

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	340.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	159.0V x 162.2H
	At 50% of Imax	146.3V x 148.3H
	At 90% of Imax	133.0V x 142.9H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	986.5 lumens per klm.
	To 50% of Imax	747.4 lumens per klm.
	To 90% of Imax	86.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

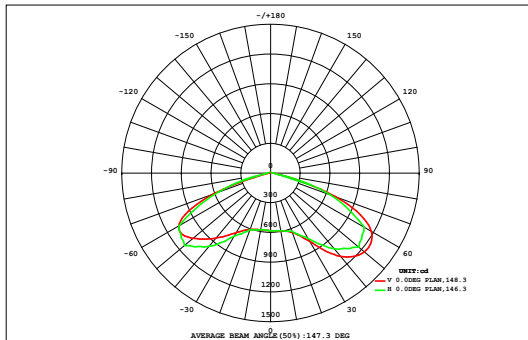
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1459A P:31.32W PF:0.9719 Freq:49.99Hz Lamp Flux:4947.9x1 lm		
NAME: LUX-AL-30-TypeV-VSM-C14680	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:VSM



DATA OF LAMP		Eff:157.98lm/W	
MODEL	LED	Imax (cd)	1685
NOMINAL POWER (W)	30	AVAILABILITY (%)	98.7
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	4886
NOMINAL FLUX (lm)	4947.9	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	4948
TEST VOLTAGE (V)	230	θ @50% (H,V)	148,146DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.10	0.21	0.41	0.66	1.03	1.14	1.14	1.11	1.13	1.23	1.22	1.06	0.63	0.40	0.21	0.10	0.03	11.9	0.00
90	0.03	0.10	0.21	0.41	0.66	1.03	1.14	1.14	1.11	1.13	1.23	1.22	1.06	0.63	0.40	0.21	0.10	0.03	11.9	0.00
80	0.03	0.14	0.57	2.33	7.75	11.9	12.2	11.2	10.5	10.7	11.8	12.8	11.9	7.14	2.11	0.59	0.17	0.04	114	106
70	0.03	0.31	1.97	10.2	22.9	29.9	29.9	27.8	26.6	27.4	29.9	32.3	30.4	20.8	8.15	1.56	0.29	0.04	301	297
60	0.04	0.49	4.54	18.4	31.9	37.7	37.7	35.8	34.4	35.5	38.6	41.3	40.2	32.1	17.5	4.30	0.53	0.06	411	409
50	0.05	0.91	8.76	22.8	32.4	35.5	35.0	33.5	32.7	34.3	38.2	41.5	40.7	34.0	21.3	7.02	0.76	0.06	419	418
40	0.06	1.24	10.3	22.3	28.8	30.1	28.9	27.2	26.6	27.5	30.7	35.4	37.0	32.9	23.2	10.3	1.33	0.08	374	373
30	0.08	2.06	12.2	21.3	24.7	24.3	22.4	21.2	20.9	21.5	23.5	28.2	32.3	30.2	22.6	10.9	1.56	0.08	320	319
20	0.08	2.10	11.9	19.9	22.1	21.0	19.2	18.4	18.3	18.6	19.3	22.1	27.3	27.7	22.2	12.3	2.25	0.11	285	284
10	0.11	2.72	12.4	18.7	20.0	18.9	17.6	17.3	17.7	17.9	18.3	20.3	25.0	26.0	21.3	11.9	2.12	0.10	268	268
0	0.10	2.32	11.9	18.7	20.1	19.1	17.7	17.3	17.5	17.7	18.0	19.7	24.2	25.7	21.4	12.4	2.51	0.12	267	266
-10	0.12	2.52	12.2	19.5	21.3	20.3	18.6	18.0	18.0	18.3	19.1	22.2	27.3	27.5	22.0	11.7	1.96	0.12	281	280
-20	0.10	1.73	11.3	20.8	24.3	23.9	22.0	20.7	20.2	20.7	22.5	26.8	31.1	29.8	22.9	11.7	1.97	0.13	313	312
-30	0.10	1.52	10.7	22.0	27.9	28.7	27.4	26.0	25.5	26.8	30.2	34.9	36.5	32.5	22.7	9.62	1.22	0.11	364	363
-40	0.08	0.82	7.56	21.4	31.6	35.0	34.5	32.7	31.8	33.1	36.6	40.0	39.9	34.2	22.1	7.91	0.98	0.11	410	409
-50	0.07	0.62	4.87	18.5	31.5	37.1	37.0	35.0	33.7	34.9	38.1	40.8	39.7	31.6	16.9	3.96	0.57	0.09	405	403
-60	0.07	0.35	1.62	8.88	21.3	28.7	29.2	26.9	25.4	25.7	27.7	30.0	29.0	21.0	9.03	1.83	0.42	0.08	287	284
-70	0.06	0.25	0.68	2.13	7.21	11.0	11.2	10.2	9.59	9.77	10.6	11.5	10.7	6.21	1.68	0.64	0.27	0.08	104	94.1
-80	0.06	0.20	0.35	0.54	0.70	0.95	1.09	1.14	1.15	1.18	1.21	1.19	1.06	0.78	0.62	0.40	0.23	0.07	12.9	0.00
-90	0.06	0.20	0.35	0.54	0.70	0.95	1.09	1.14	1.15	1.18	1.21	1.19	1.06	0.78	0.62	0.40	0.23	0.07	12.9	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	1.29	20.4	124	269	377	415	403	382	372	383	416	462	485	421	278	119	19.2	1.52	4948	---
Φ a	0.00	14.3	120	265	375	413	400	378	368	379	412	459	483	419	274	114	12.9	0.00	---	4886

one-half-peak spread: U:22.7,D:23.8 , L:16.4,R:22.9

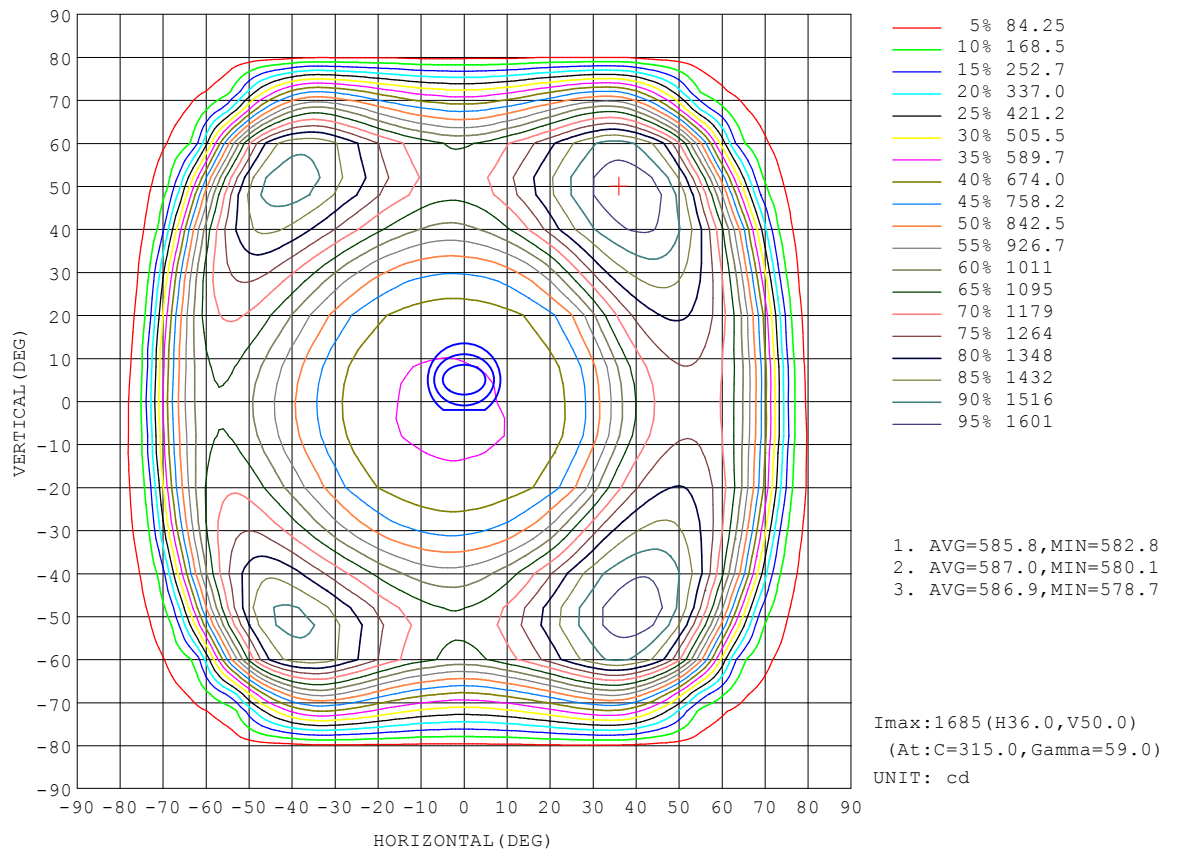
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1459A P:31.32W PF:0.9719 Freq:49.99Hz Lamp Flux:4947.9x1 lm		
NAME: LUX-AL-30-TypeV-VSM-C14680	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:VSM

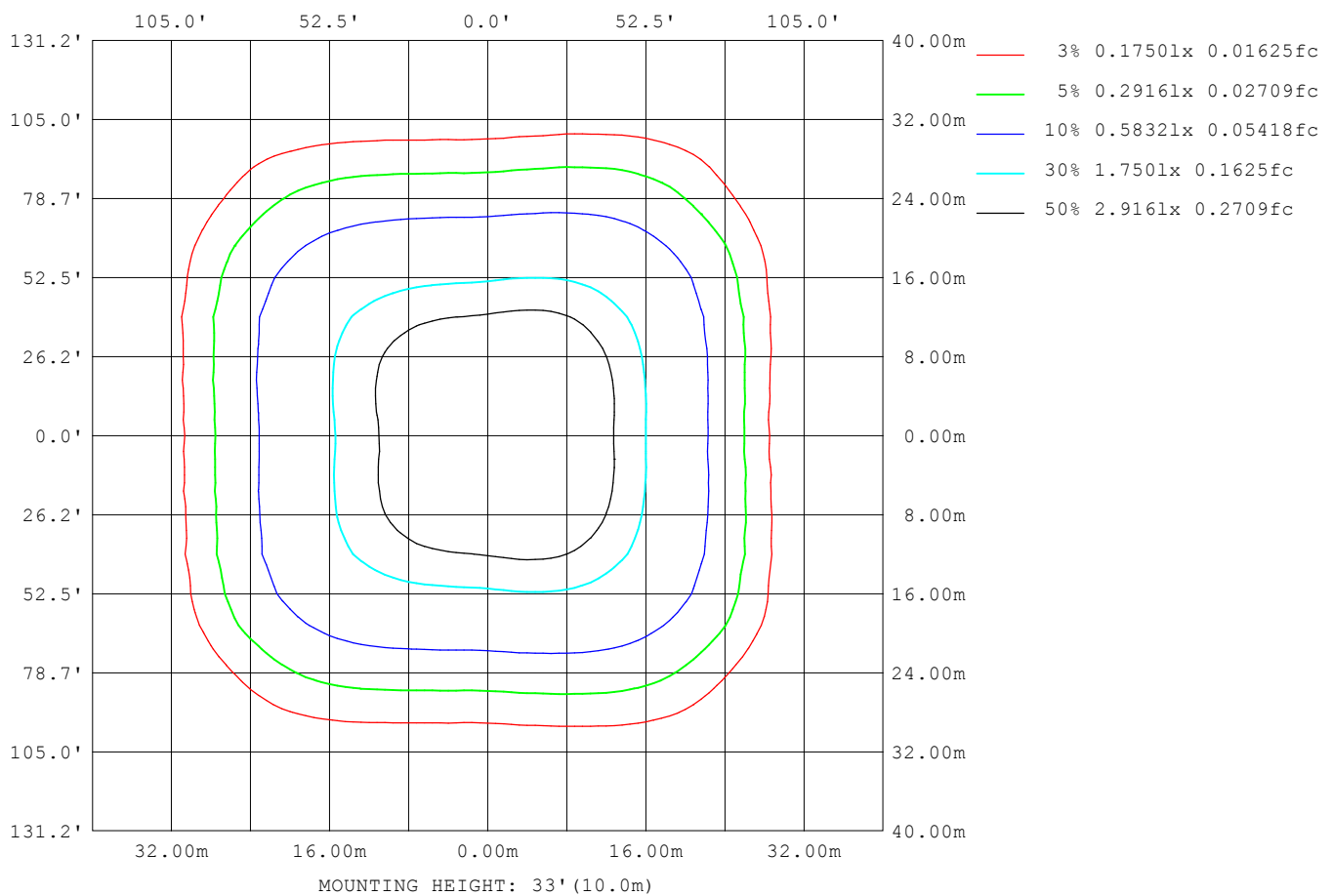


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

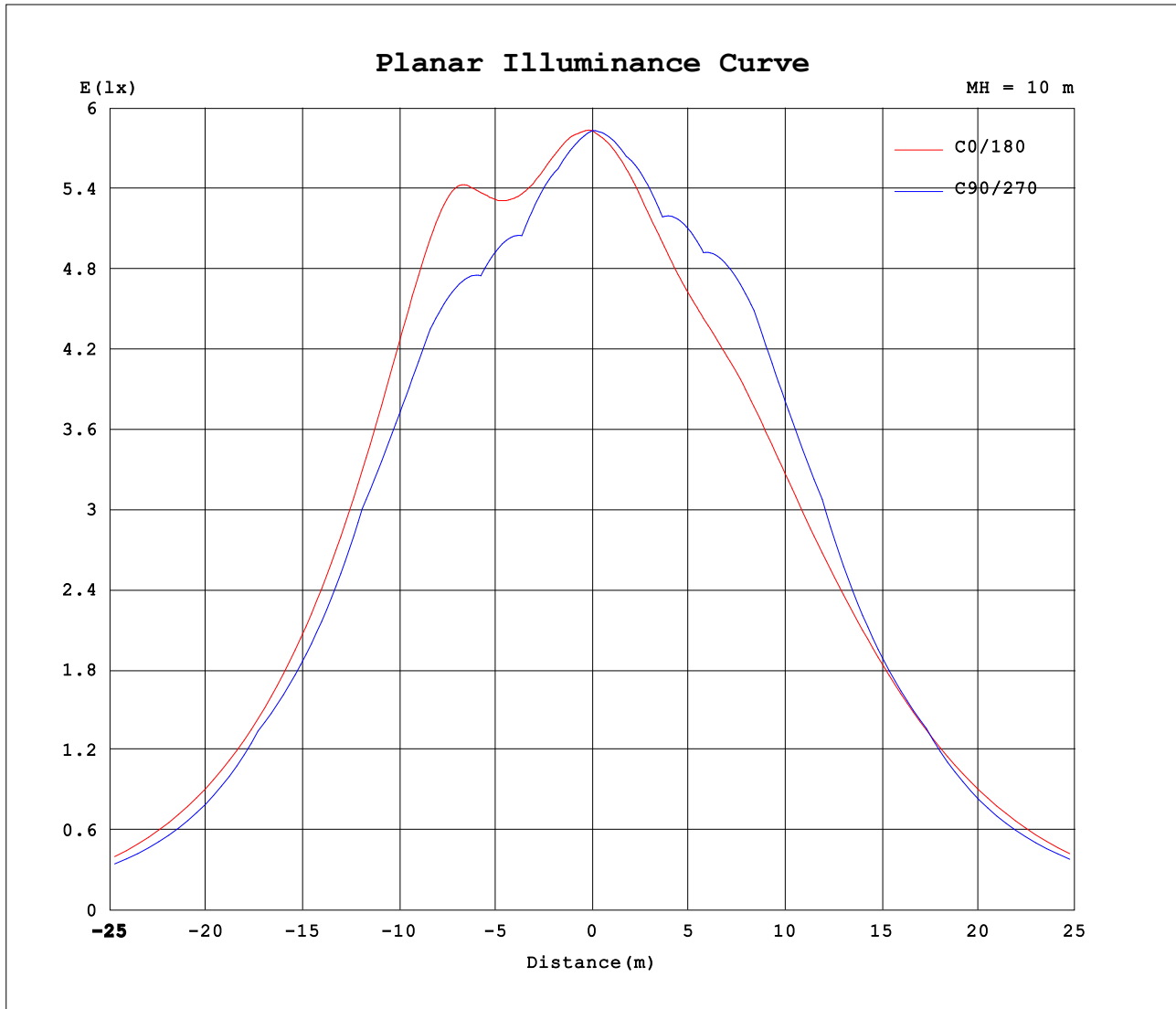
Test:U:220.9V I:0.1459A P:31.32W PF:0.9719 Freq:49.99Hz Lamp Flux:4947.9x1 lm		
NAME: LUX-AL-30-TypeV-VSM-C14680	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:VSM



H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve

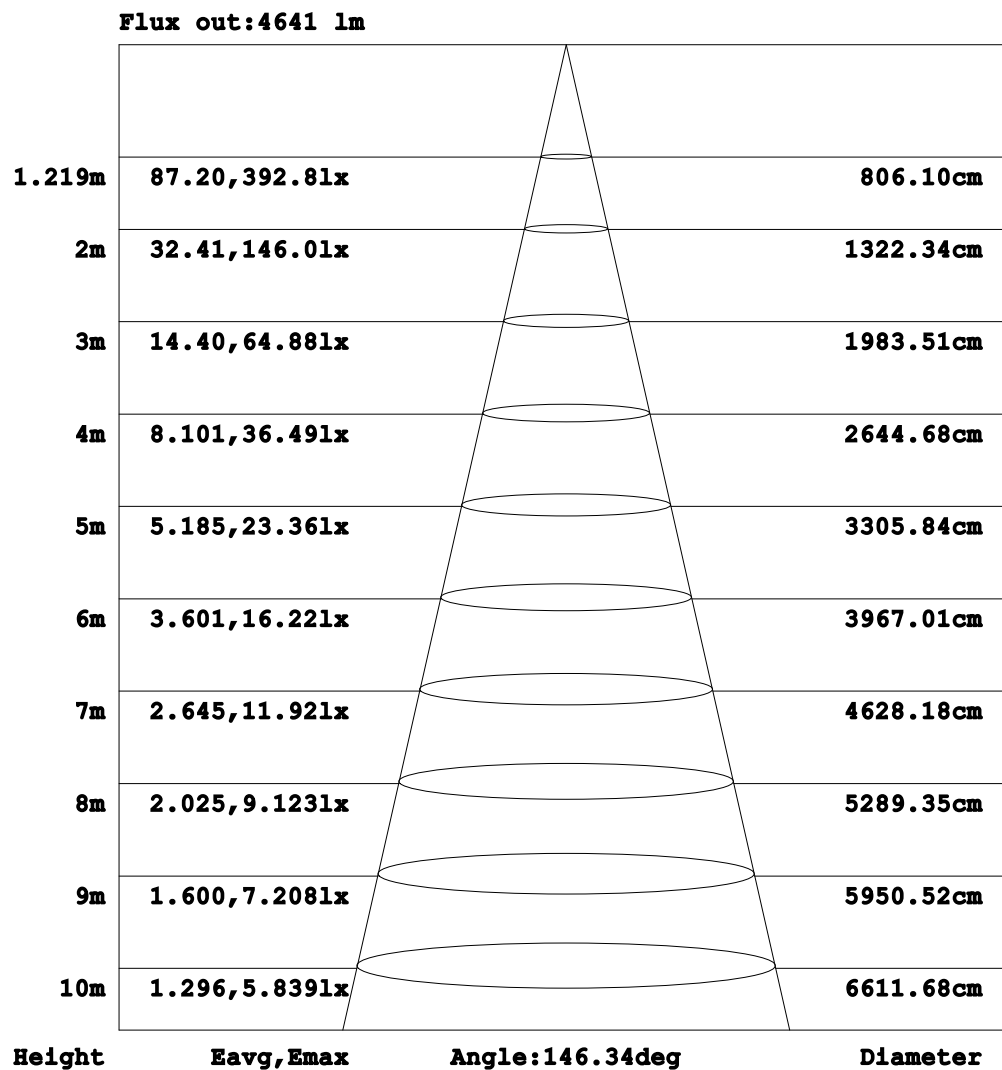


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.9V I:0.1459A P:31.32W PF:0.9719 Freq:49.99Hz Lamp Flux:4947.9x1 lm		
NAME: LUX-AL-30-TypeV-VSM-C14680	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:VSM



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:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1459A P:31.32W PF:0.9719 Freq:49.99Hz Lamp Flux:4947.9x1 lm		
NAME: LUX-AL-30-TypeV-VSM-C14680	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:VSM

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	23.6	24.8	25.7	26.4	26.4	26.3	26.4	26.7	26.9	27.0	27.0	27.0	27.0	26.9	26.8	26.9	27.0	27.3	27.7
-85	23.4	24.5	25.4	26.3	26.7	27.8	30.3	33.6	35.6	37.8	41.6	44.6	44.8	44.5	44.4	43.4	41.9	42.5	43.2
-80	23.1	23.7	24.4	25.8	26.8	28.5	33.0	40.6	46.5	52.4	57.1	70.4	71.1	71.5	70.7	69.6	64.9	64.9	66.1
-75	23.1	23.6	24.8	27.6	34.0	43.7	57.9	80.2	166	261	331	370	367	348	321	297	277	268	263
-70	23.1	24.1	26.3	35.1	53.1	76.6	109	195	445	646	783	827	795	737	670	619	585	563	561
-65	22.9	24.3	29.0	44.2	73.2	118	275	483	761	953	1062	1086	1039	969	894	833	795	767	767
-60	22.7	23.5	27.6	46.2	80.9	140	362	771	1115	1361	1462	1484	1440	1354	1264	1182	1125	1084	1072
-55	22.1	23.4	30.4	55.3	104	236	537	925	1232	1430	1502	1501	1445	1361	1274	1197	1141	1103	1094
-50	21.4	25.2	45.9	87.8	187	544	950	1276	1471	1552	1554	1500	1418	1341	1258	1196	1148	1125	1137
-45	21.1	26.1	51.5	101	265	646	1018	1292	1446	1496	1473	1409	1329	1252	1175	1117	1075	1058	1072
-40	20.1	23.4	42.9	88.8	229	636	1002	1253	1380	1420	1380	1304	1226	1150	1075	1018	975	957	963
-35	20.0	23.7	47.1	97.1	297	703	1039	1243	1333	1341	1285	1205	1123	1044	973	920	882	865	869
-30	20.6	30.6	73.9	184	575	934	1165	1251	1255	1193	1109	1021	934	857	799	759	735	725	734
-25	20.6	31.1	77.0	207	615	954	1156	1218	1200	1129	1043	953	866	794	742	708	687	678	684
-20	20.0	24.0	59.0	133	501	876	1100	1168	1145	1068	979	888	798	724	673	640	620	609	608
-15	19.4	23.4	60.3	148	530	888	1089	1142	1108	1028	939	850	765	696	650	622	605	597	597
-10	18.8	32.0	86.7	305	731	992	1098	1090	1018	932	844	761	688	635	605	589	582	579	582
-5	17.7	30.8	85.7	310	737	993	1089	1074	1001	915	829	746	676	626	599	584	579	577	580
0	16.3	19.4	60.0	176	594	920	1069	1084	1024	942	856	770	695	640	607	589	582	580	582
5	15.4	18.1	58.1	170	585	916	1073	1091	1034	952	865	777	700	644	609	591	583	581	584
10	13.7	25.8	79.1	304	735	1003	1112	1103	1035	950	859	769	696	643	612	595	588	587	592
15	12.9	24.0	75.2	279	714	1004	1133	1137	1079	994	903	811	732	673	637	616	605	602	606
20	12.1	13.7	48.0	126	510	891	1125	1190	1168	1096	1007	911	818	743	690	656	635	624	624
25	11.8	13.1	45.2	116	470	867	1126	1217	1217	1160	1077	985	893	815	755	715	690	677	677
30	10.8	18.5	60.8	181	590	966	1196	1280	1284	1229	1149	1061	972	893	830	789	763	753	760
35	10.7	17.2	55.6	155	515	913	1180	1309	1348	1313	1243	1160	1076	998	933	887	857	847	857
40	11.1	11.7	31.1	76.3	240	665	1041	1289	1416	1448	1410	1340	1264	1187	1113	1054	1010	988	994
45	11.1	11.6	27.8	69.2	197	564	962	1256	1430	1497	1481	1422	1345	1268	1192	1129	1080	1054	1058
50	10.7	13.3	35.0	80.4	213	587	998	1321	1516	1586	1577	1516	1434	1359	1279	1219	1167	1148	1164
55	10.7	12.7	29.6	67.8	167	430	828	1179	1418	1526	1544	1502	1422	1342	1261	1198	1149	1124	1136
60	11.0	11.0	15.5	36.0	75.3	138	399	817	1165	1387	1484	1494	1439	1352	1265	1191	1137	1097	1088
65	11.1	11.0	14.1	29.3	60.1	108	280	559	870	1102	1230	1267	1226	1151	1071	1005	954	920	909
70	11.0	11.2	13.7	25.3	46.9	76.7	120	260	539	753	892	926	885	823	755	702	667	644	644
75	11.2	11.3	12.9	20.3	34.0	54.0	83.0	171	341	471	562	585	560	523	483	448	425	412	412
80	11.5	11.4	11.6	12.3	13.7	17.4	24.9	34.5	39.0	47.1	57.4	73.8	73.4	72.8	72.7	71.0	63.0	63.3	64.4
85	11.9	11.8	12.0	12.4	13.3	15.6	20.1	25.9	28.6	33.4	39.6	49.4	49.0	48.6	48.4	47.4	42.6	42.7	43.4
90	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.0	12.9	12.8	12.7	12.6	12.4	12.2	12.1	12.0	11.9	11.9	11.9

H(θ) Range:-90 - 90DEG

H(θ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-10-26

V(B) Range:-90 - 90DEG

V(B) Interval: 2.0DEG

Test System:EVERFINE GO-2000 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:7.370m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1459A P:31.32W PF:0.9719 Freq:49.99Hz Lamp Flux:4947.9x1 lm		
NAME: LUX-AL-30-TypeV-VSM-C14680	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:VSM

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	28.1	28.5	29.0	29.4	29.8	30.1	30.2	30.3	30.0	29.3	28.7	28.4	28.2	28.2	28.2	27.7	26.9	25.7	
-85	43.7	44.4	46.9	48.2	48.8	49.1	48.0	43.3	39.8	37.0	34.9	32.1	30.2	29.3	28.8	28.1	27.2	26.0	
-80	66.8	67.5	71.7	75.3	77.1	77.6	76.6	70.2	56.8	51.1	46.3	40.1	34.8	31.5	30.1	29.0	28.0	26.8	
-75	267	279	297	319	344	364	369	338	270	186	96.5	66.2	50.0	40.8	34.2	30.3	28.6	27.2	
-70	580	609	655	707	767	805	793	689	517	295	135	90.4	64.6	48.4	36.3	30.8	28.7	27.5	
-65	793	836	892	959	1033	1086	1087	1000	841	606	369	188	94.9	62.1	42.8	32.7	29.1	27.5	
-60	1094	1151	1215	1299	1395	1480	1531	1499	1394	1189	869	483	184	102	62.4	40.9	31.2	28.1	
-55	1121	1181	1255	1343	1441	1525	1581	1570	1488	1310	1017	649	308	133	72.2	45.5	31.9	28.0	
-50	1184	1259	1353	1450	1545	1619	1672	1666	1586	1401	1112	742	340	134	70.1	42.4	30.2	27.0	
-45	1117	1191	1288	1391	1493	1575	1631	1638	1580	1427	1177	840	448	176	77.3	46.0	30.4	26.7	
-40	996	1057	1148	1257	1372	1475	1551	1592	1586	1519	1361	1111	776	365	130	65.1	35.9	27.3	
-35	896	949	1029	1134	1260	1382	1473	1526	1536	1487	1356	1141	829	428	148	68.5	36.7	27.1	
-30	760	807	884	1002	1154	1292	1389	1446	1461	1411	1295	1090	766	355	116	57.9	30.9	25.8	
-25	704	742	804	903	1043	1192	1310	1383	1413	1384	1290	1108	804	403	128	59.9	30.7	25.5	
-20	615	633	665	721	819	972	1138	1256	1325	1351	1313	1208	988	647	248	80.4	39.4	26.0	
-15	602	617	643	692	778	916	1081	1207	1284	1317	1291	1197	990	660	256	80.3	38.5	25.0	
-10	587	600	623	670	756	894	1057	1175	1246	1270	1237	1119	882	514	160	61.4	27.5	23.1	
-5	585	596	616	658	737	865	1026	1149	1224	1251	1226	1120	893	529	166	60.9	26.4	22.0	
0	586	594	607	637	697	801	953	1096	1189	1236	1234	1172	1002	696	281	77.3	34.1	20.6	
5	587	595	610	641	702	808	963	1106	1197	1242	1239	1175	1005	698	280	76.0	33.0	19.5	
10	598	611	636	684	770	909	1075	1191	1255	1274	1238	1123	884	508	153	54.3	21.2	18.1	
15	614	631	662	720	820	973	1133	1239	1295	1304	1256	1126	872	490	146	52.8	20.5	17.4	
20	632	651	684	740	839	996	1166	1281	1343	1359	1317	1206	982	637	234	67.7	28.0	16.3	
25	688	713	758	833	952	1107	1254	1350	1398	1395	1331	1195	948	586	205	64.4	26.7	16.2	
30	782	827	906	1029	1187	1326	1419	1469	1475	1418	1294	1081	755	343	102	44.4	18.3	16.3	
35	888	945	1034	1156	1295	1413	1489	1526	1516	1437	1284	1040	693	297	91.0	41.8	18.1	16.5	
40	1026	1088	1181	1298	1415	1512	1578	1610	1597	1522	1358	1105	770	356	117	51.0	22.5	16.3	
45	1091	1156	1248	1356	1466	1556	1617	1638	1606	1506	1306	1016	654	282	100	46.2	21.3	16.3	
50	1214	1292	1386	1485	1576	1647	1685	1663	1579	1393	1097	727	328	122	56.8	28.7	17.2	16.5	
55	1182	1255	1342	1438	1530	1601	1627	1587	1478	1259	939	565	250	102	49.9	25.9	16.7	16.2	
60	1113	1174	1241	1329	1424	1506	1549	1509	1396	1182	852	468	177	92.7	49.8	27.2	17.0	15.4	
65	930	982	1043	1120	1206	1274	1301	1242	1104	884	588	326	134	74.1	41.1	23.5	16.2	15.0	
70	671	712	775	835	902	933	907	778	582	332	149	92.6	59.6	38.0	22.9	16.2	14.6	14.5	
75	429	454	495	532	572	591	575	490	367	215	103	65.9	43.7	29.2	19.4	15.0	14.0	14.0	
80	64.3	64.9	72.9	78.4	78.1	79.4	78.6	68.2	48.4	42.7	37.3	28.8	22.1	17.3	14.7	13.6	13.1	13.1	
85	43.4	43.7	48.6	51.9	51.8	52.6	52.1	45.9	34.0	30.5	27.3	22.1	18.1	15.1	13.6	12.9	12.6	12.7	
90	11.9	12.0	12.1	12.2	12.3	12.4	12.4	12.4	12.3	12.3	12.2	12.1	12.0	11.9	11.8	11.9	12.0	12.1	

H(θ) Range:-90 - 90DEG
H(θ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks: