1627	1025	1306	1693	1214	682	784	781	753	779	756	747	732	699
70	38.4	96.1	167	239	545	933	650	485	622	619	541	569	593	595	591	589	551	504	452
75	38.4	84.9	150	204	245	361	388	354	360	381	415	441	459	446	424	400	368	330	286
80	38.4	72.7	128	184	191	211	246	242	229	218	250	276	294	281	262	238	222	205	186
85	38.4	59.2	93.2	136	132	124	121	122	113	96.7	101	107	115	116	113	108	102	94.7	86.5
90	38.4	45.4	52.5	59.6	51.6	43.6	35.6	34.0	32.3	30.7	29.3	27.8	26.4	24.4	22.5	20.5	18.8	17.1	15.4

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:119.57V I:1.5273A P:182.17W PF:0.9976 Freq:49.99Hz Lamp Flux:23653x1 lm		
NAME: ASD-LSB1-185D50-MS-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	17.0	15.5	14.0	13.3	12.6	11.9	11.4	11.0	10.5	11.6	12.7	13.8	16.0	18.1	20.2	21.9	23.5	25.1	
-85	94.1	93.1	92.3	107	118	124	118	113	107	106	107	101	66.7	41.6	26.5	24.6	24.9	25.1	
-80	205	204	203	217	227	244	247	220	198	200	181	163	115	76.6	42.4	43.4	26.3	25.1	
-75	811	1206	1468	1649	1795	1804	1559	1380	1228	964	679	379	176	103	63.3	73.9	38.2	25.1	
-70	2662	2880	3034	3192	3261	3244	3255	3083	2769	2440	2039	1407	517	157	89.3	110	54.9	25.1	
-65	4832	4924	4975	5012	5069	5040	4852	4648	4427	4130	3528	2583	1417	371	125	144	74.4	25.1	
-60	5798	5849	5916	6022	6125	6089	5904	5664	5671	5471	5079	3822	2514	961	192	174	101	25.1	
-55	6047	6074	6171	6337	6479	6503	6469	6437	6454	6385	6108	5119	3336	1843	427	192	128	25.1	
-50	6178	6168	6314	6510	6648	6760	6840	6862	7034	7080	6855	6178	4298	2658	931	213	154	25.1	
-45	6259	6276	6415	6581	6768	6928	7044	7193	7340	7539	7378	6937	5586	3079	1557	238	179	25.1	
-40	6323	6346	6466	6603	6823	7000	7146	7339	7541	7673	7716	7455	6509	3484	2151	306	204	25.1	
-35	6303	6356	6459	6600	6800	7044	7154	7339	7632	7660	7817	7768	7122	4248	2565	451	225	25.1	
-30	6207	6271	6382	6516	6720	6898	7056	7295	7428	7586	7766	7962	7165	4825	2744	739	241	25.1	
-25	6055	6104	6198	6336	6515	6681	6919	7018	7197	7468	7668	7837	7004	5094	2818	1016	256	25.1	
-20	5868	5892	5956	6083	6222	6429	6601	6714	6949	7275	7415	7442	6738	5097	2850	1288	271	25.1	
-15	5653	5672	5726	5801	5935	6099	6268	6417	6666	6936	7080	7056	6440	4979	2875	1520	283	25.1	
-10	5442	5476	5518	5579	5677	5818	5980	6139	6315	6589	6786	6704	6113	4771	2868	1709	295	25.1	
-5	5277	5302	5346	5397	5482	5591	5723	5879	6014	6280	6501	6370	5760	4500	2837	1849	305	25.1	
0	5175	5177	5210	5269	5337	5408	5494	5633	5743	5997	6217	6037	5374	4176	2788	1935	313	25.1	
5	4913	4908	4946	5023	5090	5138	5211	5333	5418	5597	5715	5508	4980	3959	2582	1813	306	25.1	
10	4775	4770	4818	4869	4887	4886	4928	5031	5093	5183	5193	4961	4566	3694	2366	1643	298	25.1	
15	4633	4634	4670	4714	4700	4690	4721	4737	4746	4724	4631	4396	4151	3374	2143	1437	287	25.1	
20	4506	4508	4538	4546	4533	4486	4495	4459	4390	4219	4000	3822	3763	2981	1913	1206	275	25.1	
25	4416	4408	4411	4405	4370	4316	4218	4102	3914	3714	3384	3266	3412	2497	1720	958	262	25.1	
30	4334	4309	4290	4249	4158	4035	3864	3577	3334	3134	2899	2871	3081	1950	1536	703	247	25.1	
35	4179	4115	4054	3946	3792	3561	3328	3013	2660	2526	2492	2563	2640	1343	1354	448	231	25.1	
40	3768	3648	3555	3393	3203	2944	2667	2412	2137	2024	2146	2208	1923	848	1140	326	209	25.1	
45	3066	2931	2823	2664	2475	2259	2005	1891	1803	1678	1660	1739	1194	513	874	272	184	25.1	
50	2255	2145	2056	1958	1853	1769	1672	1620	1468	1252	1010	1160	633	380	591	247	157	25.1	
55	1751	1721	1699	1676	1631	1518	1342	1083	937	722	589	683	433	341	358	225	130	25.1	
60	1394	1307	1205	1107	967	851	740	665	626	565	515	457	366	294	239	201	103	25.1	
65	684	658	632	626	621	612	589	566	530	482	432	366	301	241	186	164	75.6	25.1	
70	434	409	391	422	442	445	438	431	412	375	326	277	230	180	136	120	56.0	25.1	
75	280	271	262	276	284	289	298	300	289	259	225	180	149	118	86.7	77.8	39.6	25.1	
80	181	175	167	171	172	172	179	180	171	140	117	100	84.8	65.2	48.5	45.7	27.8	25.1	
85	84.2	81.2	77.6	80.3	82.1	83.0	78.2	73.0	67.2	59.3	50.2	42.0	36.8	33.2	30.7	27.7	26.4	25.1	
90	14.9	14.5	14.1	15.0	15.9	16.7	17.7	18.6	19.6	20.2	20.8	21.4	22.6	23.8	25.0	25.1	25.1	25.1	

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: