

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		411.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of Imax	140.8V x 169.2H
	At 50% of Imax	100.5V x 159.8H
	At 90% of Imax	31.1V x 150.7H

Beam Flux	Total	995.4 lumens per klm.
	To 10% of Imax	975.6 lumens per klm.
	To 50% of Imax	680.9 lumens per klm.
	To 90% of Imax	34.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.5 %

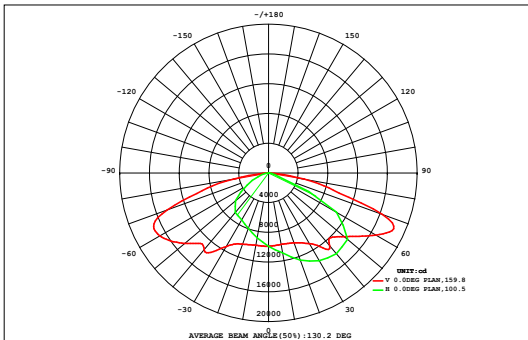
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:276.03V I:1.4920A P:394.94W PF:0.9590 Freq:49.96Hz Lamp Flux:49431.5x1 lm		
NAME: ASD-LSB1HV-400D50-PRM	TYPE:	
MFR.: EVERFINE		



DATA OF LAMP		Eff:125.16lm/W	
MOD&S: ASD-LSB1HV-400D50-PRM	Imax (cd)	20332	
NOMINAL POWER (W)	400	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	48557
NOMINAL FLUX (lm)	49431.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	49431
TEST VOLTAGE (V)	277	θ @50% (H, V)	160,101DEG

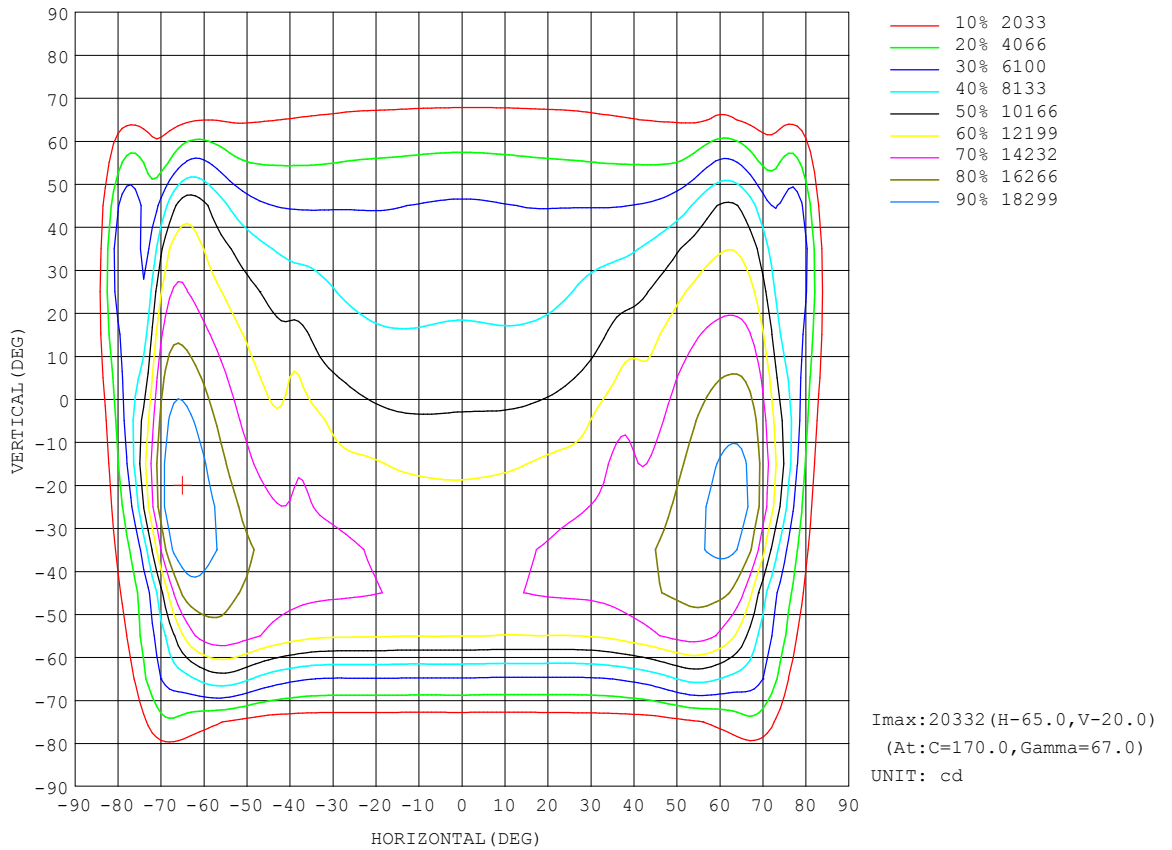
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a						
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	0.45	2.50	5.48	9.63	16.1	22.5	25.5	27.2	28.6	28.7	27.4	25.9	22.7	16.2	10.3	6.16	2.60	0.41	278	0.00						
70	1.58	9.70	18.1	29.6	39.3	50.4	60.5	67.1	70.9	71.1	68.0	61.5	50.8	39.4	30.3	20.9	9.81	1.28	700	424						
60	3.91	29.5	65.5	83.3	84.0	98.0	114	126	135	135	126	114	99.0	83.9	83.7	68.1	30.3	3.28	1482	1477						
50	6.88	50.7	137	150	133	148	166	182	196	195	181	167	151	137	154	128	53.0	5.87	2341	2339						
40	9.10	56.6	167	186	180	190	200	205	217	217	207	205	193	191	197	150	59.8	7.71	2839	2837						
30	9.26	60.5	179	209	213	218	215	216	227	227	219	224	226	228	222	167	62.3	8.17	3129	3128						
20	7.99	67.4	198	230	237	250	237	243	252	252	245	244	262	259	245	186	67.5	7.24	3492	3490						
10	6.40	76.3	219	251	260	281	271	273	282	283	278	278	295	284	268	206	75.0	6.07	3890	3888						
0	5.17	85.0	237	268	276	319	304	306	313	315	311	310	336	301	285	223	81.2	4.95	4281	4279						
-10	4.11	88.1	250	285	294	343	346	350	353	354	355	354	358	316	299	235	83.4	4.03	4672	4670						
-20	3.21	81.1	255	302	315	354	384	397	399	401	403	392	366	334	311	239	77.0	2.99	5015	5012						
-30	2.13	59.4	245	312	338	374	395	408	423	425	414	401	383	350	315	227	60.1	1.98	5134	5131						
-40	1.24	38.3	206	296	339	371	403	418	429	431	425	408	378	351	298	187	41.4	1.17	5022	5019						
-50	0.56	32.6	153	266	300	324	352	372	383	382	368	345	325	307	258	140	34.5	0.57	4344	4340						
-60	0.25	27.7	100	183	183	174	186	198	204	201	193	180	172	177	169	99.6	26.8	0.31	2477	2428						
-70	0.15	13.3	37.6	19.2	11.9	11.9	12.8	12.9	13.1	13.1	13.4	13.8	13.2	13.5	19.7	36.6	10.9	0.21	267	93.5						
-80	0.05	1.34	7.77	3.02	4.41	5.93	4.80	3.38	3.02	3.05	3.76	5.73	6.36	4.47	3.10	5.52	0.69	0.08	66.5	1.03						
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Φ t	62.5	780	2481	3084	3223	3534	3676	3805	3927	3935	3838	3730	3638	3391	3169	2325	776	56.3	49431	---					
	Φ a	48.1	761	2455	3047	3174	3471	3605	3730	3849	3857	3762	3656	3572	3341	3129	2300	757	40.6	---	48557					

one-half-peak spread: U:24.0,D:78.9 , L:14.0,R:16.9 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:8.050m [K=1.0000]
Test Date:2019-01-17	Remarks:

ISOCANDELA DIAGRAM

Test:U:276.03V I:1.4920A P:394.94W PF:0.9590 Freq:49.96Hz Lamp Flux:49431.5x1 lm		
NAME: ASD-LSB1HV-400D50-PRM	TYPE:	
MFR.: EVERFINE		

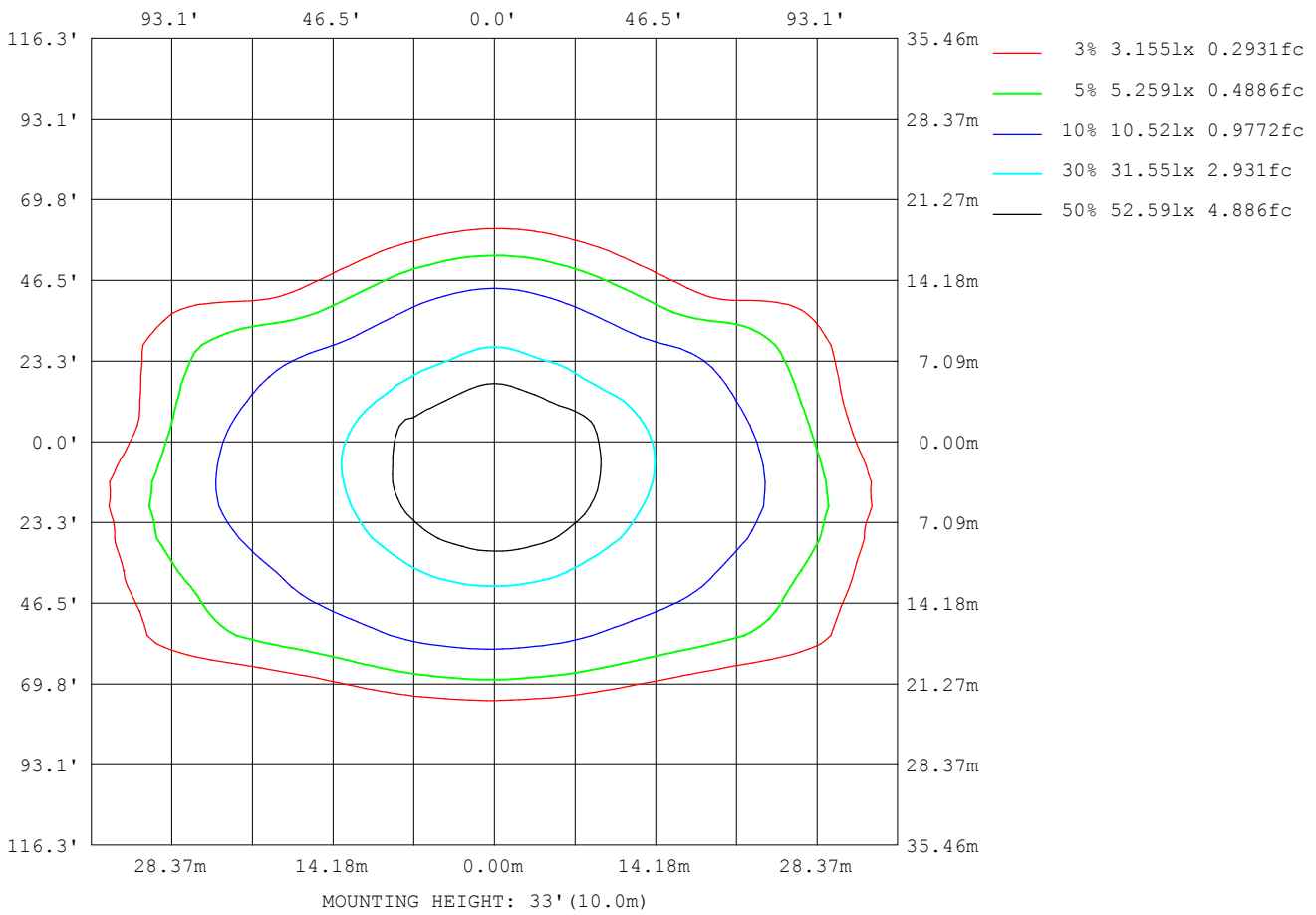


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-01-17

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

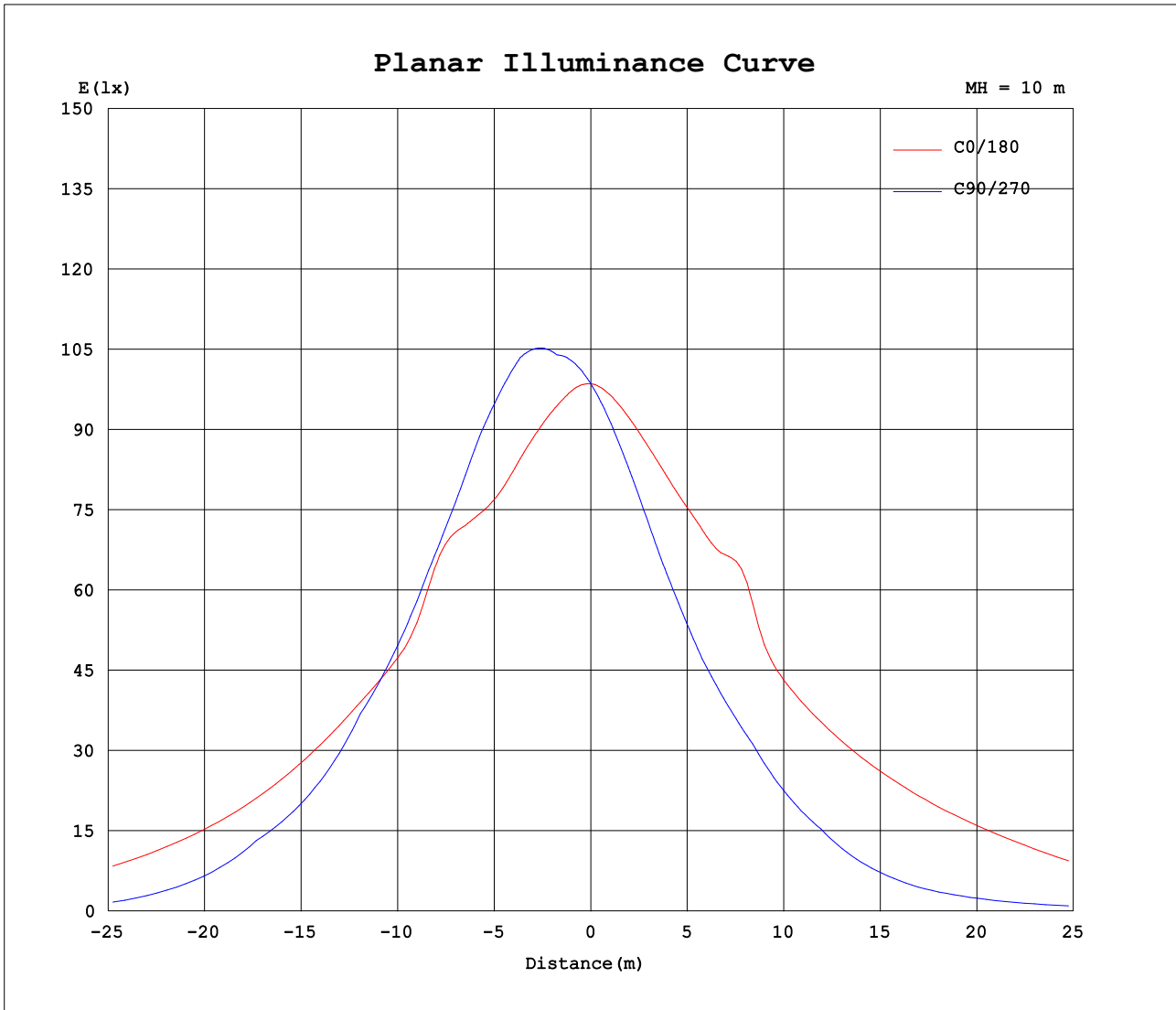
Test:U:276.03V I:1.4920A P:394.94W PF:0.9590 Freq:49.96Hz Lamp Flux:49431.5x1 lm		
NAME: ASD-LSB1HV-400D50-PRM	TYPE:	
MFR.: EVERFINE		



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-01-17

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

Planar Illuminance Curve

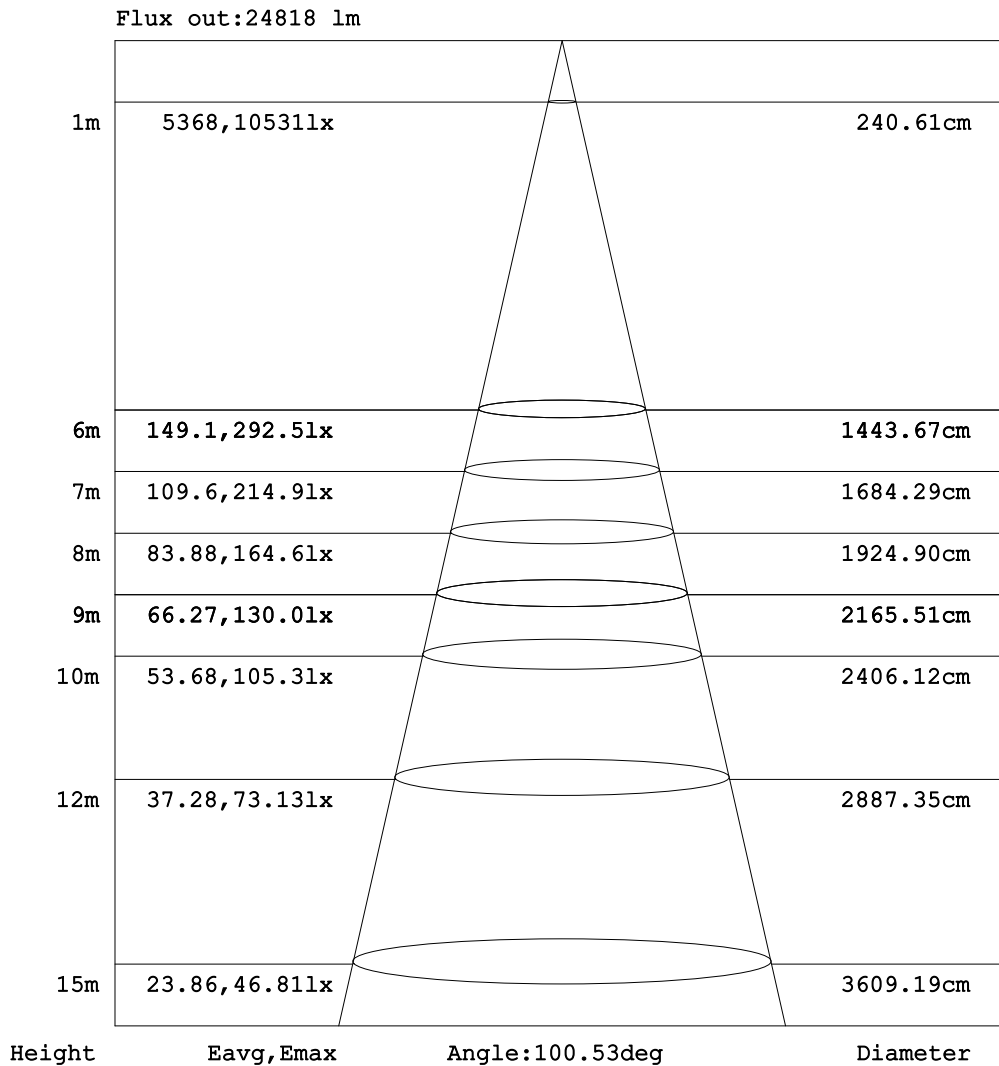


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

AAI Figure

Test:U:276.03V I:1.4920A P:394.94W PF:0.9590 Freq:49.96Hz Lamp Flux:49431.5x1 lm		
NAME: ASD-LSB1HV-400D50-PRM	TYPE:	
MFR.: EVERFINE		



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.03V I:1.4920A P:394.94W PF:0.9590 Freq:49.96Hz Lamp Flux:49431.5x1 lm		
NAME: ASD-LSB1HV-400D50-PRM	TYPE:	
MFR.: EVERFINE		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	3.34	3.70	6.90	38.8	202	208	120	83.8	70.9	63.4	65.6	64.2	59.9	54.9	50.4	45.6	43.8	43.7	43.6
-75	3.41	4.47	10.9	119	356	343	251	197	146	110	99.5	95.4	95.3	95.5	94.2	92.1	90.4	90.8	93.0
-70	3.47	5.24	15.0	199	510	478	382	310	221	156	133	127	131	136	138	139	137	138	142
-65	3.57	6.37	31.2	293	611	732	874	933	842	726	655	614	601	602	603	601	598	600	600
-60	3.66	7.49	47.4	388	712	986	1366	1555	1464	1297	1177	1102	1071	1067	1068	1064	1058	1061	1057
-55	3.76	8.70	86.4	396	731	1201	1509	1567	1486	1389	1314	1265	1245	1240	1237	1228	1225	1227	1224
-50	3.86	9.91	125	404	749	1417	1652	1578	1507	1482	1452	1429	1419	1413	1407	1391	1391	1393	1391
-45	3.98	11.6	166	427	960	1653	1755	1677	1603	1547	1500	1471	1456	1446	1430	1408	1404	1405	1405
-40	4.11	13.4	206	450	1171	1889	1858	1777	1699	1611	1548	1513	1494	1478	1453	1424	1417	1417	1419
-35	4.20	16.4	247	585	1429	1958	1905	1782	1662	1564	1504	1500	1470	1435	1410	1389	1386	1389	1392
-30	4.30	19.4	287	719	1687	2026	1951	1787	1625	1516	1461	1487	1447	1391	1367	1355	1355	1361	1365
-25	4.35	29.5	328	855	1735	2030	1924	1734	1568	1459	1433	1429	1389	1375	1356	1329	1315	1307	1306
-20	4.41	39.5	369	992	1783	2033	1898	1681	1510	1402	1406	1370	1330	1359	1346	1304	1275	1253	1247
-15	4.41	46.1	398	1009	1749	2000	1848	1633	1465	1353	1366	1371	1297	1260	1236	1201	1182	1170	1168
-10	4.41	52.8	427	1027	1714	1967	1798	1586	1420	1305	1325	1372	1265	1160	1126	1099	1089	1087	1089
-5	4.41	66.1	460	966	1672	1900	1735	1536	1377	1264	1303	1291	1181	1099	1063	1040	1033	1034	1037
0	4.40	79.4	492	905	1629	1832	1672	1487	1333	1223	1280	1211	1098	1037	1001	982	977	980	986
5	4.39	96.6	516	823	1553	1750	1604	1436	1293	1184	1223	1121	1032	982	945	928	925	931	936
10	4.38	114	540	740	1478	1668	1536	1386	1254	1145	1165	1032	965	927	890	874	874	882	887
15	4.39	117	582	684	1393	1585	1462	1323	1199	1094	1068	1001	911	866	837	826	828	836	840
20	4.40	121	625	628	1309	1502	1388	1261	1144	1042	972	971	857	806	784	778	781	790	794
25	4.41	127	671	613	1206	1444	1328	1197	1081	979	910	889	821	775	747	738	743	755	760
30	4.41	133	718	597	1103	1386	1267	1134	1018	917	849	807	785	745	710	699	706	720	726
35	4.40	116	711	618	974	1347	1216	1053	920	825	775	751	738	712	689	683	691	705	711
40	4.38	98.5	705	639	844	1307	1165	971	823	732	701	696	691	679	668	667	677	689	696
45	4.38	82.1	592	633	667	1111	1056	836	683	617	595	593	596	598	599	605	617	631	638
50	4.39	65.7	480	627	489	915	947	701	543	501	490	490	501	517	530	543	558	573	580
55	4.40	50.0	346	445	333	585	636	499	411	394	392	395	404	417	424	433	443	453	457
60	4.41	34.2	212	262	177	256	325	297	279	286	294	299	307	316	318	323	329	333	335
65	4.41	23.6	134	157	113	158	200	189	185	196	206	214	221	229	233	236	240	243	244
70	4.41	13.0	56.6	51.1	49.4	61.4	74.0	81.7	92.2	107	118	128	136	143	147	150	152	153	153
75	4.40	9.17	32.9	32.5	33.7	41.4	49.8	54.4	62.1	73.0	82.1	88.9	91.3	94.0	94.7	95.5	96.8	97.8	97.9
80	4.39	5.29	9.23	13.9	18.1	21.4	25.6	27.2	32.1	38.8	45.8	49.7	47.0	44.9	42.0	41.4	42.0	42.8	42.7
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.03V I:1.4920A P:394.94W PF:0.9590 Freq:49.96Hz Lamp Flux:49431.5x1 lm		
NAME: ASD-LSB1HV-400D50-PRM	TYPE:	
MFR.: EVERFINE		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	43.7	44.5	47.8	55.0	61.4	65.9	69.7	69.4	67.0	76.3	85.7	111	179	148	29.7	9.27	6.30	3.72	
-75	90.5	91.9	93.9	97.0	100	102	105	109	121	156	195	242	332	317	95.9	13.2	6.88	3.80	
-70	137	139	140	139	139	138	140	150	176	236	305	373	484	487	162	17.0	7.47	3.88	
-65	593	589	591	588	587	594	613	652	717	817	873	812	732	611	272	30.5	8.30	3.97	
-60	1049	1040	1041	1036	1035	1049	1087	1155	1259	1397	1440	1252	980	736	382	43.9	9.14	4.06	
-55	1222	1216	1218	1218	1218	1231	1269	1331	1406	1484	1508	1389	1117	731	426	77.1	10.2	4.12	
-50	1395	1391	1394	1401	1401	1413	1451	1508	1554	1571	1575	1527	1253	725	470	110	11.3	4.17	
-45	1411	1414	1426	1445	1455	1466	1498	1551	1611	1657	1688	1676	1470	900	504	156	12.8	4.23	
-40	1427	1437	1457	1490	1509	1518	1544	1595	1668	1743	1801	1825	1687	1075	538	201	14.3	4.29	
-35	1397	1402	1413	1435	1461	1502	1536	1555	1626	1718	1806	1871	1788	1283	657	245	17.3	4.35	
-30	1367	1367	1369	1381	1412	1486	1528	1515	1585	1693	1810	1917	1888	1491	775	289	20.2	4.42	
-25	1314	1326	1347	1380	1402	1427	1485	1496	1544	1658	1783	1902	1893	1533	878	324	25.7	4.46	
-20	1261	1285	1324	1379	1391	1368	1442	1477	1504	1623	1755	1887	1898	1576	980	359	31.1	4.50	
-15	1176	1192	1218	1258	1287	1338	1443	1440	1460	1586	1718	1845	1863	1559	999	390	43.9	4.50	
-10	1092	1098	1112	1137	1183	1307	1444	1403	1416	1549	1681	1803	1828	1541	1018	422	56.7	4.51	
-5	1040	1043	1056	1079	1119	1225	1367	1376	1378	1511	1640	1747	1767	1495	970	449	68.1	4.49	
0	987	988	1000	1020	1055	1143	1289	1349	1340	1473	1599	1692	1705	1448	922	477	79.6	4.48	
5	935	934	945	966	1004	1069	1191	1291	1297	1423	1541	1621	1631	1384	863	503	90.3	4.48	
10	883	880	889	913	953	995	1093	1232	1254	1373	1483	1551	1556	1319	804	529	101	4.48	
15	836	831	837	856	891	946	1053	1132	1195	1312	1415	1478	1477	1236	758	560	112	4.49	
20	789	782	785	800	830	897	1013	1032	1136	1251	1348	1404	1398	1153	712	591	124	4.49	
25	754	745	746	767	806	856	919	955	1056	1177	1277	1336	1328	1077	696	625	116	4.50	
30	719	708	707	734	783	816	826	879	977	1103	1205	1267	1259	1001	680	659	108	4.52	
35	705	694	690	707	737	756	764	800	875	996	1119	1204	1188	917	689	641	95.6	4.50	
40	691	679	673	680	690	695	702	721	772	888	1033	1141	1117	834	699	623	82.7	4.49	
45	631	617	606	602	603	602	603	613	639	713	877	1029	988	700	659	529	68.7	4.50	
50	571	555	539	525	515	508	504	504	506	537	720	918	859	566	620	435	54.7	4.50	
55	453	444	433	424	417	409	401	397	394	408	500	641	582	380	448	313	41.0	4.50	
60	335	333	328	323	319	310	298	289	283	279	279	364	304	195	276	191	27.2	4.51	
65	244	243	240	236	233	224	215	205	196	188	183	223	187	125	163	119	19.5	4.52	
70	153	152	152	150	146	138	131	121	109	96.1	87.1	81.6	69.7	54.6	49.9	47.8	11.8	4.53	
75	97.7	97.2	96.6	96.2	95.6	92.9	90.1	83.5	73.6	64.3	57.9	55.4	47.1	36.9	32.7	29.0	8.58	4.54	
80	42.8	42.3	41.4	42.4	45.2	47.3	49.5	46.0	38.6	32.6	28.8	29.2	24.4	19.2	15.5	10.3	5.40	4.54	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.050m [K=1.0000]
Remarks: