

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

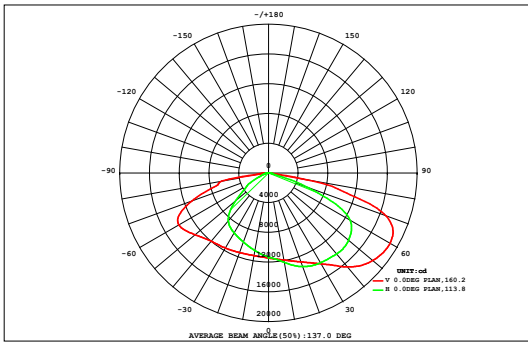
Maximum Intensity (Luminaire orientation as tested.)		358.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	141.0V x 166.7H 113.9V x 160.2H 44.0V x 147.0H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 981.4 lumens per klm. 809.2 lumens per klm. 88.8 lumens per klm.
	Upward LOR Downward LOR	0.0 % 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:2018-10-09

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:219.59V I:1.8670A P:403.20W PF:0.9835 Freq:0Hz Lamp Flux:52689.2x1 lm		
NAME: ASD-LSB1-400D50-PRM	TYPE:	
MFR.: ASD Lighting Corp		



DATA OF LAMP		Eff:130.68lm/W	
MODEL	ASD-LSB1-400D50-PRM	Imax (cd)	18904
NOMINAL POWER (W)	400	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	51720
NOMINAL FLUX (lm)	52689.2	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	52689
TEST VOLTAGE (V)	220	θ @50% (H,V)	160,114DEG

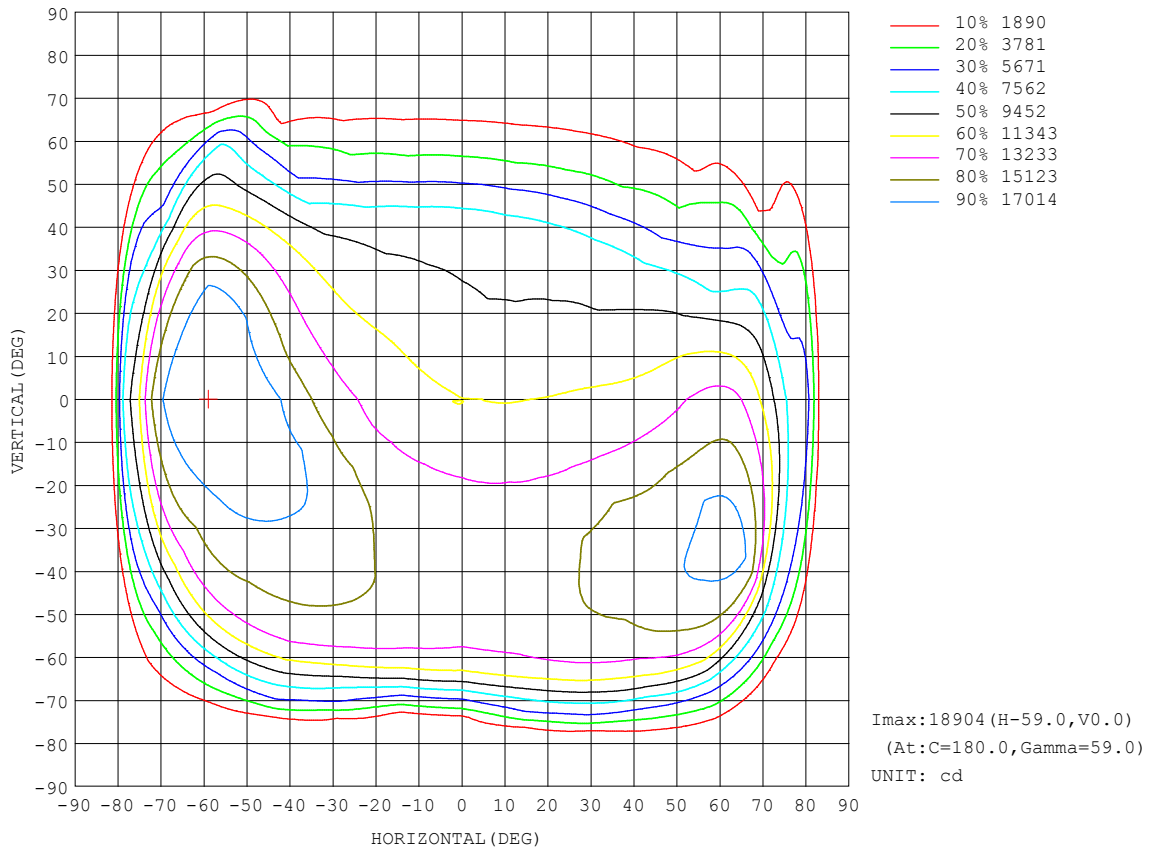
VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.25	1.21	2.91	4.73	4.87	7.01	8.60	8.45	7.86	7.04	6.23	5.91	5.29	4.12	2.69	1.58	0.83	0.30	79.9	0.00	
80	0.38	2.41	8.70	14.3	18.7	23.5	27.5	27.9	24.2	20.6	18.6	18.4	17.2	14.5	9.67	5.20	2.25	0.70	255	0.00	
70	0.50	5.94	26.8	66.1	59.6	52.4	56.5	60.6	61.6	58.4	51.0	43.6	34.4	26.0	17.6	9.75	4.36	1.18	636	360	
60	0.66	15.8	70.1	145	133	118	121	128	131	126	114	97.9	76.4	53.2	32.3	17.9	8.35	1.64	1389	1337	
50	0.90	30.8	115	194	206	196	207	218	223	216	197	167	128	91.9	67.1	40.8	16.5	2.24	2318	2306	
40	1.33	47.9	161	248	268	264	266	272	275	267	253	228	189	141	102	69.8	27.8	3.25	3085	3081	
30	1.96	66.0	197	291	310	303	299	301	298	286	274	255	225	188	140	97.1	40.4	4.65	3577	3574	
-30	2.66	81.3	217	310	339	331	328	327	319	306	295	279	250	220	181	126	52.2	6.05	3971	3968	
-40	3.23	92.5	230	320	362	361	354	348	340	328	318	304	278	251	218	154	62.3	7.12	4333	4330	
-50	3.27	93.5	229	322	379	392	380	369	360	353	343	329	308	280	247	177	69.4	7.24	4641	4638	
-60	2.76	84.3	215	312	382	416	412	402	395	386	374	361	340	311	271	194	72.7	6.33	4935	4932	
-70	2.10	71.0	195	295	371	418	430	423	420	415	408	396	376	339	293	210	71.0	4.95	5139	5136	
-80	1.47	54.3	169	274	351	406	430	431	429	426	420	410	390	355	300	215	61.6	3.41	5127	5123	
-90	1.01	35.7	134	244	325	385	419	433	435	430	421	411	387	349	290	185	45.4	2.27	4931	4926	
-90	0.70	18.8	87.2	188	278	341	381	404	413	413	408	396	363	317	247	125	24.8	1.62	4405	4397	
-90	0.52	7.49	38.3	99.1	173	223	251	269	288	306	317	310	277	223	150	59.2	7.50	1.15	3000	2981	
-90	0.37	2.51	7.88	19.2	39.5	54.8	56.5	47.0	53.8	75.7	102	110	96.9	70.7	41.4	12.1	2.18	0.68	793	632	
-90	0.22	1.05	1.95	2.88	4.00	5.19	5.79	5.92	6.34	6.73	7.04	7.52	7.07	5.60	4.38	2.35	0.82	0.29	75.1	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	24.3	713	2108	3348	4004	4297	4433	4475	4480	4426	4326	4128	3747	3240	2613	1702	570	55.0	52689	---	
Φ a	7.38	683	2073	3311	3956	4231	4356	4395	4403	4355	4260	4060	3677	3174	2555	1657	539	29.4	---	51720	

one-half-peak spread: U:24.1,D:46.1 , L:20.6,R:20.7 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2018-10-09
 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:219.59V I:1.8670A P:403.20W PF:0.9835 Freq:0Hz Lamp Flux:52689.2x1 lm		
NAME: ASD-LSB1-400D50-PRM	TYPE:	
MFR.: ASD Lighting Corp		

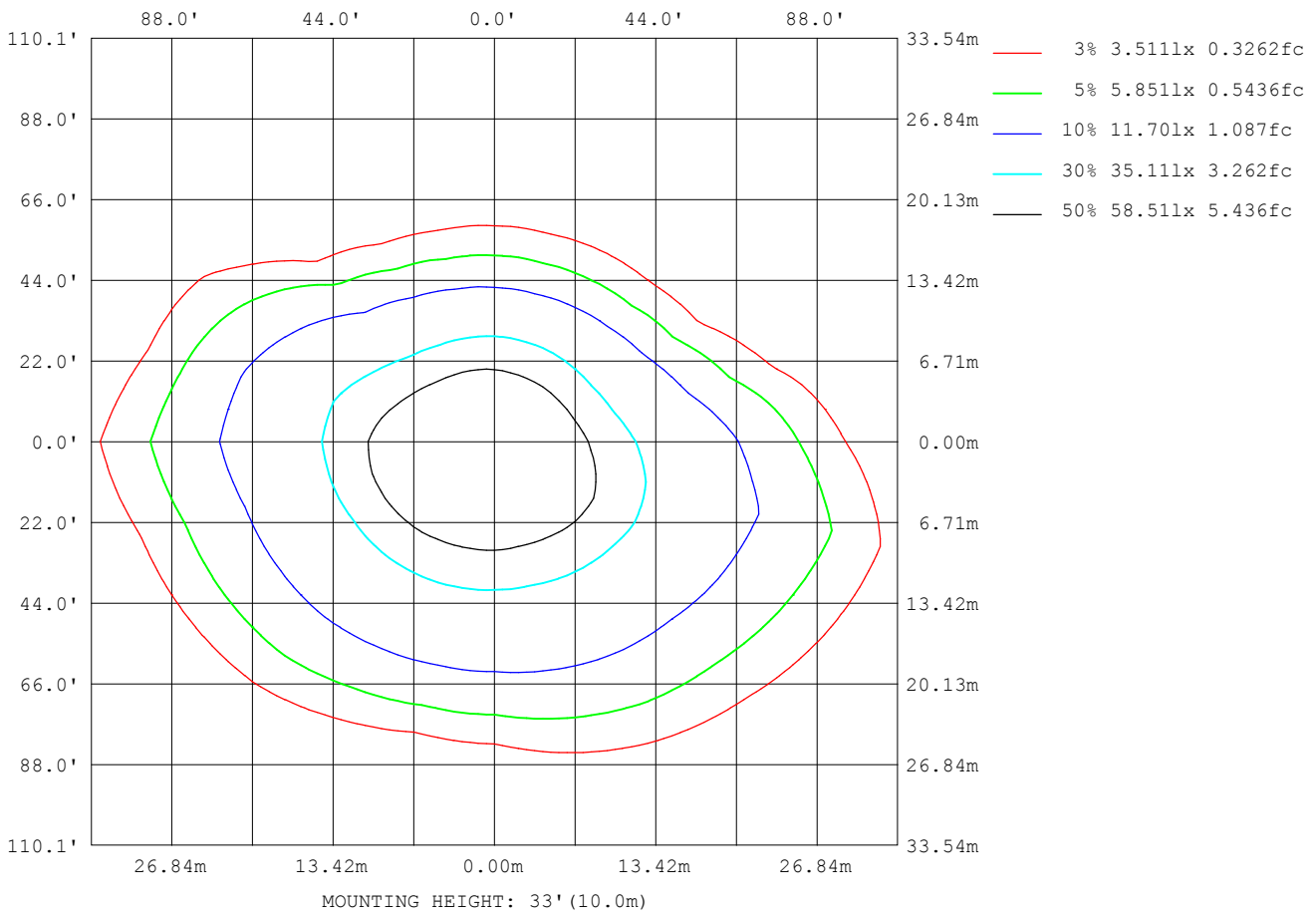


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ISOLUX DIAGRAM

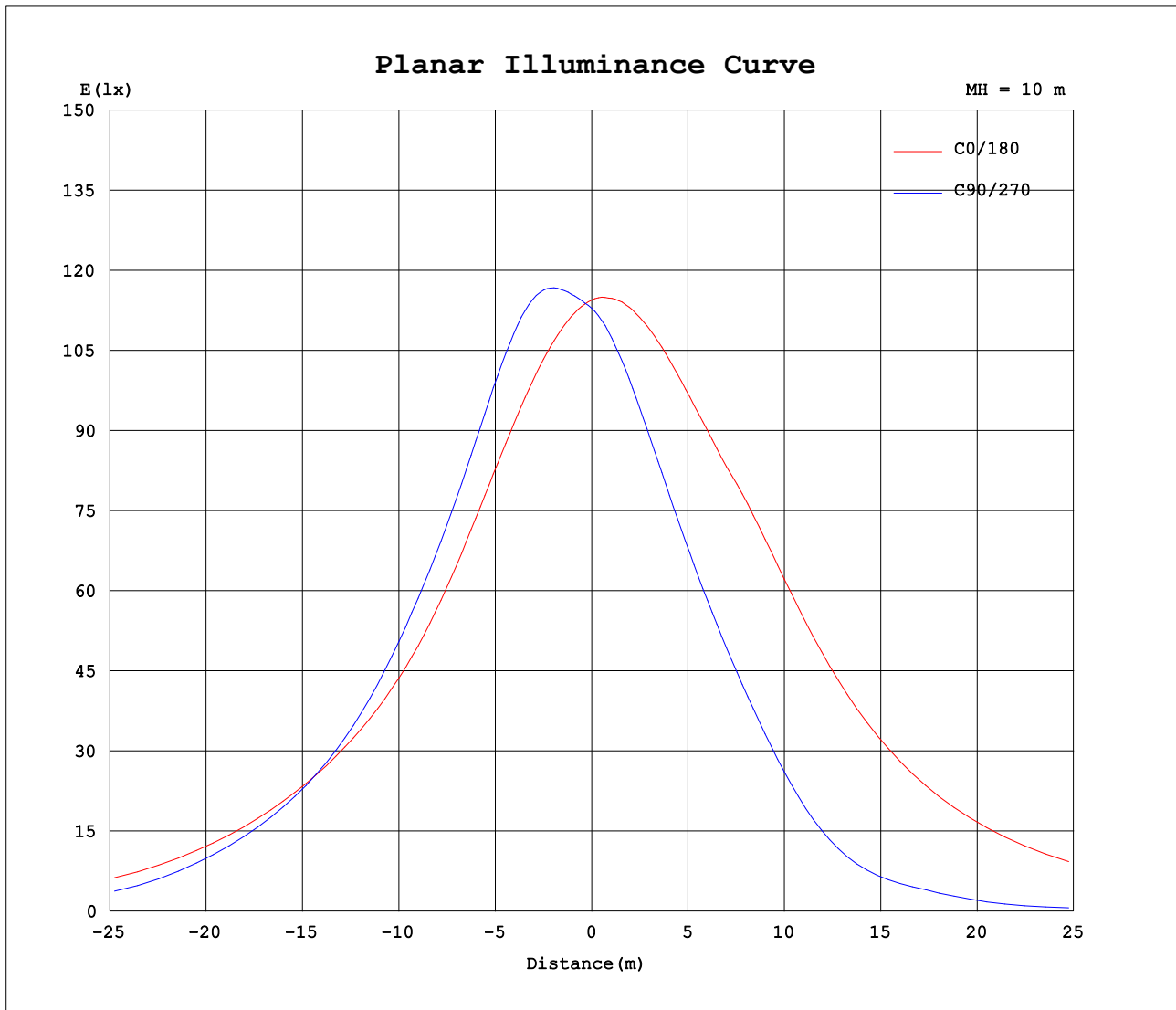
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Planar Illuminance Curve

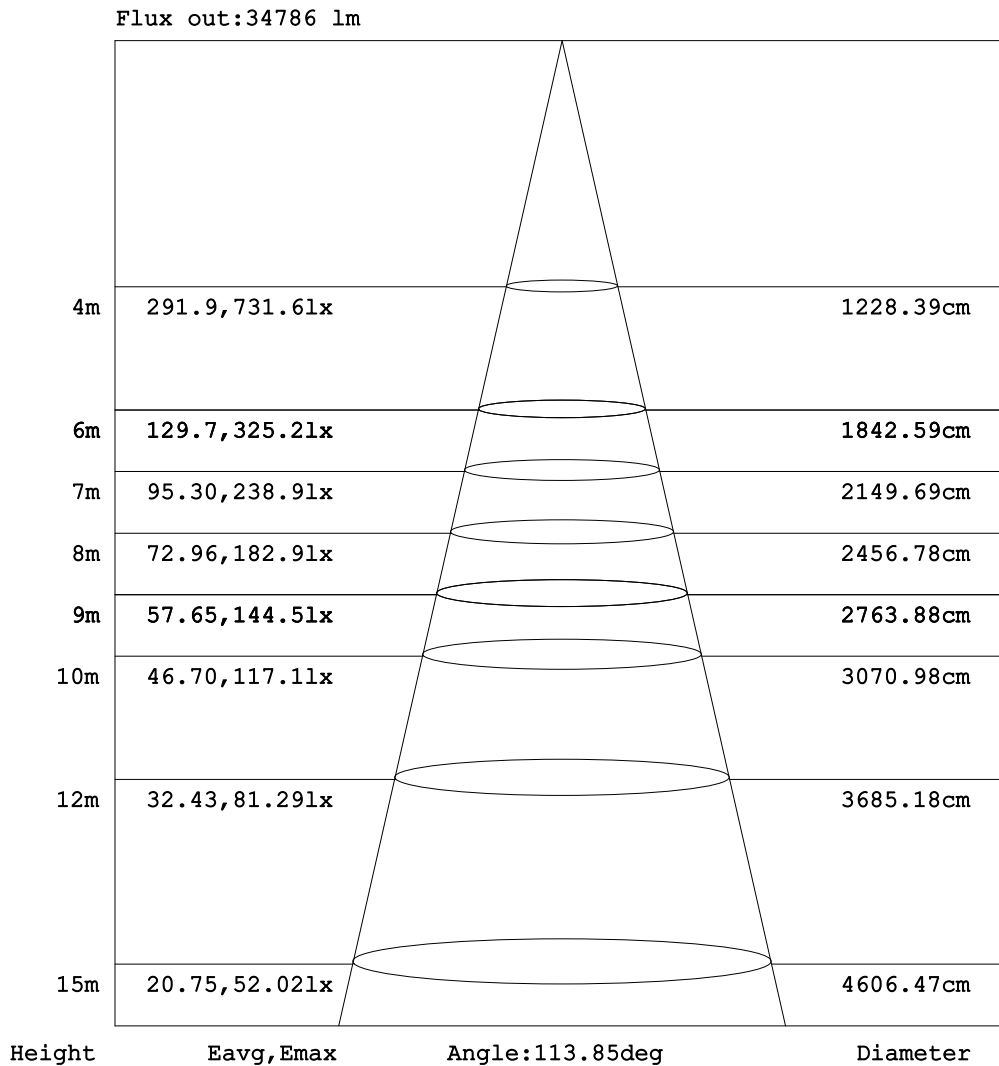


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AAI Figure

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NAME: ASD-LSB1-400D50-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:2018-10-09

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:219.59V I:1.8670A P:403.20W PF:0.9835 Freq:0Hz Lamp Flux:52689.2x1 lm	
NAME: ASD-LSB1-400D50-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	5.89	5.66	5.43	5.21	4.42	3.63	2.85	2.63	2.41	2.20	2.19	2.18	2.17	1.88	1.60	1.31	1.40	1.48	1.57
-85	5.89	7.42	9.82	13.6	14.6	14.9	14.9	15.7	16.1	16.0	17.6	19.0	20.1	19.9	19.6	19.1	19.8	20.4	20.8
-80	5.89	9.16	15.1	22.8	25.6	28.3	31.1	34.3	38.9	45.0	47.4	47.9	46.5	45.8	44.8	43.6	44.6	45.3	45.6
-75	5.89	11.1	19.9	29.7	37.9	53.1	55.2	83.2	108	119	149	163	151	145	123	78.4	82.9	97.0	110
-70	5.89	13.1	24.3	40.0	81.5	128	189	288	385	514	558	573	586	555	516	478	502	529	543
-65	5.89	14.9	28.9	72.6	171	278	422	562	708	808	870	895	904	915	931	936	966	991	997
-60	5.89	16.6	35.0	130	289	466	655	838	984	1093	1171	1201	1223	1240	1253	1254	1261	1267	1264
-55	5.89	18.2	47.2	207	421	668	898	1087	1222	1310	1360	1382	1391	1395	1396	1387	1379	1373	1362
-50	5.89	19.8	64.7	311	572	865	1110	1280	1378	1433	1467	1483	1485	1478	1466	1449	1432	1421	1407
-45	5.89	21.3	85.5	439	739	1045	1278	1409	1472	1515	1540	1550	1543	1525	1502	1478	1453	1441	1429
-40	5.89	22.7	118	568	895	1199	1398	1500	1547	1577	1597	1597	1581	1551	1511	1478	1446	1433	1423
-35	5.89	24.2	156	682	1043	1320	1484	1575	1615	1631	1643	1634	1605	1561	1508	1464	1430	1415	1409
-30	5.89	25.9	205	777	1185	1438	1557	1640	1676	1686	1681	1663	1622	1566	1504	1451	1420	1403	1396
-25	5.89	27.5	254	863	1307	1533	1631	1698	1727	1729	1715	1688	1633	1562	1492	1440	1408	1386	1376
-20	5.89	28.7	322	938	1408	1613	1701	1749	1771	1764	1736	1692	1631	1538	1465	1415	1380	1355	1341
-15	5.89	29.6	380	1006	1494	1682	1758	1790	1798	1788	1745	1675	1584	1495	1421	1367	1328	1302	1286
-10	5.89	30.1	427	1062	1566	1744	1806	1823	1812	1780	1724	1641	1525	1431	1362	1307	1265	1238	1221
-5	5.89	30.4	461	1107	1627	1799	1849	1850	1822	1769	1684	1572	1461	1375	1303	1248	1210	1180	1166
0	5.89	30.3	478	1139	1678	1849	1889	1876	1832	1759	1649	1514	1412	1333	1273	1226	1189	1162	1145
5	5.89	30.3	457	1087	1619	1810	1860	1844	1785	1690	1567	1445	1350	1280	1226	1184	1150	1119	1098
10	5.89	29.9	420	1024	1548	1764	1830	1815	1745	1632	1497	1382	1296	1233	1188	1149	1114	1085	1062
15	5.89	29.2	370	951	1464	1708	1796	1788	1714	1590	1438	1326	1246	1188	1147	1112	1084	1052	1025
20	5.89	28.2	309	870	1362	1637	1756	1763	1675	1524	1381	1272	1193	1138	1096	1071	1047	1017	990
25	5.89	27.0	240	793	1241	1545	1704	1694	1583	1447	1316	1214	1140	1082	1047	1024	1005	983	960
30	5.89	25.4	189	714	1088	1425	1598	1574	1480	1360	1240	1150	1077	1026	999	976	963	948	931
35	5.89	23.6	139	636	900	1266	1441	1438	1360	1255	1151	1065	994	969	943	930	919	910	897
40	5.89	22.1	103	534	706	1095	1278	1285	1218	1123	1025	943	904	886	865	864	857	854	844
45	5.89	20.8	71.3	403	556	916	1118	1124	1056	962	859	772	771	756	749	752	747	749	739
50	5.89	19.3	53.6	269	462	703	968	984	894	789	670	610	605	586	588	589	585	587	575
55	5.89	17.9	40.1	169	357	501	790	888	746	624	491	469	450	422	429	423	419	419	410
60	5.89	16.6	32.5	100	230	334	522	712	595	448	346	348	335	320	323	322	322	325	324
65	5.89	15.1	27.1	54.4	137	194	245	388	407	268	176	200	193	190	195	190	192	190	183
70	5.89	13.5	23.1	34.9	70.2	112	112	130	176	146	115	123	129	129	130	130	124	117	109
75	5.89	11.8	19.7	27.4	42.1	64.1	78.1	77.1	79.5	82.4	89.2	96.2	102	101	99.8	97.5	89.1	78.7	67.2
80	5.89	9.96	16.0	22.4	29.8	42.3	57.4	54.5	49.1	44.6	52.6	60.0	66.1	64.4	61.2	57.0	53.3	49.0	44.2
85	5.89	8.17	11.4	15.6	17.6	20.1	25.3	25.9	23.8	19.2	22.0	25.8	29.9	29.6	28.4	26.7	26.0	25.2	24.1
90	5.89	6.35	6.82	7.28	7.11	6.93	6.75	6.67	6.58	6.49	6.34	6.19	6.04	6.09	6.14	6.19	5.94	5.69	5.44

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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: ASD-LSB1-400D50-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	1.52	1.50	1.55	1.61	1.67	1.85	2.04	2.23	2.86	3.49	4.12	4.33	4.55	4.77	5.40	6.04	6.68	
-85	21.1	21.2	21.2	24.3	26.8	28.6	27.9	27.1	26.2	26.0	25.5	24.8	18.3	12.5	8.28	11.1	10.6	6.68	
-80	48.7	51.3	53.4	57.8	57.6	59.9	69.6	65.2	54.0	58.4	49.4	43.5	31.6	21.0	13.4	20.3	15.2	6.68	
-75	200	275	328	369	404	414	377	346	317	273	211	143	65.3	35.2	20.6	30.8	22.3	6.68	
-70	620	685	739	779	802	805	789	738	680	611	511	395	206	73.8	35.5	41.1	30.6	6.68	
-65	1047	1084	1114	1135	1152	1154	1134	1105	1062	988	869	665	451	196	60.0	51.1	39.0	6.68	
-60	1284	1298	1317	1339	1356	1360	1358	1341	1328	1298	1206	986	692	395	126	61.1	47.3	6.68	
-55	1370	1375	1393	1422	1449	1461	1464	1468	1488	1481	1448	1303	927	609	261	81.5	55.6	6.68	
-50	1406	1405	1425	1454	1483	1505	1520	1542	1578	1594	1585	1524	1250	769	413	107	62.9	6.68	
-45	1421	1413	1433	1461	1495	1528	1553	1586	1629	1669	1668	1653	1505	924	547	140	69.4	6.68	
-40	1416	1410	1430	1453	1494	1534	1571	1611	1656	1694	1715	1727	1665	1132	650	222	75.9	6.68	
-35	1407	1410	1429	1452	1489	1532	1568	1617	1666	1683	1725	1770	1761	1284	712	307	81.4	6.68	
-30	1396	1403	1422	1444	1479	1509	1548	1605	1629	1656	1711	1787	1715	1353	746	394	85.4	6.68	
-25	1372	1377	1392	1413	1441	1469	1516	1546	1575	1618	1686	1743	1658	1362	782	471	89.2	6.68	
-20	1330	1330	1335	1355	1378	1416	1443	1472	1514	1573	1630	1663	1594	1335	806	521	92.8	6.68	
-15	1272	1267	1270	1283	1308	1336	1364	1398	1449	1501	1554	1589	1529	1292	826	563	96.1	6.68	
-10	1211	1206	1212	1222	1239	1264	1294	1326	1371	1425	1483	1520	1462	1236	825	596	99.0	6.68	
-5	1159	1161	1166	1173	1188	1211	1234	1260	1300	1356	1417	1457	1394	1171	809	621	102	6.68	
0	1133	1129	1133	1140	1152	1167	1180	1200	1236	1292	1356	1395	1322	1096	781	638	104	6.68	
5	1079	1074	1076	1087	1101	1108	1116	1133	1164	1210	1256	1278	1215	1027	724	602	102	6.68	
10	1045	1037	1041	1051	1056	1051	1051	1066	1092	1128	1153	1157	1104	949	662	559	99.2	6.68	
15	1006	1001	1002	1012	1012	1006	1003	1006	1017	1040	1042	1031	991	866	596	511	96.3	6.68	
20	969	964	967	969	968	955	953	954	955	944	918	897	878	774	526	460	93.2	6.68	
25	941	934	933	932	925	916	901	891	879	850	797	757	769	672	461	408	89.8	6.68	
30	916	907	903	898	885	870	847	810	778	738	688	645	668	550	396	337	86.2	6.68	
35	886	873	866	853	834	801	766	716	649	612	579	569	570	412	345	264	82.3	6.68	
40	832	814	800	777	746	701	649	594	531	479	481	488	467	270	296	194	76.9	6.68	
45	726	700	679	649	610	563	504	463	421	376	390	393	334	166	246	128	70.3	6.68	
50	562	536	514	487	453	422	385	363	343	305	273	286	203	102	191	103	63.6	6.68	
55	402	387	375	365	352	338	316	287	247	206	150	184	128	87.1	132	82.2	56.2	6.68	
60	319	308	297	283	263	235	202	168	155	134	119	118	92.2	73.8	81.7	62.5	47.8	6.68	
65	178	167	155	151	144	138	132	127	120	111	101	88.8	74.5	60.7	54.8	54.0	39.3	6.68	
70	103	96.4	90.6	96.1	100	101	100.0	99.0	95.1	87.4	78.3	67.5	57.9	46.7	37.7	43.3	30.9	6.68	
75	65.4	63.1	60.9	63.6	64.9	65.3	67.8	69.2	67.9	61.9	55.3	48.1	40.1	31.4	25.2	31.9	22.5	6.68	
80	43.1	41.8	40.3	40.9	41.1	40.8	42.4	42.9	42.0	37.2	31.6	25.9	22.7	18.7	15.1	20.8	15.4	6.68	
85	23.0	21.8	20.4	20.5	20.6	20.6	19.7	18.4	17.1	15.7	14.0	12.4	11.3	10.1	8.88	11.4	10.9	6.68	
90	5.04	4.64	4.24	4.63	5.02	5.40	5.28	5.16	5.05	4.99	4.93	4.87	5.14	5.41	5.69	6.02	6.35	6.68	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2018-10-09

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: