

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		337.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-64.0 degrees horizontal

Beam Spread	At 10% of Imax	139.9V x 161.8H
	At 50% of Imax	111.7V x 152.2H
	At 90% of Imax	44.1V x 146.6H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	952.3 lumens per klm.
	To 50% of Imax	809.1 lumens per klm.
	To 90% of Imax	116.2 lumens per klm.

Upward LOR	2.6 %
Downward LOR	97.4 %

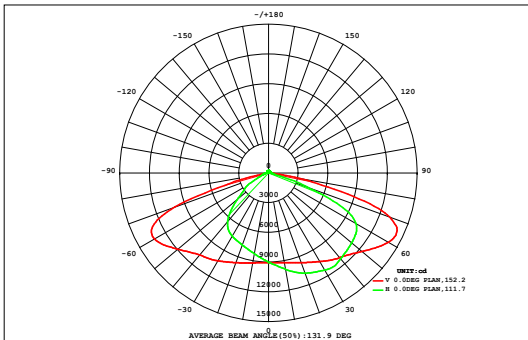
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7475]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.65V I:1.0967A P:304.50W PF:0.9820 Freq:50.00Hz Lamp Flux:42369.5x1 lm		
NAME: ASD-LSB2-300D30B-PRM	TYPE:LED	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:139.14lm/W	
MODEASD-LSB2-300D30B-PRM		Imax (cd)	14292
NOMINAL POWER (W)	300	AVAILABILITY (%)	95.3
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	40395
NOMINAL FLUX (lm)	42369.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	42370
TEST VOLTAGE (V)	277	θ @50% (H,V)	152,112DEG

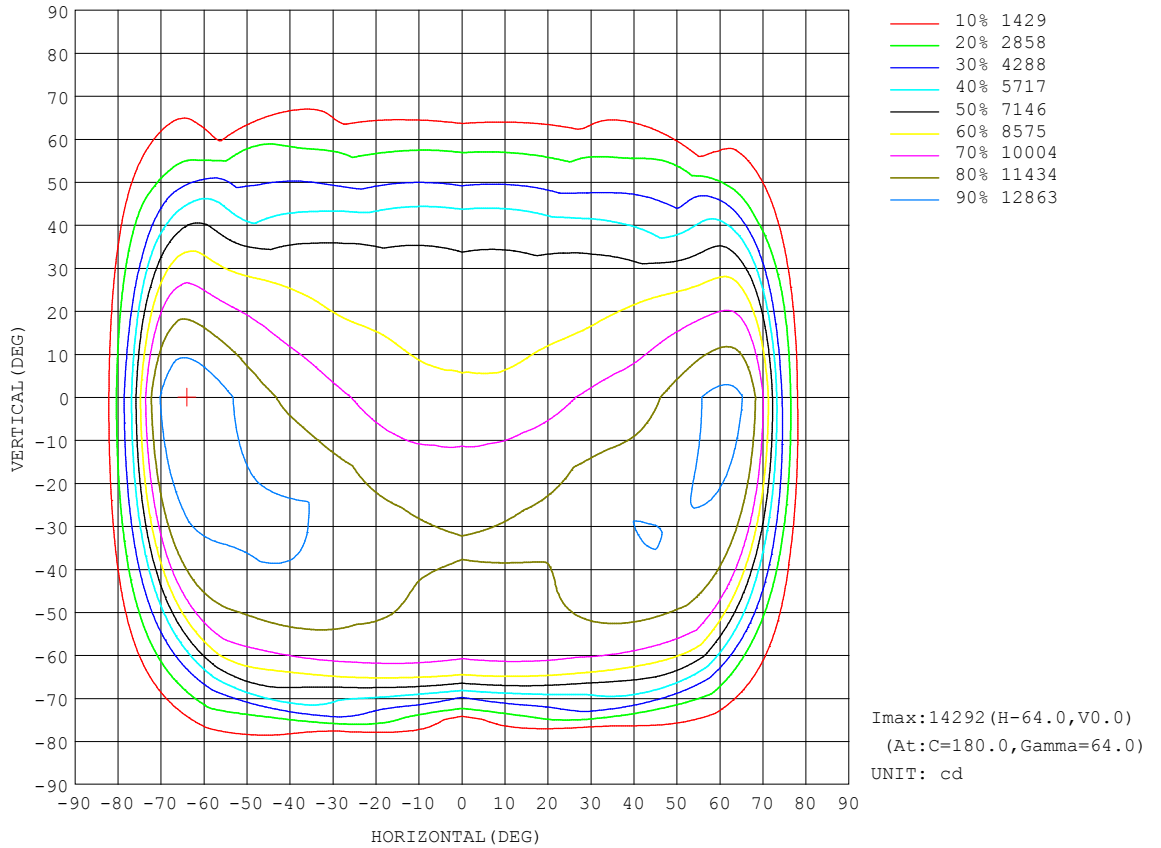
VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.70	2.03	3.30	4.67	6.21	7.59	8.72	9.46	9.63	9.41	8.84	7.84	6.62	5.29	3.95	2.64	1.47	0.48			
90	0.70	2.03	3.30	4.67	6.21	7.59	8.72	9.46	9.63	9.41	8.84	7.84	6.62	5.29	3.95	2.64	1.47	0.48	98.9	0.00	
80	0.78	2.88	6.78	11.0	15.6	19.5	21.7	21.5	19.6	18.9	19.6	18.8	16.3	12.9	8.64	4.49	1.87	0.49	221	0.00	
70	0.89	5.41	17.0	19.5	34.1	41.6	39.1	42.8	42.5	41.6	40.2	35.3	34.0	24.8	15.5	8.90	2.70	0.54	446	213	
60	1.05	11.9	35.9	52.8	73.9	83.5	84.9	94.3	97.3	96.0	90.7	79.5	74.1	60.9	35.4	19.9	4.29	0.60	997	976	
50	1.29	21.0	69.0	95.1	110	132	144	159	165	164	154	136	120	95.7	79.1	43.7	8.14	0.68	1698	1691	
40	1.74	32.7	102	132	152	180	198	209	215	213	205	190	168	137	118	77.1	14.2	0.76	2345	2340	
30	2.30	45.3	128	165	190	209	224	230	232	231	227	217	199	178	153	107	22.0	0.84	2761	2757	
20	2.83	56.7	151	192	217	233	242	247	246	244	243	235	224	207	182	132	30.3	0.91	3086	3083	
10	3.22	65.6	171	217	239	256	263	265	264	262	263	260	249	231	208	153	36.8	0.95	3407	3404	
0	3.30	67.9	178	229	256	277	284	285	285	287	287	283	271	249	222	161	39.0	0.99	3667	3663	
-10	3.04	63.6	172	231	269	298	310	310	313	314	311	308	292	262	224	155	36.3	1.01	3873	3870	
-20	2.58	55.6	164	230	280	317	330	335	336	336	334	325	309	273	224	145	30.6	0.97	4027	4024	
-30	2.02	44.4	150	223	280	316	333	344	349	348	339	325	309	275	217	128	23.3	0.88	4007	4002	
-40	1.52	31.4	127	207	264	306	327	338	341	339	332	319	300	261	200	99.3	15.4	0.77	3811	3806	
-50	1.19	19.3	88.8	177	234	279	308	325	329	327	321	302	274	228	162	62.5	8.76	0.67	3449	3441	
-60	0.99	9.20	46.9	113	170	206	232	247	245	243	241	221	193	152	90.4	29.0	4.36	0.60	2444	2430	
-70	0.86	3.96	16.4	40.1	62.8	84.0	91.7	83.7	62.8	59.4	74.1	77.1	65.9	44.9	25.4	8.70	2.45	0.52	805	696	
-80	0.75	2.51	4.89	7.49	9.29	9.05	8.13	8.44	7.93	7.57	7.48	6.80	6.60	6.23	5.17	3.38	1.61	0.48	104	0.00	
-90	0.75	2.51	4.89	7.49	9.29	9.05	8.13	8.44	7.93	7.57	7.48	6.80	6.60	6.23	5.17	3.38	1.61	0.48	104	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	31.0	541	1632	2348	2862	3255	3449	3556	3561	3542	3497	3348	3112	2703	2173	1340	284	13.1	41248	---	
Φ a	10.8	513	1601	2305	2816	3203	3386	3491	3493	3476	3434	3286	3057	2652	2127	1304	241	0.00	---	40395	

one-half-peak spread: U:33.2,D:78.7 , L:14.2,R:13.1 NEMA Beam Type: Type 7

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:8.000m [K=0.7475]
Test Date:2020-4-28	Remarks:

ISOCANDELA DIAGRAM

Test:U:277.65V I:1.0967A P:304.50W PF:0.9820 Freq:50.00Hz Lamp Flux:42369.5x1 lm		
NAME: ASD-LSB2-300D30B-PRM	TYPE:LED	
MFR.: ASD LIGHTING CORP		

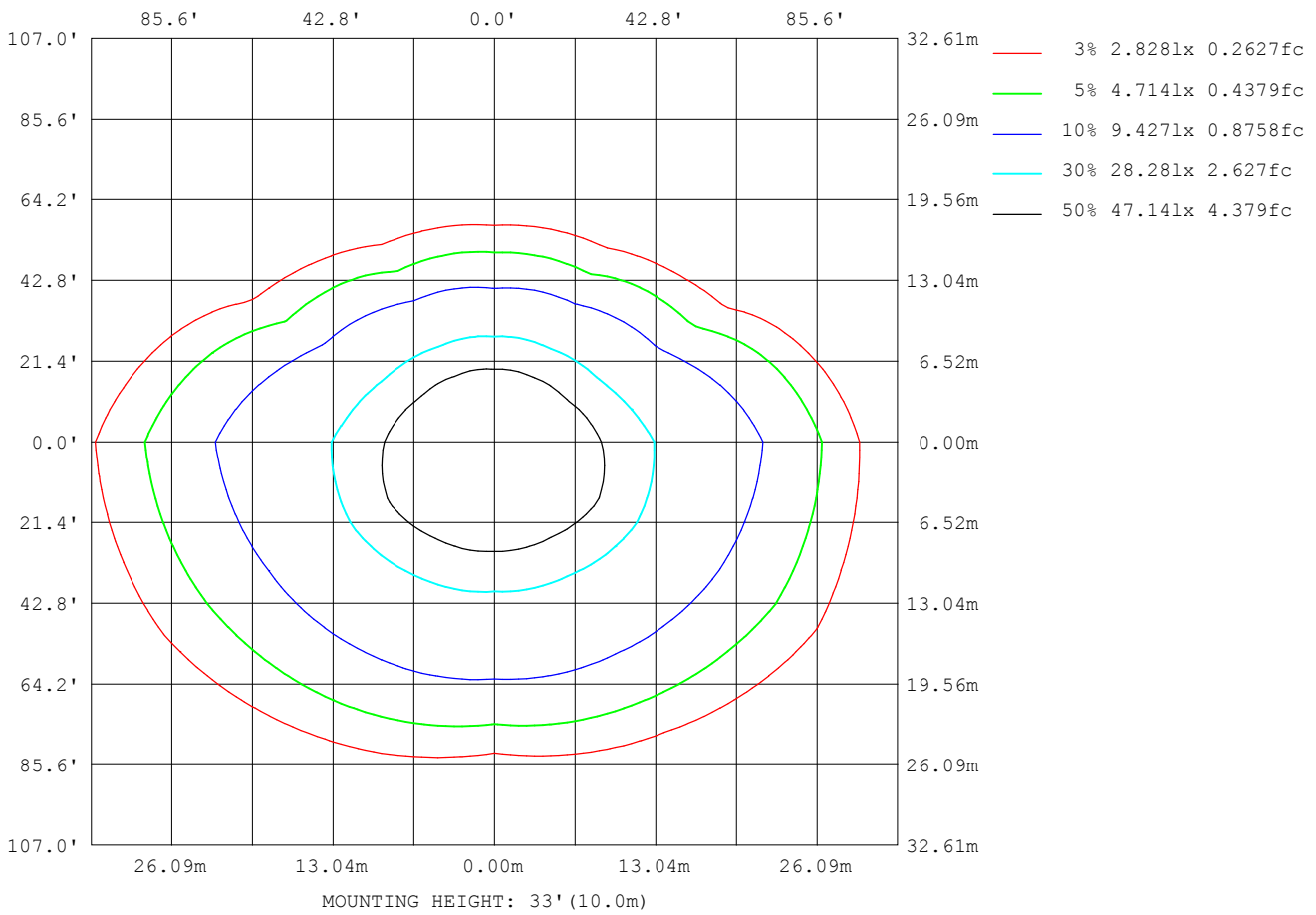


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 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7475]
 Remarks:

ISOLUX DIAGRAM

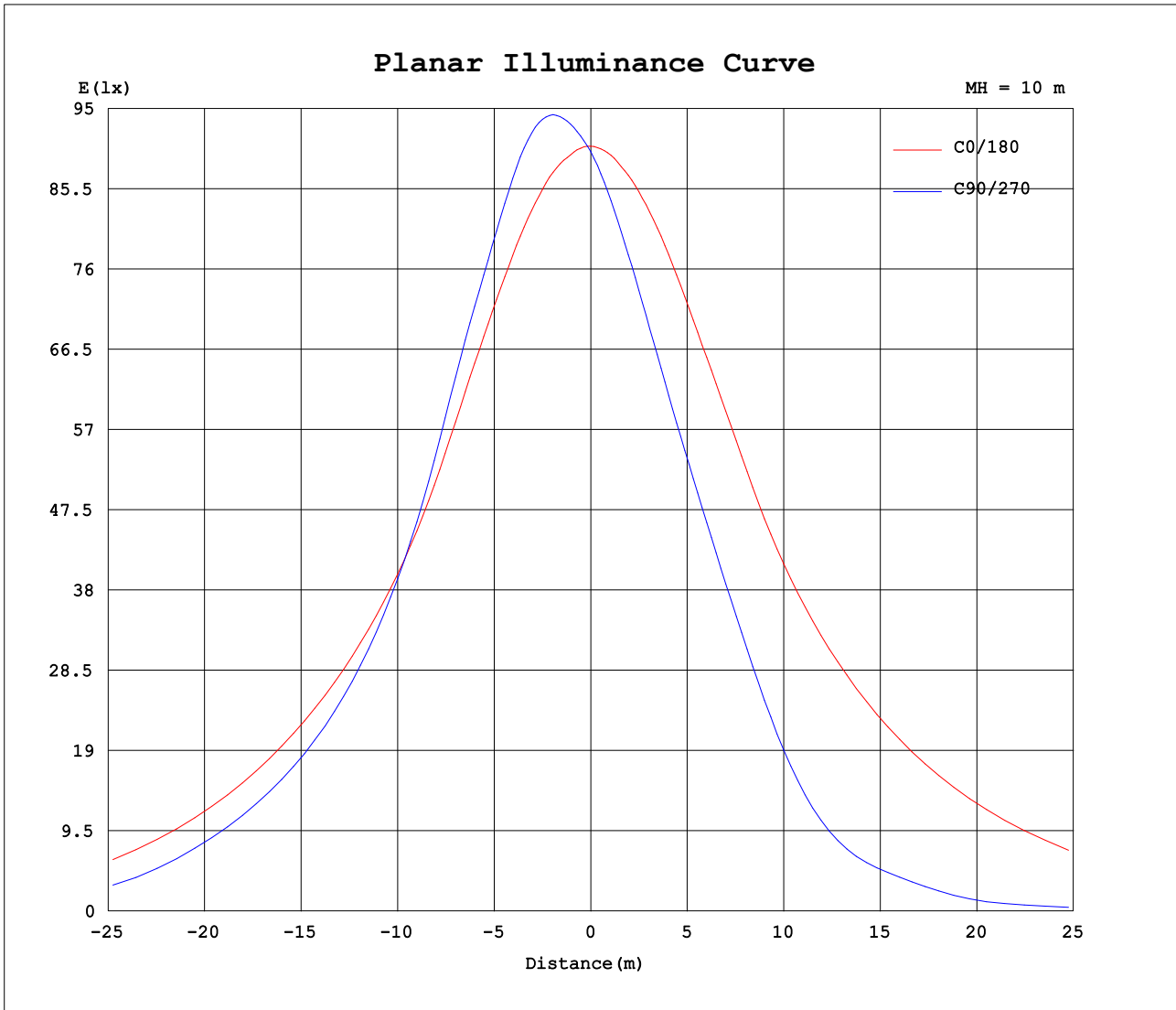
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 Remarks:

Planar Illuminance Curve

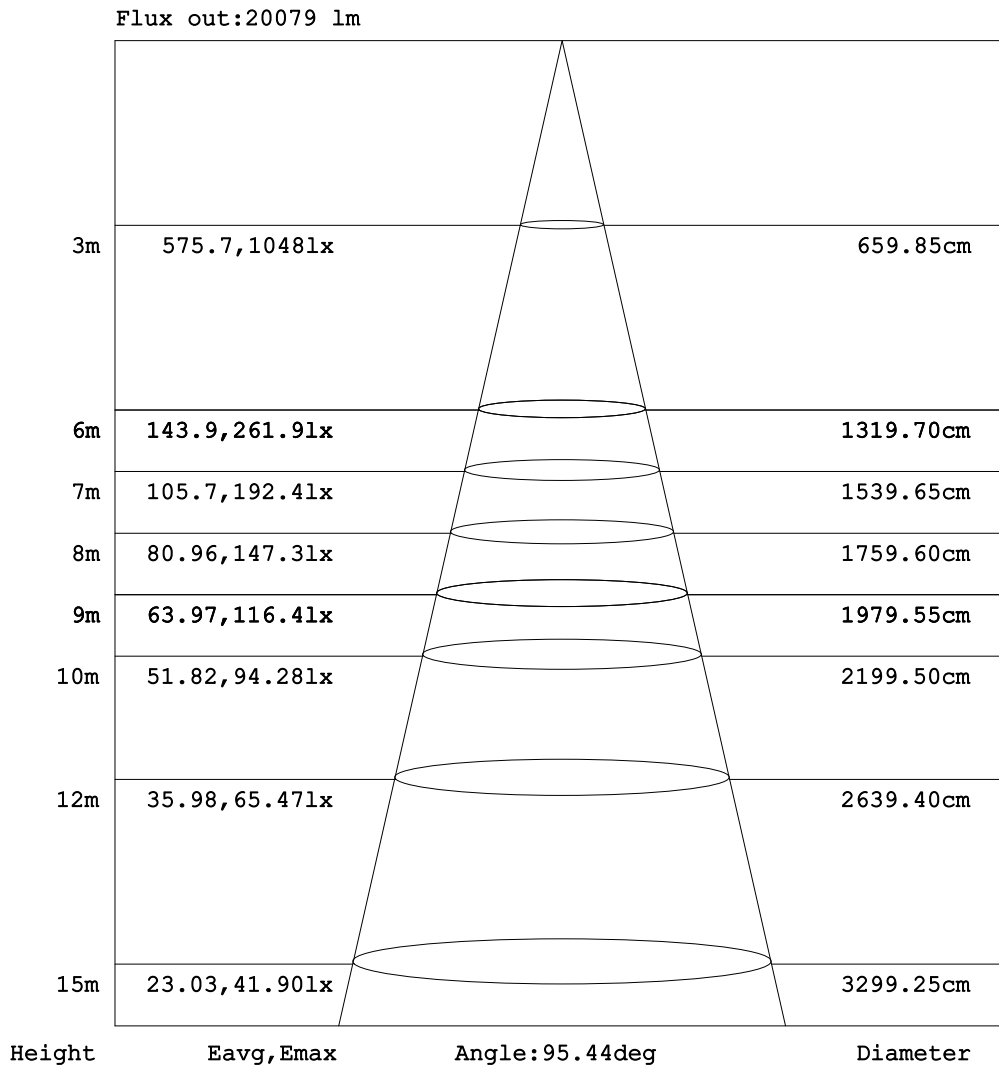


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 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7475]
 Remarks:

AAI Figure

Test:U:277.65V I:1.0967A P:304.50W PF:0.9820 Freq:50.00Hz Lamp Flux:42369.5x1 lm		
NAME: ASD-LSB2-300D30B-PRM	TYPE:LED	
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: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7475]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.65V I:1.0967A P:304.50W PF:0.9820 Freq:50.00Hz Lamp Flux:42369.5x1 lm		
NAME: ASD-LSB2-300D30B-PRM	TYPE:LED	
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
-180	26.7	22.7	17.8	18.2	18.4	19.2	20.0	20.7	21.4	22.3	23.3	24.3	25.3	26.0	26.5	26.9	27.2	27.3	25.6
-170	26.7	22.5	17.3	17.6	17.6	18.1	18.8	19.2	19.5	19.9	20.4	20.9	21.2	21.3	21.2	21.3	22.2	23.1	24.3
-160	26.7	22.4	16.9	16.9	16.8	17.0	17.4	17.5	17.5	17.5	17.5	17.4	17.3	18.1	18.8	19.4	20.1	21.0	21.8
-150	26.7	22.6	16.5	16.2	16.0	15.9	16.0	15.9	15.7	15.3	15.0	15.5	16.0	16.5	16.9	17.3	18.1	18.7	19.1
-140	26.7	22.7	16.2	15.5	15.2	14.7	14.5	14.4	14.0	13.9	14.0	14.3	14.6	14.9	15.2	15.7	16.1	16.5	16.8
-130	26.7	22.6	17.0	14.8	14.2	13.7	13.2	12.8	12.7	12.8	12.8	12.9	13.0	13.1	13.4	13.9	14.2	14.4	14.6
-120	26.7	22.3	19.0	14.5	13.4	12.6	11.9	11.4	11.3	11.3	11.2	11.2	11.1	11.1	11.4	11.6	11.8	12.0	12.1
-110	26.7	22.5	20.2	16.6	13.1	11.6	10.6	10.2	10.0	9.81	9.56	9.29	9.01	9.05	9.21	9.35	9.46	9.53	9.57
-100	26.7	23.6	21.0	18.5	15.9	13.0	10.1	9.29	8.82	8.46	8.11	7.76	7.41	7.41	7.44	7.45	7.45	7.44	7.42
-90	26.7	26.1	25.5	24.9	24.3	23.7	23.1	21.2	19.3	17.4	15.4	13.5	11.6	11.3	10.9	10.6	10.2	9.87	9.52
-80	26.7	29.1	32.8	37.5	43.4	52.5	68.3	85.4	99.7	106	102	88.4	65.6	64.6	66.6	64.4	58.9	51.2	42.1
-70	26.7	31.8	40.4	60.0	121	226	325	396	486	581	626	623	596	575	562	541	509	466	415
-60	26.7	34.5	54.3	146	318	492	725	885	942	974	1003	1025	1037	1043	1048	1048	1042	1032	1018
-50	26.7	37.5	84.5	292	534	863	1058	1127	1152	1175	1189	1191	1183	1166	1154	1141	1127	1112	1096
-40	26.7	41.1	143	430	823	1116	1216	1244	1260	1276	1274	1258	1231	1199	1170	1160	1151	1142	1132
-30	26.7	44.7	207	552	1038	1247	1302	1307	1307	1314	1316	1280	1241	1211	1188	1170	1154	1140	1131
-20	26.7	47.3	265	695	1174	1333	1349	1326	1300	1278	1261	1246	1223	1168	1125	1098	1084	1074	1076
-10	26.7	48.6	308	793	1253	1385	1375	1321	1264	1218	1184	1154	1114	1070	1035	1009	992	987	986
0	26.7	48.6	322	831	1298	1427	1397	1317	1230	1163	1116	1077	1032	995	963	936	918	908	905
10	26.7	47.7	293	736	1162	1273	1240	1176	1112	1058	1017	981	944	914	891	869	850	836	827
20	26.7	45.7	238	593	993	1113	1081	1030	988	952	918	888	856	842	830	813	796	788	775
30	26.7	42.6	174	431	776	927	911	856	822	806	793	792	787	777	764	752	751	745	735
40	26.7	39.0	112	317	528	692	721	655	594	604	628	639	640	641	636	652	657	655	645
50	26.7	35.3	63.5	199	300	398	451	439	416	425	433	428	413	392	405	421	426	421	406
60	26.7	32.1	44.9	87.7	171	193	178	149	223	264	259	241	224	219	232	238	241	240	235
70	26.7	29.5	34.6	43.5	59.5	85.8	86.5	82.8	88.3	93.0	99.7	106	106	101	97.1	92.3	87.0	81.0	74.3
80	26.7	27.4	28.2	29.5	31.3	33.6	36.2	40.5	44.8	48.9	51.6	53.5	54.7	55.3	55.1	54.1	52.6	50.5	48.2
90	26.7	25.3	24.0	22.7	21.3	20.0	18.7	18.0	17.3	16.6	15.9	15.2	14.5	14.2	13.9	13.7	13.4	13.1	12.8
100	26.7	23.5	21.6	20.4	19.2	17.8	16.4	16.0	15.7	15.5	15.4	15.2	15.1	15.3	15.5	15.7	15.8	15.9	16.0
110	26.7	22.8	21.8	19.6	17.3	16.9	17.1	17.2	17.3	17.4	17.4	17.5	17.6	17.8	18.1	18.3	18.5	18.7	18.8
120	26.7	22.9	20.9	17.4	17.3	17.6	18.0	18.4	18.6	18.8	19.0	19.2	19.2	19.4	19.7	20.0	20.3	20.5	20.8
130	26.7	23.2	18.7	17.5	17.8	18.2	18.7	19.3	19.7	20.0	20.1	20.2	20.4	20.4	20.8	21.1	21.5	21.8	22.1
140	26.7	23.3	17.7	17.7	18.2	18.6	19.2	19.9	20.4	20.7	20.8	21.0	21.2	21.5	21.8	22.3	22.7	23.1	23.4
150	26.7	23.1	17.6	17.9	18.4	18.9	19.7	20.3	20.7	21.0	21.4	21.8	22.4	22.9	23.3	23.6	24.2	24.6	24.9
160	26.7	22.8	17.7	18.1	18.4	19.1	19.9	20.5	21.0	21.5	22.2	22.9	23.7	24.3	24.9	25.2	25.5	25.8	26.1
170	26.7	22.6	17.7	18.2	18.4	19.2	20.1	20.7	21.2	22.0	22.9	23.8	24.7	25.5	26.0	26.3	26.3	26.2	26.3
180	26.7	22.7	17.8	18.2	18.4	19.2	20.0	20.7	21.4	22.3	23.3	24.3	25.3	26.0	26.5	26.9	27.2	27.3	25.5

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NAME: ASD-LSB2-300D30B-PRM	TYPE:LED	
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	
-180	26.9	26.6	26.0	25.2	24.4	23.7	23.0	22.2	21.2	20.3	19.6	19.0	18.3	17.5	16.8	15.9	14.7	18.5	
-170	24.0	24.1	24.0	23.5	22.9	22.4	21.9	21.2	20.4	19.7	19.0	18.4	17.8	17.0	16.4	15.6	14.6	18.5	
-160	21.7	21.4	21.4	21.3	21.1	20.8	20.5	20.0	19.4	18.8	18.2	17.7	17.1	16.4	15.9	15.3	14.5	18.5	
-150	19.2	19.1	18.9	18.9	19.0	18.9	18.8	18.6	18.2	17.7	17.2	16.7	16.2	15.8	15.4	14.9	14.3	18.5	
-140	16.9	16.9	16.8	16.7	16.8	16.9	16.9	16.8	16.6	16.4	16.0	15.6	15.3	15.0	14.8	14.4	14.4	18.5	
-130	14.7	14.7	14.7	14.5	14.4	14.6	14.7	14.8	14.8	14.7	14.5	14.3	14.3	14.2	14.1	13.9	14.8	18.5	
-120	12.2	12.2	12.2	12.2	12.0	12.2	12.4	12.6	12.7	12.8	12.9	13.1	13.2	13.3	13.4	13.5	15.7	18.5	
-110	9.67	9.73	9.75	9.73	9.67	9.74	10.1	10.5	10.9	11.2	11.5	11.7	12.1	12.4	12.7	13.8	16.7	18.5	
-100	7.51	7.60	7.66	7.71	7.74	7.80	8.28	8.74	9.18	9.59	10.00	10.4	11.2	12.3	13.9	15.8	17.6	18.5	
-90	9.63	9.74	9.85	9.96	10.1	10.2	11.0	11.9	12.8	13.6	14.5	15.4	15.9	16.4	16.9	17.4	18.0	18.5	
-80	46.2	49.7	52.1	53.1	52.4	50.9	58.7	61.1	57.1	52.8	47.4	43.5	37.5	31.0	24.5	19.9	18.2	18.5	
-70	456	489	511	523	530	547	556	529	458	362	289	216	116	55.7	34.4	25.5	18.8	18.5	
-60	1028	1033	1035	1030	1019	1009	994	965	923	867	764	547	314	158	61.5	30.4	20.2	18.5	
-50	1106	1115	1123	1131	1140	1160	1172	1172	1160	1134	1079	920	607	312	117	38.8	21.9	18.5	
-40	1136	1138	1139	1141	1169	1201	1230	1251	1259	1245	1211	1133	916	507	179	51.7	23.4	18.5	
-30	1138	1149	1161	1172	1186	1211	1248	1285	1287	1283	1274	1238	1101	701	280	63.8	24.6	18.5	
-20	1075	1085	1098	1121	1158	1202	1215	1228	1246	1268	1291	1291	1205	877	369	72.3	25.2	18.5	
-10	990	1000	1017	1039	1068	1103	1129	1150	1185	1231	1284	1314	1262	975	396	74.3	25.3	18.5	
0	909	921	939	963	991	1023	1054	1081	1129	1197	1275	1330	1293	1009	390	68.0	25.0	18.5	
10	831	840	853	874	898	923	951	979	1019	1069	1124	1167	1141	879	351	64.7	24.9	18.5	
20	784	788	800	812	818	824	849	875	903	931	966	1000	969	690	292	56.0	24.3	18.5	
30	741	743	739	745	751	753	748	736	739	750	781	818	753	456	192	46.2	23.3	18.5	
40	650	647	636	612	611	601	589	564	528	517	578	600	473	268	99.6	38.7	21.9	18.5	
50	415	414	403	382	364	377	386	383	366	351	333	290	217	141	59.0	31.6	20.3	18.5	
60	238	236	230	218	197	194	206	214	191	135	102	122	100	62.1	38.4	25.9	18.9	18.5	
70	79.6	84.0	87.4	89.9	91.6	91.5	88.6	85.5	81.3	76.4	69.6	60.2	46.8	34.9	26.9	21.3	18.1	18.5	
80	48.7	48.9	48.7	48.2	47.2	45.6	44.1	41.3	37.8	34.5	31.2	28.2	25.2	22.3	19.9	18.4	18.1	18.5	
90	13.3	13.8	14.3	14.7	15.2	15.7	16.0	16.4	16.8	17.1	17.5	17.8	17.9	18.0	18.2	18.3	18.4	18.5	
100	16.3	16.5	16.6	16.8	17.0	17.1	17.1	17.1	17.1	17.1	17.2	17.2	16.7	16.5	16.7	17.4	18.2	18.5	
110	19.0	19.1	19.2	19.2	19.3	19.2	19.1	18.9	18.8	18.6	18.5	18.1	17.4	16.7	15.9	15.8	17.4	18.5	
120	20.9	21.0	21.1	21.1	21.1	20.9	20.6	20.3	20.0	19.7	19.4	18.8	18.1	17.3	16.4	15.4	16.5	18.5	
130	22.2	22.3	22.4	22.5	22.4	22.1	21.7	21.3	21.0	20.6	20.1	19.3	18.5	17.7	16.7	15.7	15.6	18.5	
140	23.5	23.6	23.6	23.5	23.1	22.7	22.3	21.9	21.5	21.0	20.4	19.6	18.7	17.9	17.0	15.9	15.1	18.5	
150	25.0	25.1	25.0	24.5	23.9	23.3	22.8	22.2	21.6	21.0	20.4	19.7	18.8	17.9	17.1	16.0	14.9	18.5	
160	26.2	26.2	25.8	25.2	24.6	23.9	23.1	22.4	21.6	20.9	20.3	19.6	18.8	17.9	17.1	16.0	14.9	18.5	
170	26.2	25.9	25.6	25.3	24.7	24.0	23.3	22.4	21.5	20.7	20.0	19.4	18.6	17.8	17.0	16.0	14.8	18.5	
180	26.9	26.6	26.0	25.2	24.4	23.7	23.0	22.2	21.2	20.3	19.6	19.0	18.3	17.5	16.8	15.9	14.7	18.5	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7475]
 Remarks: